

命令手册

覆盖 ait-native 1.0.0 每一条公开 CLI 命令：与版本绑定的完整语法、选项、行为和嵌套的 help surface。

版本	文档
1.0.0 / 1.0.0	修订 3
内容	CLI 参考
33 个参考章节	28 个顶层命令 159 个非根 help surface

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CLI • 完整 1.0.0 参考

完整 1.0.0 CLI 参考

浏览每一个公开的 1.0.0 ait 命令与命令组，包含确切的输出语法、选项、默认值、冲突关系和作用边界。

适用人群 开发者、coding agent 与运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/>

覆盖范围

这是被准入的原生 ait 1.0.0 二进制给出的完整公开命令参考。它覆盖 native ait 1.0.0 binary。它覆盖 28 个顶层命令和 159 个非根的命令或命令组 help surface。根命令 ait --help 的输出单独放在下面。

Clap 自动生成的 help 别名只是导航辅助，不算成独立的产品操作。隐藏的 和内部的解析器 surface 同样不在这份公开参考里。

怎么读这些语法

- <VALUE> 是调用方必须提供的值，尖括号本身不要照着输入。
- [OPTIONS]、[COMMAND] 以及其他方括号分组都是可选的。
- 用法行里出现的选择关系是解析器强制的。拼命令时要保持原有的分组。
- 默认值、可选值、冲突和必填要求，都出现在 1.0.0 二进制给出它们的位置。

顶层命令索引

- [ait init](#) - Create or reinitialize local AIT repository authority and refresh the effective repository instructions.
- [ait plan](#) - Record Markdown Plan lineage, inspect revisions, and synchronize exact authored Markdown in the selected scope.
- [ait task](#) - Start Plan-bound work, inspect and audit Task state, land admitted work, or abandon an unfinished Task.
- [ait blame](#) - Attribute a path or line range to recorded Snapshot and Plan lineage, with an explicit bounded restore option.
- [ait doctor](#) - Run focused diagnostics for the configured memory root, runtime root, or Plan authority.
- [ait queue](#) - Read active work, review, remote, and worktree inventory in summary form.
- [ait remote](#) - Register and list remote authorities or reconstruct a local Line head from an exact remote Repository authority.
- [ait release](#) - Create and inspect release dossiers, build and package native artifacts, publish them, and promote admitted releases.
- [ait repo](#) - Inspect or administer a registered remote Repository and its CI jobs, capabilities, and runs.
- [ait config](#) - Inspect effective repository configuration or set an explicit supported configuration value.
- [ait external](#) - Inspect, materialize, pin, link, unlink, and diagnose external repository dependencies.
- [ait status](#) - Inspect the current Line, repository, workspace, remote, and worktree state.
- [ait diff](#) - Compare the current workspace with recorded state using optional bounded path and output filters.
- [ait pull](#) - Import a remote Line's Snapshot history, classify head relationships, and optionally materialize the selected result.
- [ait push](#) - Upload recorded Snapshot history and advance an exact remote Line.
- [ait gc](#) - Inspect, validate, and prune eligible native storage packs.
- [ait stash](#) - Record, inspect, apply, and remove local work-in-progress stash entries.

- [ait change](#) - Create, inspect, update, cancel, and otherwise manage the Change lifecycle within a Task.
- [ait snapshot](#) - Create and inspect immutable repository state, traverse its parent history, and replay or restore recorded content.
- [ait tag](#) - Create, inspect, list, and remove local AIT Tag references to recorded state.
- [ait patchset](#) - Publish and inspect Change candidates, select the current candidate, and manage its CI request state.
- [ait review](#) - Request, inspect, and record review decisions for a selected Patchset.
- [ait attest](#) - Create and inspect typed evidence attached to a selected Patchset.
- [ait policy](#) - Evaluate, inspect, and explicitly waive supported policy checks for a selected Patchset.
- [ait worktree](#) - Inspect, diagnose, recover, relocate, and clean AIT-owned Task worktrees and their metadata.
- [ait workflow](#) - Classify bounded edits, reconcile workflow state, prepare remote readiness, and drive configured closeout decisions.
- [ait line](#) - Inspect and manage Lines, switch or restore workspace state, merge recorded history, and clean eligible Line records.
- [ait git](#) - Import, export, and mirror history between Git and AIT's native repository model.

根 help

下面这段是所抓取的 1.0.0 二进制里 `ait --help` 的完整输出，未作删减。

```
AIT native local repository and workflow tool.

Usage: ait <COMMAND>

Commands:
  init      Create or reinitialize a local AIT repository.
  line
  git
  blame     Attribute selected lines without modifying workspace files.
  doctor    Inspect effective AIT configuration and host readiness without repairing it.
  queue
  remote    Manage server endpoints and recover the canonical remote main head.
  release
  repo      Inspect and manage the configured remote Repository authority.
  config    Inspect effective configuration and mutate only admitted user-owned overrides.
  external  Manage reproducible external Repository dependencies.
  status    Inspect the current repository, Line, Snapshot, workspace, and actionable local
            status.
  diff      Compare the current workspace with the current Line head.
  pull      Import one remote Line and safely update its local head.
  push
  gc        Inspect and safely maintain local content storage.
  stash     Park and restore temporary local-only workspace Snapshots.
  plan      Inspect and reconcile local or remote Plan authority.
  task      Start, inspect, audit, land, or abandon scoped Task lifecycle authority.
  change
  snapshot  Create and inspect immutable local Snapshots and restore selected workspace content.
  tag       Create, inspect, and delete local Snapshot Tags.
  patchset  Publish and inspect remote Change revisions and their CI state.
  review    Inspect remote Review state and record team, human Task, or AI code-review evidence.
  attest
  policy
  worktree  Inspect, restore, recover, synchronize, rebase, and remove isolated worktrees.
  workflow
  help      Print this message or the help of the given subcommand(s)

Options:
  -h, --help    Print help
  -V, --version  Print version
```

说明

AIT 原生本地仓库与工作流工具。

参数 / 选项	说明
init	创建或重新初始化一个本地 AIT 仓库。
blame	标注所选行的归属，不修改工作区文件。
doctor	查看生效的 AIT 配置和主机就绪状态，不做修复。
remote	管理服务器端点并恢复规范的远程 main head。
repo	查看并管理已配置的远程 Repository 权威。
config	查看生效配置，仅改动已接纳的用户所有覆盖项。

参数 / 选项	说明
external	管理可复现的外部 Repository 依赖。
status	查看当前仓库、Line、Snapshot、工作区以及可操作的本地状态。
diff	将当前工作区与当前 Line head 比较。
pull	导入一个远程 Line 并安全更新其本地 head。
gc	查看并安全维护本地内容存储。
stash	暂存并恢复临时的仅本地工作区 Snapshot。

参数 / 选项	说明
plan	查看并调和本地或远程 Plan 权威。
task	启动、查看、审计、落地或放弃带范围的 Task 生命周期权威。
snapshot	创建并查看不可变的本地 Snapshot，并恢复选定的工作区内容。
tag	创建、查看和删除本地 Snapshot Tag。
patchset	发布并查看远程 Change 修订版及其 CI 状态。
review	查看远程 Review 状态，并记录团队、人工 Task 或 AI 代码评审证据。

参数 / 选项	说明
worktree	查看、恢复、找回、同步、rebase 和删除隔离的 worktree。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助
-V, --version	打印版本

抓取来源

- 产品版本：1.0.0
- 抓取所用二进制的 SHA-256：7c1c10d9a7df3c8b0efd718f634c00ad958ce4e629f93a581b41c955c3895029
- 完整 help 抓取的 SHA-256：69d151aedee72e824412034699b51b2721ded4b226a35d6da7575292ef88f4e7
- CLI 解析器 SHA-256：5b56bf0adaf3382f0b499f5b4b4eed0f70c2a6ccabab1d89d4e97c9e785dc138
- CLI 解析器源码：[不可变的 1.0.0 源码](#)

生成的收据记录了每条命令路径、给出的描述、用法、子命令列表、help 摘要 和确切的 help 文本。网站和 PDF 构建都会拿这份收据来校验这些页面。

[CLI](#) • [完整 1.0.0 参考](#)

ait init - 完整参考

创建或重新初始化本地 AIT 仓库权威，并刷新生效的仓库指令。

适用人群 用户与仓库所有者

<https://ait-native.dev/technical/v1.0.0/cli/reference/init/>

作用边界

用途：创建或重新初始化本地 AIT 仓库权威，并刷新生效的仓库指令。

影响类别：改动本地仓库；修复行为是明确的，并受给出的选项限定。

覆盖：ait init 下共 1 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

ait init

原样输出的 help

ait init

二进制描述：Create or reinitialize a local AIT repository.

```
Create or reinitialize a local AIT repository.

Usage: ait init [OPTIONS]

Options:
  --policy-profile <POLICY_PROFILE>
    Initial policy profile: prototype, team, or release. [default: prototype]
  --repair-existing
    Complete missing structure in an existing .ait directory; malformed authority is never
    overwritten.
  --json
    Emit the stable JSON result.
  -h, --help
    Print help
```

说明

创建或重新初始化一个本地 AIT 仓库。

CLI • 完整 1.0.0 参考

ait plan - 完整参考

记录 Markdown Plan 沿革，查看修订版本，并在选定范围内同步确切的原始 Markdown。

适用人群 coding agent 与维护者

<https://ait-native.dev/technical/v1.0.0/cli/reference/plan/>

作用边界

用途：记录 Markdown Plan 沿革，查看修订版本，并在选定范围内同步确切的原始 Markdown。

影响类别：读取与 Plan 写入混合的入口；sync 的范围在给定的选项里是明确的。

覆盖：ait plan 下共 8 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait plan
ait plan list
ait plan show
ait plan revisions
ait plan items
ait plan candidates
ait plan inspect
ait plan sync
```

原样输出的 help

ait plan

二进制描述：Inspect, select, and reconcile Plan revision lineage. With no scope flag, solo_local uses local authority and solo_remote uses the configured default remote. --local and --remote are explicit cross-mode compatibility overrides. Remote sync always reconciles local Plan lineage before publishing; no Plan command creates a Snapshot or advances a Line.

```
Inspect, select, and reconcile Plan revision lineage. With no scope flag, solo_local uses local
authority and solo_remote uses the configured default remote. --local and --remote are
explicit cross-mode compatibility overrides. Remote sync always reconciles local Plan lineage
before publishing; no Plan command creates a Snapshot or advances a Line.
```

```
Usage: ait plan <COMMAND>
```

Commands:

```
list      List Plans in the effective local or remote scope.
show      Show one Plan and its selected revision.
revisions List revision history for one Plan.
items     List checklist items from one Plan revision.
candidates Find active Plans that can supply Task candidates.
inspect   Inspect Task-readiness details for one Plan revision.
sync      Reconcile file-backed Markdown into Plan revision lineage using workflow-mode
scope defaults. solo_local writes local Plan state; solo_remote reconciles local Plan
lineage and publishes the touched heads to the configured default remote. --local or
--remote overrides the configured scope. Plan sync never creates a Snapshot or advances a
Line.
help      Print this message or the help of the given subcommand(s)
```

Options:

```
-h, --help
        Print help (see a summary with '-h')
```

说明

查看、选择并调和 Plan 修订沿革。未给范围标志时，solo_local 使用本地权威，solo_remote 使用配置的默认远程。--local 和 --remote 是显式的跨模式兼容覆盖。远程同步总是先调和本地 Plan 沿革再发布；任何 Plan 命令都不会创建 Snapshot

或推进 Line。

参数 / 选项	说明
list	列出生效的本地或远程范围内的 Plan。
show	显示一个 Plan 及其选定修订版。
revisions	列出一个 Plan 的修订历史。
items	列出一个 Plan 修订版中的清单条目。
candidates	查找能提供 Task 候选的活动 Plan。
inspect	查看一个 Plan 修订版的 Task 就绪详情。

参数 / 选项	说明
sync	按 workflow 模式的范围默认值，将文件承载的 Markdown 调进 Plan 修订沿革。solo_local 写入本地 Plan 状态；solo_remote 先调和本地 Plan 沿革，再把被触及的 head 发布到配置的默认远程。--local 或 --remote 覆盖配置的范围。Plan 同步绝不会创建 Snapshot 或推进 Line。
help	打印本消息或给定子命令的帮助

ait plan list

二进制描述： List Plans from the scope selected by --local, --remote, or the workflow-mode default. Human output is bounded to active Plans unless --all is supplied; JSON always returns the complete command payload and therefore rejects --all. This command is read-only.

```
List Plans from the scope selected by --local, --remote, or the workflow-mode default. Human
output is bounded to active Plans unless --all is supplied; JSON always returns the complete
command payload and therefore rejects --all. This command is read-only.
```

```
Usage: ait plan list [OPTIONS]
```

```
Options:
```

```
--local
```

```
    Use local Plan authority, overriding a remote workflow default
```

```
--remote <NAME>
```

```
    Use the named remote Plan authority, overriding a local workflow default
```

```
--json
```

```
    Emit the complete stable machine-readable payload
```

```
--all
```

```
    Expand human output to include archived Plans; unavailable with --json
```

```
-h, --help
```

```
    Print help (see a summary with '-h')
```

说明

列出由 --local、--remote 或 workflow 模式默认值选定范围内的 Plan。人类可读输出有界于活动 Plan，除非提供 --all；JSON 始终返回完整命令载荷，因此拒绝 --all。此命令为只读。

ait plan show

二进制描述： Show one Plan from the effective local or remote scope. Without --revision, show the current head revision. Local canonical selectors include PR-<ordinal>, artifact:<path>, title:<title>, and published-plan:<index>; remote selectors are the identifiers returned by remote plan list. This command is read-only.

```
Show one Plan from the effective local or remote scope. Without --revision, show the current
head revision. Local canonical selectors include PR-<ordinal>, artifact:<path>, title:<title>,
and published-plan:<index>; remote selectors are the identifiers returned by remote plan list.
This command is read-only.
```

```
Usage: ait plan show [OPTIONS] <PLAN>
```

```
Arguments:
```

```
<PLAN>
```

```
Plan selector; local canonical forms are PR-<ordinal>, artifact:<path>, title:<title>,
or published-plan:<index>
```

```
Options:
```

```
--revision <REVISION>
```

```
Select a non-head revision; local canonical forms are plan-revision:<index>,
revision-number:<number>, or published-revision:<index>
```

```
--local
```

```
Use local Plan authority, overriding a remote workflow default
```

```
--remote <NAME>
```

```
Use the named remote Plan authority, overriding a local workflow default
```

```
--json
```

```
Emit the complete stable machine-readable payload
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

从生效的本地或远程范围显示一个 Plan。未给 --revision 时显示当前 head 修订版。本地规范选择器包括 PR-<ordinal>、artifact:<path>、title:<title> 和 published-plan:<index>; 远程选择器是 remote plan list 返回的标识符。此命令为只读。

ait plan revisions

二进制描述: List one Plan's revisions newest first from the effective local or remote scope. Human output is bounded unless --all is supplied; JSON already returns the complete command payload and therefore rejects --all. This command is read-only.

```
List one Plan's revisions newest first from the effective local or remote scope. Human output is
bounded unless --all is supplied; JSON already returns the complete command payload and
therefore rejects --all. This command is read-only.
```

```
Usage: ait plan revisions [OPTIONS] <PLAN>
```

```
Arguments:
```

```
<PLAN>
```

```
Plan selector; local canonical forms are PR-<ordinal>, artifact:<path>, title:<title>,
or published-plan:<index>
```

```
Options:
```

```
--local
```

```
Use local Plan authority, overriding a remote workflow default
```

```
--remote <NAME>
```

```
Use the named remote Plan authority, overriding a local workflow default
```

```
--json
```

```
Emit the complete stable machine-readable payload
```

```
--all
```

```
Expand human output to the complete revision history; unavailable with --json
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

从生效的本地或远程范围按最新在前列出一个 Plan 的修订版。人类可读输出有界，除非提供 --all; JSON 本就返回完整命令载荷，因此拒绝 --all。此命令为只读。

ait plan items

二进制描述: List parsed checklist items from one Plan in the effective local or remote scope. Without --revision, inspect the current head. This command is read-only and does not change item or Task state.

```
List parsed checklist items from one Plan in the effective local or remote scope. Without
--revision, inspect the current head. This command is read-only and does not change item or
Task state.

Usage: ait plan items [OPTIONS] <PLAN>

Arguments:
  <PLAN>
    Plan selector; local canonical forms are PR-<ordinal>, artifact:<path>, title:<title>,
    or published-plan:<index>

Options:
  --revision <REVISION>
    Select a non-head revision; local canonical forms are plan-revision:<index>,
    revision-number:<number>, or published-revision:<index>

  --local
    Use local Plan authority, overriding a remote workflow default

  --remote <NAME>
    Use the named remote Plan authority, overriding a local workflow default

  --json
    Emit the complete stable machine-readable payload

-h, --help
    Print help (see a summary with '-h')
```

说明

在生效的本地或远程范围内列出一个 Plan 解析出的清单条目。未给 --revision 时查看当前 head。此命令为只读，不改变条目或 Task 状态。

ait plan candidates

二进制描述: Find active Plans in the effective local or remote scope, ordered for Task selection. By default only Plans with at least one taskable item are returned; --all also includes active Plans with zero taskable items. --contains applies case-insensitive OR matching across Plan titles, artifact paths and selectors, headings, and item text or refs. This command is read-only.

```
Find active Plans in the effective local or remote scope, ordered for Task selection. By default
only Plans with at least one taskable item are returned; --all also includes active Plans with
zero taskable items. --contains applies case-insensitive OR matching across Plan titles,
artifact paths and selectors, headings, and item text or refs. This command is read-only.

Usage: ait plan candidates [OPTIONS]

Options:
  --local
    Use local Plan authority, overriding a remote workflow default

  --remote <NAME>
    Use the named remote Plan authority, overriding a local workflow default

  --all
    Also include active Plans with zero taskable items; archived Plans remain excluded

  --contains <TERMS>
    Case-insensitive comma-delimited OR search across titles, paths, selectors, headings,
    item text, and item refs

  --json
    Emit the complete stable machine-readable payload

-h, --help
    Print help (see a summary with '-h')
```

说明

在生效的本地或远程范围内查找活动的 Plan，并按 Task 选择排序。默认只返回至少含一个可开成 Task 条目的 Plan；--all 也会包含没有可开 Task 条目的活动 Plan。--contains 对 Plan 标题、工件路径与选择器、章节标题以及条目文本或 ref 做不区分大小写的 OR 匹配。此命令为只读。

ait plan inspect

二进制描述：Inspect summary counts and per-item Task-readiness blockers for one Plan in the effective local or remote scope. Without --revision, inspect the current head. This command is read-only.

```
Inspect summary counts and per-item Task-readiness blockers for one Plan in the effective local
or remote scope. Without --revision, inspect the current head. This command is read-only.

Usage: ait plan inspect [OPTIONS] <PLAN>

Arguments:
  <PLAN>
    Plan selector; local canonical forms are PR-<ordinal>, artifact:<path>, title:<title>,
    or published-plan:<index>

Options:
  --revision <REVISION>
    Select a non-head revision; local canonical forms are plan-revision:<index>,
    revision-number:<number>, or published-revision:<index>

  --local
    Use local Plan authority, overriding a remote workflow default

  --remote <NAME>
    Use the named remote Plan authority, overriding a local workflow default

  --json
    Emit the complete stable machine-readable payload

  -h, --help
    Print help (see a summary with '-h')
```

说明

在生效的本地或远程范围内查看一个 Plan 的汇总计数和逐条目 Task 就绪阻塞项。未给 --revision 时查看当前 head。此命令为只读。

ait plan sync

二进制描述：Reconcile file-backed Markdown into Plan revision lineage using workflow-mode scope defaults. solo_local writes local Plan state; solo_remote reconciles local Plan lineage and publishes the touched heads to the configured default remote. --local or --remote overrides the configured scope. Plan sync never creates a Snapshot or advances a Line.

```
Reconcile file-backed Markdown into Plan revision lineage using workflow-mode scope defaults.
solo_local writes local Plan state; solo_remote reconciles local Plan lineage and publishes
the touched heads to the configured default remote. --local or --remote overrides the
configured scope. Plan sync never creates a Snapshot or advances a Line.

Usage: ait plan sync [OPTIONS] <TARGET>

Arguments:
  <TARGET>
    Repository-relative Markdown file or directory to reconcile into local Plan revision
    lineage

Options:
  --plan-ref <PLAN_REF>
    Select one exact [plan-ref: ...] root when one Markdown target contains multiple Plan
    roots

  --prune
    Archive tracked Plan artifacts missing from the complete selected target inventory

  --local
    Reconcile local Plan lineage only, overriding a remote workflow default; never create
    a Snapshot or advance a Line

  --remote <NAME>
    Reconcile local Plan lineage, then publish the touched heads to the named remote,
    overriding a local workflow default

  --rebase
    In effective remote scope, replay the current local Plan head after a divergent
    remote-head rejection

  --reconcile
    Safely adopt verified divergent or mixed Plan identity before effective local
    reconciliation or remote publication

  --json
    Emit the complete stable machine-readable result; failed and partial-success results
    still exit nonzero

-h, --help
    Print help (see a summary with '-h')
```

说明

按 workflow 模式的范围默认值，将文件承载的 Markdown 调和进 Plan 修订沿革。solo_local 写入本地 Plan 状态；solo_remote 先调和本地 Plan 沿革，再把被触及的 head 发布到配置的默认远程。--local 或 --remote 覆盖配置的范围。Plan 同步绝不会创建 Snapshot 或推进 Line。

CLI • 完整 1.0.0 参考

ait task - 完整参考

启动绑定 Plan 的工作，查看并审计 Task 状态，落地已接纳的工作，或放弃未完成的 Task。

适用人群 coding agent 与维护者

<https://ait-native.dev/technical/v1.0.0/cli/reference/task/>

作用边界

用途：启动绑定 Plan 的工作，查看并审计 Task 状态，落地已接纳的工作，或放弃未完成的 Task。

影响类别：改动 Task 生命周期和绑定的工作区；land 只有在接纳之后才推进配置好的目标，而 abandon 执行它确切的帮助文本所描述的、对未完成工作的有界收尾。

覆盖：ait task 下共 7 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait task
ait task start
ait task list
ait task show
ait task audit
ait task land
ait task abandon
```

原样输出的 help

ait task

二进制描述：Start, inspect, audit, land, or abandon scoped Task lifecycle authority.

```
Start, inspect, audit, land, or abandon scoped Task lifecycle authority.

Usage: ait task <COMMAND>

Commands:
  start  Start one Task and its initial Change in the configured scope or an explicit
         local/remote compatibility scope; sprint mode uses one exact file-backed Plan item
  list   List the bounded open Task inventory or complete history in one selected scope
  show   Show one Task record from one selected scope
  audit  Read-only audit of one Task against logical main in one selected scope
  land   Land one Task or Change onto logical main with fixed direct mode. The configured
         workflow mode selects local or remote authority unless mutually exclusive --local or
         --remote explicitly chooses the compatibility scope. Local land consumes an existing
         Snapshot; remote land consumes an already-ready selected Patchset. Final Task closeout
         removes the bound worktree and archives its accepted-head feature Line.
  abandon Permanently abandon one Task lineage in the configured scope or an explicit
         local/remote compatibility scope
  help   Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

启动、查看、审计、落地或放弃带范围的 Task 生命周期权威。

参数 / 选项	说明
start	在配置范围或显式的本地/远程兼容范围内启动一个 Task 及其初始 Change; sprint 模式使用一个确切的文件承载 Plan 条目
list	在一个选定范围内列出有界的开放 Task 清单或完整历史
show	从一个选定范围显示一个 Task 记录
audit	在一个选定范围内对照逻辑 main 对一个 Task 做只读审计
land	以固定的 direct 模式将一个 Task 或 Change 落地到逻辑 main。由配置的工作流模式选择本地或远程权威, 除非互斥的 --local 或 --remote 显式选择兼容范围。本地落地消费一个已有 Snapshot; 远程落地消费一个已就绪的选定 Patchset。最终 Task 收尾会移除绑定的 worktree, 并归档其已接纳 head 的功能 Line。
abandon	在配置范围或显式的本地/远程兼容范围内永久放弃一个 Task 沿革

参数 / 选项	说明
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait task start

二进制描述: Start one Task and its initial Change in the configured scope or an explicit local/remote compatibility scope; sprint mode uses one exact file-backed Plan item

```
Start one Task and its initial Change in the configured scope or an explicit local/remote
compatibility scope; sprint mode uses one exact file-backed Plan item

Usage: ait task start --intent <INTENT> (--from <MARKDOWN_PATH#ITEM_REF> | --title <TITLE>)
[--local | --remote <REMOTE>] [--json]

Options:
  --title <TITLE>          Unbound Task title; required and available only when
                           sprint mode is off
  --intent <INTENT>        Required Task intent in both manual and --from modes
  --from <MARKDOWN_PATH#ITEM_REF> Sprint-only exact file-backed Plan source; syncs,
                           validates, binds, and derives the Task and initial Change title deterministically
  --local                  Force local authority even when the configured workflow
                           mode defaults to remote
  --remote <REMOTE>        Force the named remote authority even when the configured
                           workflow mode defaults to local
  --json                   Emit the complete machine-readable Task-start result
  -h, --help               Print help
```

说明

在配置范围或显式的本地/远程兼容范围内启动一个 Task 及其初始 Change; sprint 模式使用一个确切的文件承载 Plan 条目

参数 / 选项	说明
--title <TITLE>	未绑定的 Task 标题; 仅在 sprint 模式关闭时必须且可用
--intent <INTENT>	在手动与 --from 两种模式下均必填的 Task 意图
--from <MARKDOWN_PATH#ITEM_REF>	仅限 sprint 模式的确切文件承载 Plan 源; 确定性地同步、校验、绑定并派生 Task 与初始 Change 标题
--local	即使配置的工作流模式默认为远程, 也强制使用本地权威
--remote <REMOTE>	即使配置的工作流模式默认为本地, 也强制使用指定名称的远程权威
--json	输出完整的机器可读 Task 启动结果

参数 / 选项	说明
-h, --help	打印帮助

ait task list

二进制描述: List the bounded open Task inventory or complete history in one selected scope

```
List the bounded open Task inventory or complete history in one selected scope

Usage: ait task list [OPTIONS]

Options:
  --local          Read local Task authority even when the configured workflow mode
                  defaults to remote
  --remote <REMOTE> Read Task authority from the named remote even when the configured
                  workflow mode defaults to local
  --all           Show complete Task history instead of the bounded open view
  --json          Emit the selected Task inventory as machine-readable JSON
  -h, --help      Print help
```

说明

在一个选定范围内列出有界的开放 Task 清单或完整历史

参数 / 选项	说明
--local	即使配置的工作流模式默认为远程，也读取本地 Task 权威
--remote <REMOTE>	即使配置的工作流模式默认为本地，也从指定名称的远程读取 Task 权威
--all	显示完整的 Task 历史，而不是有界的开放视图
--json	以机器可读 JSON 输出所选 Task 清单
-h, --help	打印帮助

ait task show

二进制描述: Show one Task record from one selected scope

```
Show one Task record from one selected scope

Usage: ait task show [OPTIONS] <TASK_ID>

Arguments:
  <TASK_ID>

Options:
  --local          Read local Task authority even when the configured workflow mode
                  defaults to remote
  --remote <REMOTE> Read Task authority from the named remote even when the configured
                  workflow mode defaults to local
  --json          Emit the complete machine-readable Task record
  -h, --help      Print help
```

说明

从一个选定范围显示一个 Task 记录

参数 / 选项	说明
--local	即使配置的工作流模式默认为远程，也读取本地 Task 权威
--remote <REMOTE>	即使配置的工作流模式默认为本地，也从指定名称的远程读取 Task 权威
--json	输出完整的机器可读 Task 记录
-h, --help	打印帮助

ait task audit

二进制描述: Read-only audit of one Task against logical main in one selected scope


```

Read-only audit of one Task against logical main in one selected scope

Usage: ait task audit [OPTIONS] <TASK_ID>

Arguments:
  <TASK_ID>

Options:
  --local          Audit local Task authority even when the configured workflow mode
                   defaults to remote
  --remote <REMOTE> Audit Task authority on the named remote even when the configured
                   workflow mode defaults to local
  --json           Emit the complete machine-readable audit and recommended action
  -h, --help       Print help

```

说明

在一个选定范围内对照逻辑 main 对一个 Task 做只读审计

参数 / 选项	说明
--local	即使配置的工作流模式默认为远程，也审计本地 Task 权威
--remote <REMOTE>	即使配置的工作流模式默认为本地，也审计指定名称远程上的 Task 权威
--json	输出完整的机器可读审计结果与建议操作
-h, --help	打印帮助

ait task land

二进制描述：Land one Task or Change onto logical main with fixed direct mode. The configured workflow mode selects local or remote authority unless mutually exclusive --local or --remote explicitly chooses the compatibility scope. Local land consumes an existing Snapshot; remote land consumes an already-ready selected Patchset. Final Task closeout removes the bound worktree and archives its accepted-head feature Line.

```

Land one Task or Change onto logical main with fixed direct mode. The configured workflow mode
selects local or remote authority unless mutually exclusive --local or --remote explicitly
chooses the compatibility scope. Local land consumes an existing Snapshot; remote land
consumes an already-ready selected Patchset. Final Task closeout removes the bound worktree
and archives its accepted-head feature Line.

Usage: ait task land [OPTIONS] <TASK_OR_CHANGE_ID>

Arguments:
  <TASK_OR_CHANGE_ID> Task id or change id to land onto logical main with fixed direct mode.
  Scope follows workflow-mode unless --local or --remote is provided.

Options:
  --local          Force local draft land even when the configured workflow mode defaults
                   to remote
  --remote <REMOTE> Force closeout through the named remote's already-ready selected
                   Patchset even when the configured workflow mode defaults to local
  --json           Emit the complete machine-readable land and closeout result
  -h, --help       Print help

```

说明

以固定的 direct 模式将一个 Task 或 Change 落地到逻辑 main。由配置的工作流模式选择本地或远程权威，除非互斥的 --local 或 --remote 显式选择兼容范围。本地落地消费一个已有 Snapshot；远程落地消费一个已就绪的选定 Patchset。最终 Task 收尾会移除绑定的 worktree，并归档其已接纳 head 的功能 Line。

参数 / 选项	说明
<TASK_OR_CHANGE_ID>	要以固定 direct 模式落地到逻辑 main 的 Task id 或 change id。范围遵循 workflow-mode，除非提供 --local 或 --remote。
--local	即使配置的工作流模式默认为远程，也强制执行本地草稿落地
--remote <REMOTE>	即使配置的工作流模式默认为本地，也强制通过指定名称远程上已就绪的选定 Patchset 进行收尾
--json	输出完整的机器可读落地与收尾结果
-h, --help	打印帮助

ait task abandon

二进制描述： Permanently abandon one Task lineage in the configured scope or an explicit local/remote compatibility scope

```
Permanently abandon one Task lineage in the configured scope or an explicit local/remote
compatibility scope

Usage: ait task abandon [OPTIONS] <TASK_ID>

Arguments:
  <TASK_ID>

Options:
  --local          Abandon local Task authority even when the configured workflow mode
                   defaults to remote
  --remote <REMOTE> Abandon Task authority on the named remote even when the configured
                   workflow mode defaults to local
  --json          Emit the complete machine-readable terminal Task record
  -h, --help      Print help
```

说明

在配置范围或显式的本地/远程兼容范围内永久放弃一个 Task 沿革

参数 / 选项	说明
--local	即使配置的工作流模式默认为远程，也放弃本地 Task 权威
--remote <REMOTE>	即使配置的工作流模式默认为本地，也放弃指定名称远程上的 Task 权威
--json	输出完整的机器可读终态 Task 记录
-h, --help	打印帮助

[CLI · 完整 1.0.0 参考](#)

ait blame - 完整参考

把某个路径或行区间归因到已记录的 Snapshot 与 Plan 沿革，并提供一个明确的有界恢复选项。

适用人群 开发者与 coding agent

<https://ait-native.dev/technical/v1.0.0/cli/reference/blame/>

作用边界

用途：把某个路径或行区间归因到已记录的 Snapshot 与 Plan 沿革，并提供一个明确的有界恢复选项。

影响类别：默认只读；给出的 restore 选项会改动选定的工作区范围。

覆盖：ait blame 下共 1 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

ait blame

原样输出的 help

ait blame

二进制描述：Attribute selected lines without modifying workspace files.

```
Attribute selected lines without modifying workspace files.

Usage: ait blame [OPTIONS] <PATH>

Arguments:
  <PATH>

Options:
  --line <LINE>
    Return blame for one line only.
  --start <START_LINE>
    Start line for a bounded blame range.
  --end <END_LINE>
    End line for a bounded blame range.
  --snapshot <SNAPSHOT_ID>
    Blame against one explicit immutable snapshot.
  --via-parent <VIA_PARENT_SNAPSHOT_ID>
    For an explicit merge Snapshot, follow this direct parent instead of the primary
    parent.
  --patchset <PATCHSET_ID>
    Resolve one exact published Patchset ID to its revision Snapshot before blaming.
  --remote <REMOTE_NAME>
    Remote to use when resolving --patchset.
  --plan-id <PLAN_ID>
    Select one current Markdown lineage plan explicitly when the same artifact path is
    tracked by multiple current plans.
  --plan-ref <PLAN_REF>
    Select one current Markdown lineage plan by artifact selector/ref.
  --json

-h, --help
    Print help
```

说明

标注所选行的归属，不修改工作区文件。

[CLI · 完整 1.0.0 参考](#)

ait doctor - 完整参考

针对配置的 memory 根目录、runtime 根目录或 Plan 权威运行定向诊断。

适用人群 用户与运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/doctor/>

作用边界

用途：针对配置的 memory 根目录、runtime 根目录或 Plan 权威运行定向诊断。

影响类别：只读诊断；每个子命令校验一个明确选定的本地权威边界。

覆盖：ait doctor 下共 4 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait doctor
ait doctor memory-root
ait doctor runtime-root
ait doctor plan-authority
```

原样输出的 help

ait doctor

二进制描述：Inspect effective AIT configuration and host readiness without repairing it.

```
Inspect effective AIT configuration and host readiness without repairing it.

Usage: ait doctor <COMMAND>

Commands:
  memory-root    Validate the configured memory-backed runtime root.
  runtime-root   Inspect the effective server runtime-root placement.
  plan-authority Inspect the fixed Rust-native Plan authority contract.
  help           Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

查看生效的 AIT 配置和主机就绪状态，不做修复。

参数 / 选项	说明
memory-root	校验配置的内存承载运行时根。
runtime-root	查看生效的服务器运行时根位置。
plan-authority	查看固定的 Rust 原生 Plan 权威契约。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait doctor memory-root

二进制描述：Validate the existing memory-backed root recorded in task_worktree.memory_root, plus its typed capacity and derived Task runtime location. This diagnostic never mounts, provisions, repairs, or creates the root.

```
Validate the existing memory-backed root recorded in task_worktree.memory_root, plus its typed capacity and derived Task runtime location. This diagnostic never mounts, provisions, repairs, or creates the root.
```

```
Usage: ait doctor memory-root [OPTIONS]
```

```
Options:
```

```
--json  
    Emit the diagnostic payload as JSON.
```

```
-h, --help  
    Print help (see a summary with '-h')
```

说明

校验 `task_worktree.memory_root` 中记录的已有内存承载根，及其带类型的容量和派生的 Task 运行时位置。此诊断绝不挂载、置备、修复或创建该根。

ait doctor runtime-root

二进制描述：Inspect the server runtime root selected by `AIT_RUNTIME_DATA` (or legacy `AIT_NATIVE_SERVER_DATA`) and report whether Snapshot scans protect it.

```
Inspect the server runtime root selected by AIT_RUNTIME_DATA (or legacy AIT_NATIVE_SERVER_DATA) and report whether Snapshot scans protect it.
```

```
Usage: ait doctor runtime-root [OPTIONS]
```

```
Options:
```

```
--json  
    Emit the diagnostic payload as JSON.
```

```
-h, --help  
    Print help (see a summary with '-h')
```

说明

查看由 `AIT_RUNTIME_DATA`（或旧的 `AIT_NATIVE_SERVER_DATA`）选定的服务器运行时根，并报告 Snapshot 扫描是否保护它。

ait doctor plan-authority

二进制描述：Inspect the fixed Rust-native Plan authority contract and required exports.

```
Inspect the fixed Rust-native Plan authority contract and required exports.
```

```
Usage: ait doctor plan-authority [OPTIONS]
```

```
Options:
```

```
--json  
    Emit the diagnostic payload as JSON.
```

```
-h, --help  
    Print help (see a summary with '-h')
```

说明

查看固定的 Rust 原生 Plan 权威契约及必需的导出项。

CLI • 完整 1.0.0 参考

ait queue - 完整参考

以摘要形式查看进行中的工作、评审、远程和 worktree 清单。

适用人群 用户与 coding agent

<https://ait-native.dev/technical/v1.0.0/cli/reference/queue/>

作用边界

用途： 以摘要形式查看进行中的工作、评审、远程和 worktree 清单。

影响类别： 只读查看。

覆盖： ait queue 下共 2 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait queue
ait queue summary
```

原样输出的 help

ait queue

参考描述： 以摘要形式查看进行中的工作、评审、远程和 worktree 清单。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait queue <COMMAND>

Commands:
  summary
  help    Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

参数 / 选项	说明
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait queue summary

参考描述： 查看进行中的 Task、Change、评审、远程和 worktree 健康状况的有界清单。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait queue summary [OPTIONS]

Options:
  --remote <REMOTE>
  --json
  -h, --help          Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

CLI • 完整 1.0.0 参考

ait remote - 完整参考

注册并列出远程权威，或从一个确切的远程 Repository 权威重建本地 Line head。

适用人群 Repository 所有者与恢复运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/remote/>

作用边界

用途：注册并列出远程权威，或从一个确切的远程 Repository 权威重建本地 Line head。

影响类别：注册和真正执行的恢复会改动状态；不带 apply 标志的恢复只是预览。

覆盖：ait remote 下共 4 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait remote
ait remote add
ait remote list
ait remote recover-head
```

原样输出的 help

ait remote

二进制描述：Manage server endpoints and recover the canonical remote main head.

```
Manage server endpoints and recover the canonical remote main head.

Usage: ait remote <COMMAND>

Commands:
  add          Register a remote using the canonical Repository directory name.
  list         List configured remotes without contacting their servers.
  recover-head Preview or atomically rebuild the exact remote main head and its full Snapshot
               ancestry.
  help        Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

管理服务器端点并恢复规范的远程 main head。

参数 / 选项	说明
add	使用规范的 Repository 目录名注册一个远程。
list	列出已配置的远程，不连接其服务器。
recover-head	预览或原子地重建确切的远程 main head 及其完整 Snapshot 祖先链。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait remote add

二进制描述：Register a remote using the canonical Repository directory name.


```
Register a remote using the canonical Repository directory name.

Usage: ait remote add [OPTIONS] <NAME> <URL>

Arguments:
  <NAME>  Local name used to select this remote.
  <URL>   Base URL of the AIT server.

Options:
  --default  Use this remote by default for both push and pull.
  --json     Emit the complete machine-readable JSON result.
  -h, --help Print help
```

说明

使用规范的 Repository 目录名注册一个远程。

参数 / 选项	说明
<NAME>	用于选择此远程的本地名称。
<URL>	AIT 服务器的基础 URL。
--default	默认将此远程同时用于 push 和 pull。
--json	输出完整的机器可读 JSON 结果。
-h, --help	打印帮助

ait remote list

二进制描述：List configured remotes without contacting their servers.

```
List configured remotes without contacting their servers.

Usage: ait remote list [OPTIONS]

Options:
  --json  Emit the complete machine-readable JSON result.
  -h, --help  Print help
```

说明

列出已配置的远程，不连接其服务器。

参数 / 选项	说明
--json	输出完整的机器可读 JSON 结果。
-h, --help	打印帮助

ait remote recover-head

二进制描述：Preview or atomically rebuild the exact remote main head and its full Snapshot ancestry.

```
Preview or atomically rebuild the exact remote main head and its full Snapshot ancestry.

Usage: ait remote recover-head [OPTIONS]

Options:
  --remote <NAME>  Read from this remote; otherwise use the configured default remote.
  --jobs <JOBS>    Use this many parallel pack downloads (1 through 64). [default: 8]
  --apply          Activate the reconstructed generation; omission performs a read-only
  preview.
  --json           Emit the complete machine-readable JSON result.
  -h, --help       Print help
```

说明

预览或原子地重建确切的远程 main head 及其完整 Snapshot 祖先链。

参数 / 选项	说明
--remote <NAME>	从此远程读取；否则使用配置的默认远程。
--jobs <JOBS>	使用此数量的并行包下载（1 到 64）。[default: 8]
--apply	激活重建出的世代；省略时执行只读预览。
--json	输出完整的机器可读 JSON 结果。
-h, --help	打印帮助

[CLI · 完整 1.0.0 参考](#)

ait release - 完整参考

创建并查看发布档案，构建并打包原生产物，发布这些产物，并晋级已接纳的发布。

适用人群 发布工程师

<https://ait-native.dev/technical/v1.0.0/cli/reference/release/>

作用边界

用途：创建并查看发布档案，构建并打包原生产物，发布这些产物，并晋级已接纳的发布。

影响类别：发布权威与对外发布的入口；build、publish 和 promote 操作可能产生外部影响。

覆盖：ait release 下共 12 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait release
ait release candidate
ait release candidate create
ait release check
ait release build
ait release native-source
ait release native-bundle
ait release package
ait release formula
ait release show
ait release publish
ait release promote
```

原样输出的 help

ait release

参考描述：创建并查看发布档案，构建并打包原生产物，发布这些产物，并晋级已接纳的发布。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait release <COMMAND>

Commands:
  candidate
  check
  build
  native-source
  native-bundle
  package
  formula
  show
  publish
  promote
  help          Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

参数 / 选项	说明
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait release candidate

参考描述：汇总创建 release candidate 权威记录的那些操作。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait release candidate <COMMAND>

Commands:
  create
  help    Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

参数 / 选项	说明
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait release candidate create

参考描述：为确切的版本、Line、profile 和发布通道创建一个 release candidate。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait release candidate create [OPTIONS] --version <VERSION>

Options:
  --version <VERSION>
  --line <LINE_NAME>    [default: main]
  --profile <PROFILE>
  --channel <CHANNEL>   [possible values: rc, stable]
  --json
  -h, --help            Print help
```

说明

参数 / 选项	说明
--line <LINE_NAME>	[default: main]
--channel <CHANNEL>	[possible values: rc, stable]
-h, --help	打印帮助

ait release check

参考描述：校验发布档案、它的组件回执和产物字节，以及所声明的测试证据。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```

Usage: ait release check [OPTIONS] <RELEASE_ID>

Arguments:
  <RELEASE_ID>

Options:
  --receipts <DIR>
    Verify family component receipts and artifact bytes below DIR
  --tests-command <TESTS_COMMAND>

  --skip-tests-reason <SKIP_TESTS_REASON>

  --json

  -h, --help
    Print help

```

ait release build

参考描述：根据组件回执或确切的原生目标矩阵，为一次发布冻结已接纳的同族产物。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```

Usage: ait release build [OPTIONS] <RELEASE_ID>

Arguments:
  <RELEASE_ID>

Options:
  --receipts <DIR>
    Freeze family artifacts admitted from component receipts below DIR
  --native-matrix-dir <DIR>
    Read target artifacts from DIR/<rust-target-triple>/release using ait-native-source.json descriptors.
  --native-command-dir <DIR>
    Read current-host release command artifacts from this explicit directory.
  --json
  -h, --help
    Print help

```

说明

参数 / 选项	说明
--receipts <DIR>	冻结从 DIR 之下的组件回执接纳而来的 family 工件
--native-matrix-dir <DIR>	使用 ait-native-source.json 描述符，从 DIR/<rust-target-triple>/release 读取目标工件。
--native-command-dir <DIR>	从此显式指定的目录读取当前主机的发布命令工件。
-h, --help	打印帮助

ait release native-source

参考描述：为一个原生发布目标记录确切的源、runner、镜像、Rust 工具链和编译器输入。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait release native-source [OPTIONS] --target <TARGET> --source-dir <DIR> --runner
<RUNNER> --runner-image <RUNNER_IMAGE> --rust-toolchain <RUST_TOOLCHAIN> --rustc-path <PATH>
<RELEASE_ID>

Arguments:
  <RELEASE_ID>

Options:
  --target <TARGET>
  --source-dir <DIR>
  --runner <RUNNER>
  --runner-image <RUNNER_IMAGE>
  --rust-toolchain <RUST_TOOLCHAIN>
  --rustc-path <PATH>
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait release native-bundle

参考描述： 只从带有所需源描述文件的目标目录构建原生发布包。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait release native-bundle [OPTIONS] --native-matrix-dir <DIR> <RELEASE_ID>

Arguments:
  <RELEASE_ID>

Options:
  --native-matrix-dir <DIR>  Build native bundles only from DIR/<rust-target-triple>/release
                             using ait-native-source.json descriptors.
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
--native-matrix-dir <DIR>	使用 ait-native-source.json 描述符，仅从 DIR/<rust-target-triple>/release 构建原生 bundle。
-h, --help	打印帮助

ait release package

参考描述： 为已接纳的发布创建针对特定发布通道的打包产物。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait release package [OPTIONS] --channel <CHANNEL> <RELEASE_ID>

Arguments:
  <RELEASE_ID>

Options:
  --channel <CHANNEL>  Assemble one declared channel from an immutable frozen family build
                       [possible values: homebrew, apt, winget, pypi, npm]
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
<code>--channel <CHANNEL></code>	从一个不可变的已冻结 family 构建组装一个已声明的渠道 [possible values: homebrew, apt, winget, pypi, npm]
<code>-h, --help</code>	打印帮助

ait release formula

参考描述：从已接纳的发布生成一份具名的打包 formula。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait release formula [OPTIONS] --name <NAME> <RELEASE_ID>

Arguments:
  <RELEASE_ID>

Options:
  --name <NAME>
  --python-formula <PYTHON_FORMULA>
                  Homebrew Python dependency formula written into the generated formula. [default:
                  python@3]
  --json
  -h, --help      Print help
```

ait release show

参考描述：查看发布档案及其记录的接纳状态。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait release show [OPTIONS] <RELEASE_ID>

Arguments:
  <RELEASE_ID>

Options:
  --remote <REMOTE>
  --json
  -h, --help      Print help
```

说明

参数 / 选项	说明
<code>-h, --help</code>	打印帮助

ait release publish

参考描述：通过配置好的发布边界，发布选定的已接纳发布产物。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait release publish [OPTIONS] <RELEASE_ID>

Arguments:
  <RELEASE_ID>

Options:
  --remote <REMOTE>
  --json
  -h, --help      Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait release promote

参考描述：把已接纳的发布晋级到选定的发布通道。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait release promote [OPTIONS] --channel <CHANNEL> <RELEASE_ID>

Arguments:
  <RELEASE_ID>

Options:
  --channel <CHANNEL>  [possible values: rc, stable]
  --json
  -h, --help           Print help
```

说明

参数 / 选项	说明
--channel <CHANNEL>	[possible values: rc, stable]
-h, --help	打印帮助

CLI • 完整 1.0.0 参考

ait repo - 完整参考

查看或管理已注册的远程 Repository 及其 CI 任务、能力和运行记录。

适用人群 Repository 所有者与运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/repo/>

作用边界

用途：查看或管理已注册的远程 Repository 及其 CI 任务、能力和运行记录。

影响类别：远程读取与管理混合的入口；退役、恢复和 CI 调度会改动远程权威。

覆盖：ait repo 下共 6 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait repo
ait repo show
ait repo retire
ait repo restore
ait repo jobs
ait repo ci-capabilities
```

原样输出的 help

ait repo

二进制描述：Inspect and manage the configured remote Repository authority.

```
Inspect and manage the configured remote Repository authority.

Usage: ait repo <COMMAND>

Commands:
  show          Read Repository identity, lifecycle, storage validation, and sync state.
  retire        Drain, archive, verify, and purge a remote Repository, or abort that
                 retirement.
  restore       Restore a complete local retirement archive as a new remote Repository.
  jobs          Read one Worker Job or a bounded, optionally filtered Job inventory.
  ci-capabilities Inspect server, native runner, and remote-sync prerequisites for Patchset CI.
  help          Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

查看并管理已配置的远程 Repository 权威。

参数 / 选项	说明
show	读取 Repository 身份、生命周期、存储校验和同步状态。
retire	排空、归档、校验并清除一个远程 Repository，或中止该退役。
restore	将一份完整的本地退役归档恢复为一个新的远程 Repository。
jobs	读取一个 Worker Job，或一份有界且可选过滤的 Job 清单。
ci-capabilities	检查 Patchset CI 的服务器、原生 runner 和远程同步前置条件。
help	打印本消息或给定子命令的帮助

参数 / 选项	说明
-h, --help	打印帮助

ait repo show

二进制描述: Read Repository identity, lifecycle, storage validation, and sync state.

```
Read Repository identity, lifecycle, storage validation, and sync state.

Usage: ait repo show [OPTIONS]

Options:
  --remote <NAME>  Use this configured remote; omission uses the Repository default remote.
  --json           Emit the complete machine-readable JSON result.
  -h, --help       Print help
```

说明

读取 Repository 身份、生命周期、存储校验和同步状态。

参数 / 选项	说明
--remote <NAME>	使用此已配置的远程；省略时使用 Repository 默认远程。
--json	输出完整的机器可读 JSON 结果。
-h, --help	打印帮助

ait repo retire

二进制描述: Without --abort, drain the remote Repository, durably download and verify its complete authority archive, then purge server authority. An unrelated complete local archive blocks retirement and must be handled with `ait repo restore --remote <NAME>`; there is no archive replacement option. With --abort, reactivate the Repository and preserve any complete local archive.

```
Without --abort, drain the remote Repository, durably download and verify its complete authority
archive, then purge server authority. An unrelated complete local archive blocks retirement
and must be handled with `ait repo restore --remote <NAME>`; there is no archive replacement
option. With --abort, reactivate the Repository and preserve any complete local archive.

Usage: ait repo retire [OPTIONS]

Options:
  --remote <NAME>  Mutate this configured remote; omission uses the Repository default remote.

  --abort          Abort an in-progress retirement and reactivate the Repository while preserving any
                  complete local archive.

  --json           Emit the complete machine-readable JSON result.

  -h, --help       Print help (see a summary with '-h')
```

说明

不带 --abort 时，排空远程

Repository，持久下载并校验其完整权威归档，然后清除服务器权威。一份无关的完整本地归档会阻止退役，必须用 `ait repo restore --remote <NAME>` 处理；不存在归档替换选项。带 --abort 时，重新激活该 Repository 并保留任何完整的本地归档。

ait repo restore

二进制描述: Verify the complete `.ait/remote/<remote>/` retirement archive, create a new remote Repository index, upload and commit its authority, then update the local configured Repository index. Archive identity is authoritative; there is no name, index, or force override.

```
Verify the complete `.ait/remote/<remote>/' retirement archive, create a new remote Repository
index, upload and commit its authority, then update the local configured Repository index.
Archive identity is authoritative; there is no name, index, or force override.
```

```
Usage: ait repo restore [OPTIONS]
```

```
Options:
```

```
--remote <NAME>          Use this configured remote; omission uses the Repository default remote.
```

```
--json                  Emit the complete machine-readable JSON result.
```

```
-h, --help              Print help (see a summary with '-h')
```

说明

校验完整的 `.ait/remote/<remote>/` 退役归档, 创建新的远程 Repository 索引, 上传并提交其权威, 然后更新本地配置的 Repository 索引。归档身份即权威; 不存在名称、索引或强制覆盖选项。

ait repo jobs

二进制描述: Read one Worker Job or a bounded, optionally filtered Job inventory.

```
Read one Worker Job or a bounded, optionally filtered Job inventory.
```

```
Usage: ait repo jobs [OPTIONS]
```

```
Options:
```

```
--remote <NAME>          Read from this configured remote; omission uses the Repository
                        default remote.
```

```
--worker-job-index <INDEX> Read one exact Repository-scoped Worker Job; cannot be
                        combined with list filters.
```

```
--state <STATE>          Return only queued, running, succeeded, or failed Jobs.
                        [possible values: queued, running, succeeded, failed]
```

```
--limit <COUNT>        Return at most this many Jobs in list mode (1 through 1000;
                        default 50). [default: 50]
```

```
--json                  Emit the complete machine-readable JSON result.
```

```
-h, --help              Print help
```

说明

读取一个 Worker Job, 或一份有界且可选过滤的 Job 清单。

参数 / 选项	说明
<code>--remote <NAME></code>	从此已配置的远程读取; 省略时使用 Repository 默认远程。
<code>--worker-job-index <INDEX></code>	读取一个确切的 Repository 范围 Worker Job; 不能与列表过滤器组合。
<code>--state <STATE></code>	只返回 queued、running、succeeded 或 failed 状态的 Job。[possible values: queued, running, succeeded, failed]
<code>--limit <COUNT></code>	在列表模式下最多返回此数量的 Job (1 到 1000; 默认 50) 。[default: 50]
<code>--json</code>	输出完整的机器可读 JSON 结果。
<code>-h, --help</code>	打印帮助

ait repo ci-capabilities

二进制描述: Inspect server, native runner, and remote-sync prerequisites for Patchset CI.

```
Inspect server, native runner, and remote-sync prerequisites for Patchset CI.
```

```
Usage: ait repo ci-capabilities [OPTIONS]
```

```
Options:
```

```
--remote <NAME>          Use this configured remote; omission uses the Repository default remote.
```

```
--json                  Emit the complete machine-readable JSON result.
```

```
-h, --help              Print help
```

说明

检查 Patchset CI 的服务器、原生 runner 和远程同步前置条件。

参数 / 选项	说明
--remote <NAME>	使用此已配置的远程；省略时使用 Repository 默认远程。
--json	输出完整的机器可读 JSON 结果。
-h, --help	打印帮助

[CLI](#) • [完整 1.0.0 参考](#)

ait config - 完整参考

查看生效的仓库配置，或设置一个明确的受支持配置值。

适用人群 用户与运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/config/>

作用边界

用途：查看生效的仓库配置，或设置一个明确的受支持配置值。

影响类别：show 为只读；set 会改动仓库配置，并可能刷新生成的指令。

覆盖：ait config 下共 4 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait config
ait config show
ait config set
ait config unset
```

原样输出的 help

ait config

二进制描述：Inspect effective configuration and mutate only admitted user-owned overrides.

```
Inspect effective configuration and mutate only admitted user-owned overrides.

Usage: ait config <COMMAND>

Commands:
  show  Inspect effective repository configuration without modifying it.
  set   Set admitted user-owned repository defaults.
  unset Remove one admitted user-owned override.
  help  Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

查看生效配置，仅改动已接纳的用户所有覆盖项。

参数 / 选项	说明
show	查看生效的仓库配置，不做修改。
set	设置已接纳的用户所有仓库默认值。
unset	删除一个已接纳的用户所有覆盖项。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait config show

二进制描述：Read authoritative root configuration plus the applicable worktree overlay and report effective values. Human output is compact; --json returns the complete machine-readable projection.

```
Read authoritative root configuration plus the applicable worktree overlay and report effective values. Human output is compact; --json returns the complete machine-readable projection.
```

```
Usage: ait config show [OPTIONS]
```

```
Options:
```

```
--json
```

```
Emit the complete machine-readable effective configuration.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

读取权威根配置及适用的 worktree 覆盖层并报告生效值。人类可读输出为紧凑格式；--json 返回完整的机器可读投影。

ait config set

二进制描述：Set one or more admitted user-owned defaults, then refresh effective configuration and generated workflow guidance. Repository authority indexes, derived scopes, and Plan-binding internals cannot be set here. Use `ait config unset <KEY>` to remove an optional override.

Set one or more admitted user-owned defaults, then refresh effective configuration and generated workflow guidance. Repository authority indexes, derived scopes, and Plan-binding internals cannot be set here. Use ``ait config unset <KEY>`` to remove an optional override.

Usage: `ait config set [OPTIONS]`

Options:

```
--workflow-mode <WORKFLOW_MODE>
    Set the complete workflow preset. This owns workflow/task/change scopes and defaults
    sprint mode to on unless --sprint is supplied.

    [possible values: solo_local, solo_remote, team_remote]

--sprint <SPRINT>
    Set sprint-style Plan/Task binding. On requires exact Plan item refs; off uses unbound
    Tasks.

    [possible values: on, off]

--default-author-mode <DEFAULT_AUTHOR_MODE>
    Set the default provenance author mode.

    [possible values: human_only, human_with_ai_assist, ai_with_human_review,
    ai_only_experimental]

--default-model <DEFAULT_MODEL>
    Set a non-empty default provenance model name.

--task-review <TASK_REVIEW>
    Set Task outcome review policy. Required waits for review; automatic records
    task_approve using configured user_name.

    [possible values: required, automatic]

--task-worktree-alias-root <TASK_WORKTREE_ALIAS_ROOT>
    Set a non-empty managed alias root for task worktrees. Relative paths resolve from the
    Repository root.

--task-worktree-main-seed-ram-max-bytes <TASK_WORKTREE_MAIN_SEED_RAM_MAX_BYTES>
    Set a non-negative Repository-local RAM budget in bytes for main-seed-backed task
    worktree bootstrap.

--id-namespace-prefix <ID_NAMESPACE_PREFIX>
    Set a non-empty ASCII-alphanumeric namespace prefix before workflow type codes such as
    T/C/P/PL/PR.

--user-name <USER_NAME>
    Set the non-empty human identity used by explicit and automatic Task review.

--user-email <USER_EMAIL>
    Set a non-empty local actor email for non-Task-review identity surfaces.

--json
    Emit the complete machine-readable effective configuration after the update.

-h, --help
    Print help (see a summary with '-h')
```

说明

设置一个或多个已接纳的用户所有默认值，然后刷新生效配置和生成的工作流指引。Repository 权威索引、派生范围和 Plan 绑定内部项不能在此设置。使用 `ait config unset <KEY>` 删除可选覆盖项。

ait config unset

二进制描述：Delete exactly one admitted optional override from authoritative root configuration, then refresh effective configuration and generated workflow guidance. Fallbacks are: default-author-mode -> ai_with_human_review; default-model -> unset; task-review -> automatic; task-worktree-alias-root -> .ait-worktree-links; task-worktree-main-seed-ram-max-bytes -> no configured budget; id-namespace-prefix -> empty; user-name and user-email -> unset while actor detection remains available. Repository authority indexes, workflow-mode, sprint, derived scopes, and Plan-binding internals cannot be unset.

```
Delete exactly one admitted optional override from authoritative root configuration, then
refresh effective configuration and generated workflow guidance. Fallbacks are:
default-author-mode -> ai_with_human_review; default-model -> unset; task-review -> automatic;
task-worktree-alias-root -> .ait-worktree-links; task-worktree-main-seed-ram-max-bytes -> no
configured budget; id-namespace-prefix -> empty; user-name and user-email -> unset while actor
detection remains available. Repository authority indexes, workflow-mode, sprint, derived
scopes, and Plan-binding internals cannot be unset.
```

```
Usage: ait config unset [OPTIONS] <KEY>
```

Arguments:

<KEY>

Admitted optional user override to remove.

[possible values: default-author-mode, default-model, task-review,
task-worktree-alias-root, task-worktree-main-seed-ram-max-bytes,
id-namespace-prefix, user-name, user-email]

Options:

--json

Emit the complete machine-readable effective configuration after removal.

-h, --help

Print help (see a summary with '-h')

说明

从权威根配置中删除恰好一个已接纳的可选覆盖项，然后刷新生效配置和生成的工作流指引。回退值为：default-author-mode -> ai_with_human_review；default-model -> 未设置；task-review -> automatic；task-worktree-alias-root -> .ait-worktree-links；task-worktree-main-seed-ram-max-bytes -> 无配置预算；id-namespace-prefix -> 空；user-name 和 user-email -> 未设置，但 actor 检测仍然可用。Repository 权威索引、workflow-mode、sprint、派生范围和 Plan 绑定内部项不能被取消设置。

CLI • 完整 1.0.0 参考

ait external - 完整参考

查看、物化、固定、链接、解除链接并诊断外部仓库依赖。

适用人群 开发者与依赖运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/external/>

作用边界

用途：查看、物化、固定、链接、解除链接并诊断外部仓库依赖。

影响类别：status 和 doctor 只做查看；update、link 和 unlink 会改变依赖或工作区的物化状态。

覆盖：ait external 下共 6 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait external
ait external update
ait external status
ait external doctor
ait external link
ait external unlink
```

原样输出的 help

ait external

二进制描述：Inspect, diagnose, resolve, pin, materialize, and locally link external Repository dependencies declared by ait-external.toml. Resolution writes an exact ait-external.lock; generated content is materialized below each declaration's repository-relative destination.

```
Inspect, diagnose, resolve, pin, materialize, and locally link external Repository dependencies
declared by ait-external.toml. Resolution writes an exact ait-external.lock; generated content
is materialized below each declaration's repository-relative destination.
```

```
Usage: ait external <COMMAND>
```

```
Commands:
```

```
update  Resolve and materialize declared external Repositories.
status  Inspect external pins, links, lock drift, and materialization state.
doctor  Evaluate external dependency release readiness without repairing it.
link     Use another local checkout for one declared direct external.
unlink  Remove one local external override and restore locked content.
help    Print this message or the help of the given subcommand(s)
```

```
Options:
```

```
-h, --help
        Print help (see a summary with '-h')
```

说明

查看、诊断、解析、固定、物化并本地链接由 ait-external.toml 声明的外部 Repository 依赖。解析会写出精确的 ait-external.lock；生成的内容会物化到每条声明的仓库相对目标路径之下。

参数 / 选项	说明
update	解析并物化已声明的外部 Repository。
status	查看外部依赖的固定版本、链接、锁漂移和物化状态。
doctor	评估外部依赖的发布就绪状态，不做修复。
link	为一条已声明的直接外部依赖改用另一个本地检出。
unlink	删除一个本地外部覆盖并恢复锁定内容。
help	打印本消息或给定子命令的帮助

ait external update

二进制描述： Resolve and materialize declared external Repositories. With no NAME, preserve the manifest's exact pins while reconciling the complete lock DAG. NAME requires exactly one of --to or --latest. --locked is a separate target-free mode that reads an existing drift-free lockfile without changing manifest or lock authority.

```
Resolve and materialize declared external Repositories. With no NAME, preserve the manifest's
exact pins while reconciling the complete lock DAG. NAME requires exactly one of --to or
--latest. --locked is a separate target-free mode that reads an existing drift-free lockfile
without changing manifest or lock authority.

Usage: ait external update [--validate] [--no-recursive] [--json]
      ait external update <NAME> (--to <SNAPSHOT> | --latest) [--validate] [--no-recursive]
      [--json]
      ait external update --locked [--validate] [--no-recursive] [--json]

Arguments:
  [NAME]
    Unique direct external name; requires --to or --latest.

Options:
  --to <SNAPSHOT>
    Pin NAME to this exact immutable Snapshot before resolving and materializing.

  --latest
    Resolve NAME's declared remote and line head, then persist that exact Snapshot pin.

  --locked
    Materialize the existing drift-free ait-external.lock without resolving or changing
    pins; active local links are rejected.

  --validate
    Stage the selected materialization and binding toolchain probes first; apply it only
    when validation has no errors.

  --no-recursive
    Materialize direct externals only; the resolved lockfile remains a complete recursive
    DAG.

  --json
    Emit the complete machine-readable update report.

-h, --help
    Print help (see a summary with '-h')
```

说明

解析并物化已声明的外部 Repository。未给 NAME 时，保留清单中的精确固定版本，同时调和完整的锁 DAG。NAME 必须恰好搭配 --to 或 --latest 之一。--locked 是单独的无目标模式，读取已有且无漂移的锁文件，不更改清单或锁权威。

ait external status

二进制描述： Read manifest, lockfile, local-link, binding-path, and generated-materialization facts without repairing or changing them. States include materialized, missing, linked, dirty, and outdated; lock drift is reported separately.

```
Read manifest, lockfile, local-link, binding-path, and generated-materialization facts without repairing or changing them. States include materialized, missing, linked, dirty, and outdated; lock drift is reported separately.
```

```
Usage: ait external status [OPTIONS]
```

```
Options:
```

```
--json
    Emit the complete machine-readable status report.
```

```
-h, --help
    Print help (see a summary with '-h')
```

说明

读取清单、锁文件、本地链接、绑定路径和生成物物化的事实信息，不做修复或更改。状态包括 materialized、missing、linked、dirty 和 outdated；锁漂移单独报告。

ait external doctor

二进制描述：Evaluate manifest, lockfile, materialization, local-link, binding, license, and applicable current-source readiness. The report is always emitted. By default findings are diagnostic only; --fail-on-blocking returns exit code 2 when release_ready is false.

```
Evaluate manifest, lockfile, materialization, local-link, binding, license, and applicable current-source readiness. The report is always emitted. By default findings are diagnostic only; --fail-on-blocking returns exit code 2 when release_ready is false.
```

```
Usage: ait external doctor [OPTIONS]
```

```
Options:
```

```
--fail-on-blocking
    Return exit code 2 after emitting the report when release-blocking findings exist.
```

```
--json
    Emit the complete machine-readable readiness report.
```

```
-h, --help
    Print help (see a summary with '-h')
```

说明

评估清单、锁文件、物化、本地链接、绑定、许可证以及适用的当前源就绪状态。报告始终会输出。默认发现项仅作诊断；--fail-on-blocking 在 release_ready 为 false 时返回退出码 2。

ait external link

二进制描述：Record a local development override in ait-external.links.toml. NAME must match exactly one direct ait-external.toml declaration. PATH must be an existing directory outside this authoritative Repository; regular updates preserve the override, while locked and release-ready materialization reject active links.

```
Record a local development override in ait-external.links.toml. NAME must match exactly one direct ait-external.toml declaration. PATH must be an existing directory outside this authoritative Repository; regular updates preserve the override, while locked and release-ready materialization reject active links.
```

```
Usage: ait external link [OPTIONS] <NAME> <PATH>
```

```
Arguments:
```

```
<NAME>
    Unique direct external name declared by ait-external.toml.
```

```
<PATH>
    Existing local checkout directory; relative paths resolve from the Repository root.
```

```
Options:
```

```
--json
    Emit the complete machine-readable link result.
```

```
-h, --help
    Print help (see a summary with '-h')
```

说明

在 `ait-external.links.toml` 中记录一个本地开发覆盖。NAME 必须恰好匹配一条直接的 `ait-external.toml` 声明。PATH 必须是此权威 Repository 之外的已有目录；常规更新会保留该覆盖，而 locked 和发布就绪的物化会拒绝活动链接。

ait external unlink

二进制描述：Remove NAME from `ait-external.links.toml`. When `ait-external.lock` exists, restore the matching direct external and its recursive subtree before committing removal of the override. A failed restore leaves the logical link active.

```
Remove NAME from ait-external.links.toml. When ait-external.lock exists, restore the matching
direct external and its recursive subtree before committing removal of the override. A failed
restore leaves the logical link active.
```

```
Usage: ait external unlink [OPTIONS] <NAME>
```

Arguments:

<NAME>

Local external override name to remove.

Options:

--json

Emit the complete machine-readable unlink and restoration result.

-h, --help

Print help (see a summary with '-h')

说明

从 `ait-external.links.toml` 中删除 NAME。当 `ait-external.lock` 存在时，会先恢复匹配的直接外部依赖及其递归子树，再提交删除该覆盖。恢复失败时逻辑链接保持活动。

[CLI • 完整 1.0.0 参考](#)

ait status - 完整参考

查看当前的 Line、仓库、工作区、远程和 worktree 状态。

适用人群 用户与 coding agent

<https://ait-native.dev/technical/v1.0.0/cli/reference/status/>

作用边界

用途：查看当前的 Line、仓库、工作区、远程和 worktree 状态。

影响类别：只读查看。

覆盖：ait status 下共 1 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

ait status

原样输出的 help

ait status

二进制描述：Inspect the current repository, Line, Snapshot, workspace, bounded hygiene findings, and actionable reconciliation state without modifying repository or runtime authority. Use --json for the sole stable machine-readable projection.

```
Inspect the current repository, Line, Snapshot, workspace, bounded hygiene findings, and
actionable reconciliation state without modifying repository or runtime authority. Use --json
for the sole stable machine-readable projection.
```

```
Usage: ait status [OPTIONS]
```

```
Options:
```

```
--json
```

```
Emit the stable machine-readable status projection.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

查看当前仓库、Line、Snapshot、工作区、有界的卫生检查发现以及可操作的调和状态，不修改仓库或运行时权威。--json 是唯一稳定的机器可读投影。

CLI • 完整 1.0.0 参考

ait diff - 完整参考

用可选的有界路径和输出过滤条件，比较当前工作区与已记录的状态。

适用人群 用户与 coding agent

<https://ait-native.dev/technical/v1.0.0/cli/reference/diff/>

作用边界

用途：用可选的有界路径和输出过滤条件，比较当前工作区与已记录的状态。

影响类别：只读查看。

覆盖：ait diff 下共 1 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

ait diff

原样输出的 help

ait diff

二进制描述：Compare the current workspace with the current Line head without modifying repository or workspace authority. With no output option, emit the existing unified text diff. Use --json for the stable machine-readable projection, --stat for per-file text statistics, or --name-only for the ordered changed-path list. Positional PATH values select exact workspace-relative files or directory subtrees using lexical matching, not globs.

```
Compare the current workspace with the current Line head without modifying repository or
workspace authority. With no output option, emit the existing unified text diff. Use --json
for the stable machine-readable projection, --stat for per-file text statistics, or
--name-only for the ordered changed-path list. Positional PATH values select exact
workspace-relative files or directory subtrees using lexical matching, not globs.
```

```
Usage: ait diff [OPTIONS] [PATH]...
```

```
Arguments:
```

```
[PATH]...
```

```
    Limit the comparison to an exact workspace-relative file or directory subtree. Repeat
    PATH to combine lexical filters; glob syntax is not supported.
```

```
Options:
```

```
--json
```

```
    Emit the stable machine-readable workspace-diff projection.
```

```
--stat
```

```
    Emit per-file text statistics.
```

```
--name-only
```

```
    Emit only the ordered changed-path list.
```

```
-h, --help
```

```
    Print help (see a summary with '-h')
```

说明

将当前工作区与当前 Line head 比较，不修改仓库或工作区权威。未指定输出选项时，输出现有的统一文本 diff。--json 输出稳定的机器可读投影，--stat 输出按文件的文本统计，--name-only 输出有序的变更路径列表。位置参数 PATH 按字面匹配（而非 glob）选择确切的工作区相对文件或目录子树。

[CLI · 完整 1.0.0 参考](#)

ait pull - 完整参考

导入远程 Line 的 Snapshot 历史，判定 head 之间的关系，并可选地物化选定的结果。

适用人群 开发者与 coding agent

<https://ait-native.dev/technical/v1.0.0/cli/reference/pull/>

作用边界

用途：导入远程 Line 的 Snapshot 历史，判定 head 之间的关系，并可选地物化选定的结果。

影响类别：导入会改动本地权威；merge 和 restore 选项还可能改变 Line 或工作区状态。

覆盖：ait pull 下共 1 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait pull
```

原样输出的 help

ait pull

二进制描述：Import the selected remote Line's reachable Snapshot chain and safely create or fast-forward its local Line. The configured default remote and current local Line are used when omitted. Workspace files remain unchanged unless --restore is supplied.

```
Import the selected remote Line's reachable Snapshot chain and safely create or fast-forward its
local Line. The configured default remote and current local Line are used when omitted.
Workspace files remain unchanged unless --restore is supplied.
```

```
Usage: ait pull [OPTIONS]
```

```
Options:
```

```
--remote <REMOTE>
```

```
    Use this configured remote; defaults to the repository's default remote.
```

```
--line <LINE>
```

```
    Import this remote Line and safely create or fast-forward its local Line; defaults to
    the current local Line.
```

```
--merge
```

```
    Merge a divergent imported remote head into the current local Line and materialize the
    result; requires --restore and a clean workspace.
```

```
--restore
```

```
    Materialize the pulled Line into the workspace and select that Line; rejected when the
    local Line is ahead of the remote.
```

```
--force
```

```
    Allow --restore to overwrite local workspace changes; requires --restore and cannot be
    used with --merge.
```

```
--json
```

```
    Emit the pull result as machine-readable JSON.
```

```
-h, --help
```

```
    Print help (see a summary with '-h')
```

说明

导入所选远程 Line 可达的 Snapshot 链，并安全地创建或快进其本地 Line。省略时使用配置的默认远程和当前本地 Line。除非提供 --restore，工作区文件保持不变。

[CLI • 完整 1.0.0 参考](#)

ait push - 完整参考

上传已记录的 Snapshot 历史，并推进一条确切的远程 Line。

适用人群 开发者与恢复运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/push/>

作用边界

用途： 上传已记录的 Snapshot 历史，并推进一条确切的远程 Line。

影响类别： 改动远程；它传输的是已记录的状态，不会捕获未记录的工作区内容。

覆盖： `ait push` 下共 1 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

`ait push`

原样输出的 help

`ait push`

参考描述： 上传已记录的 Snapshot 历史，并推进一条确切的远程 Line。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait push [OPTIONS]

Options:
  --remote <REMOTE>
  --line <LINE>
  --json
  -h, --help          Print help
```

说明

参数 / 选项	说明
<code>-h, --help</code>	打印帮助

CLI • 完整 1.0.0 参考

ait gc - 完整参考

查看、校验并清理符合条件的原生存储包。

适用人群 Repository 所有者与存储运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/gc/>

作用边界

用途：查看、校验并清理符合条件的原生存储包。

影响类别：stats 和 validate 只做查看；prune 只删除符合它确切资格规则的数据。

覆盖：ait gc 下共 4 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait gc
ait gc stats
ait gc validate
ait gc prune
```

原样输出的 help

ait gc

二进制描述：Inspect bounded local content statistics, run exact read-only validation, or preview safe orphan object-pack cleanup. Pruning is read-only unless gc prune is given --apply; it never removes tree packs, individual unreachable blobs, Snapshots, Lines, Tasks, workspace files, or remote content.

```
Inspect bounded local content statistics, run exact read-only validation, or preview safe orphan
object-pack cleanup. Pruning is read-only unless gc prune is given --apply; it never removes
tree packs, individual unreachable blobs, Snapshots, Lines, Tasks, workspace files, or remote
content.
```

```
Usage: ait gc <COMMAND>
```

```
Commands:
  stats      Show a bounded local content-storage summary.
  validate   Run exact read-only local content validation.
  prune      Preview safe orphan object-pack cleanup; mutate only with --apply.
  help       Print this message or the help of the given subcommand(s)
```

```
Options:
  -h, --help      Print help (see a summary with '-h')
```

说明

查看有界的本地内容统计、运行精确的只读校验，或预览安全的孤立对象包清理。除非给 gc prune 传入 --apply，清理始终只读；它绝不会删除树包、单个不可达 blob、Snapshot、Line、Task、工作区文件或远程内容。

参数 / 选项	说明
stats	显示有界的本地内容存储摘要。
validate	运行精确的只读本地内容校验。
prune	预览安全的孤立对象包清理；仅在给出 --apply 时才改动。
help	打印本消息或给定子命令的帮助

ait gc stats

二进制描述: Show bounded local blob, tree, and pack counts and storage metrics without exact retained-tree traversal or full inventory rows. Use gc validate for exact retained-Snapshot reachability.

```
Show bounded local blob, tree, and pack counts and storage metrics without exact retained-tree traversal or full inventory rows. Use gc validate for exact retained-Snapshot reachability.
```

```
Usage: ait gc stats [OPTIONS]
```

```
Options:
```

```
--json
```

```
Emit the bounded summary as stable JSON.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

显示有界的本地 blob、树和包的数量及存储指标，不做精确的保留树遍历，也不列完整清单行。精确的保留 Snapshot 可达性请用 gc validate。

ait gc validate

二进制描述: Run exact read-only validation by traversing retained Snapshot trees and blobs and checking local pack metadata without modifying repository or workspace state. The result is emitted before the command returns nonzero when needs_attention is true.

```
Run exact read-only validation by traversing retained Snapshot trees and blobs and checking local pack metadata without modifying repository or workspace state. The result is emitted before the command returns nonzero when needs_attention is true.
```

```
Usage: ait gc validate [OPTIONS]
```

```
Options:
```

```
--json
```

```
Emit the exact validation result as stable JSON.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

通过遍历保留的 Snapshot 树和 blob 并检查本地包元数据来运行精确的只读校验，不修改仓库或工作区状态。当 needs_attention 为 true 时，命令会先输出结果再返回非零。

ait gc prune

二进制描述: Preview the exact fully orphaned object-pack cleanup plan by default. --apply recomputes, verifies, and revalidates that plan before changing local catalog metadata and deleting unreferenced object-pack archives. This command never prunes tree packs, individual unreachable blobs, Snapshots, Lines, Tasks, workspace files, or remote content.

```
Preview the exact fully orphaned object-pack cleanup plan by default. --apply recomputes, verifies, and revalidates that plan before changing local catalog metadata and deleting unreferenced object-pack archives. This command never prunes tree packs, individual unreachable blobs, Snapshots, Lines, Tasks, workspace files, or remote content.
```

```
Usage: ait gc prune [OPTIONS]
```

```
Options:
```

```
--apply
```

```
Apply the recomputed and revalidated safe plan; without this option the command is read-only.
```

```
--json
```

```
Emit the preview or apply result as stable JSON.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

默认预览确切的完全孤立对象包清理计划。--apply 会在更改本地目录元数据并删除未被引用的对象包归档之前，重新计算、验证并复核该计划。此命令绝不会清理树包、单个不可达 blob、Snapshot、Line、Task、工作区文件或远程内容。

[CLI · 完整 1.0.0 参考](#)

ait stash - 完整参考

记录、查看、应用并删除本地未完成工作的 stash 条目。

适用人群 开发者与 coding agent

<https://ait-native.dev/technical/v1.0.0/cli/reference/stash/>

作用边界

用途：记录、查看、应用并删除本地未完成工作的 stash 条目。

影响类别：改动本地 stash 和工作区；list 和 show 为只读。

覆盖：ait stash 下共 7 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait stash
ait stash save
ait stash list
ait stash show
ait stash apply
ait stash pop
ait stash drop
```

原样输出的 help

ait stash

二进制描述：Park, inspect, restore, and drop temporary local-only workspace Snapshots without advancing Line heads. A stash can be restored only while its source Line is current.

```
Park, inspect, restore, and drop temporary local-only workspace Snapshots without advancing Line
heads. A stash can be restored only while its source Line is current.

Usage: ait stash <COMMAND>

Commands:
  save  Save modified workspace content as a temporary local-only stash.
  list  List active local-only stash metadata without changing the workspace.
  show  Inspect metadata for one active local-only stash.
  apply Restore a same-Line stash and retain its stash record.
  pop   Restore a same-Line stash and then drop its stash record.
  drop  Drop an active stash record without changing workspace content.
  help  Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help (see a summary with '-h')
```

说明

暂存、查看、恢复和丢弃临时的仅本地工作区 Snapshot，不推进 Line head。stash 仅当其来源 Line 为当前 Line 时才能恢复。

参数 / 选项	说明
save	将已修改的工作区内容保存为临时的仅本地 stash。
list	列出活动的仅本地 stash 元数据，不改变工作区。
show	查看一个活动的仅本地 stash 的元数据。
apply	恢复一个同 Line 的 stash 并保留其 stash 记录。
pop	恢复一个同 Line 的 stash，然后丢弃其 stash 记录。
drop	丢弃一条活动的 stash 记录，不改变工作区内容。

参数 / 选项	说明
help	打印本消息或给定子命令的帮助

ait stash save

二进制描述： Save modified managed-workspace content as a temporary local-only stash Snapshot without advancing the current Line head. By default, restore the current Line head into the workspace after saving; --keep-workspace leaves the saved content materialized.

```
Save modified managed-workspace content as a temporary local-only stash Snapshot without
advancing the current Line head. By default, restore the current Line head into the workspace
after saving; --keep-workspace leaves the saved content materialized.

Usage: ait stash save [OPTIONS]

Options:
  --message <MESSAGE>
    Record an optional human-readable message with the stash.

  --keep-workspace
    Leave the saved content materialized; the Line head stays unchanged, so the workspace
    remains dirty relative to it.

  --json
    Emit the complete machine-readable JSON result.

-h, --help
    Print help (see a summary with '-h')
```

说明

将已修改的受管工作区内容保存为临时的仅本地 stash Snapshot，不推进当前 Line head。默认在保存后把当前 Line head 恢复到工作区；--keep-workspace 让已保存内容保持物化状态。

ait stash list

二进制描述： List active local-only stash metadata without changing the workspace.

```
List active local-only stash metadata without changing the workspace.

Usage: ait stash list [OPTIONS]

Options:
  --json  Emit the complete machine-readable JSON result.
-h, --help  Print help
```

说明

列出活动的仅本地 stash 元数据，不改变工作区。

参数 / 选项	说明
--json	输出完整的机器可读 JSON 结果。
-h, --help	打印帮助

ait stash show

二进制描述： Inspect metadata for one active local-only stash without changing the workspace. This command reports the stash record and Snapshot summary; it does not display a content diff.

```
Inspect metadata for one active local-only stash without changing the workspace. This command reports the stash record and Snapshot summary; it does not display a content diff.
```

```
Usage: ait stash show [OPTIONS] <STASH_ID>
```

Arguments:

```
<STASH_ID>
```

```
Exact active stash ID.
```

Options:

```
--json
```

```
Emit the complete machine-readable JSON result.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

查看一个活动的仅本地 stash 的元数据，不改变工作区。此命令报告 stash 记录和 Snapshot 摘要；不显示内容 diff。

ait stash apply

二进制描述： Replace the entire managed workspace with an active stash Snapshot and retain its stash record, without moving the current Line head. The current Line must be the stash's source Line. This is full workspace materialization, not a patch or three-way merge.

```
Replace the entire managed workspace with an active stash Snapshot and retain its stash record, without moving the current Line head. The current Line must be the stash's source Line. This is full workspace materialization, not a patch or three-way merge.
```

```
Usage: ait stash apply [OPTIONS] <STASH_ID>
```

Arguments:

```
<STASH_ID>
```

```
Exact active stash ID created on the current Line.
```

Options:

```
--force
```

```
Overwrite unsaved managed-workspace changes; this does not permit restoring a stash from another Line.
```

```
--json
```

```
Emit the complete machine-readable JSON result.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

用一个活动的 stash Snapshot 替换整个受管工作区，并保留其 stash 记录，不移动当前 Line head。当前 Line 必须是该 stash 的来源 Line。这是完整的工作区物化，不是补丁或三方合并。

ait stash pop

二进制描述： Replace the entire managed workspace with an active stash Snapshot and drop its stash record only after a successful restore, without moving the current Line head. The current Line must be the stash's source Line. This is full workspace materialization, not a patch or three-way merge.

```
Replace the entire managed workspace with an active stash Snapshot and drop its stash record only after a successful restore, without moving the current Line head. The current Line must be the stash's source Line. This is full workspace materialization, not a patch or three-way merge.
```

```
Usage: ait stash pop [OPTIONS] <STASH_ID>
```

```
Arguments:
```

```
<STASH_ID>
```

```
    Exact active stash ID created on the current Line.
```

```
Options:
```

```
--force
```

```
    Overwrite unsaved managed-workspace changes; this does not permit restoring a stash from another Line.
```

```
--json
```

```
    Emit the complete machine-readable JSON result.
```

```
-h, --help
```

```
    Print help (see a summary with '-h')
```

说明

用一个活动的 stash Snapshot 替换整个受管工作区，并仅在恢复成功后丢弃其 stash 记录，不移动当前 Line head。当前 Line 必须是该 stash 的来源 Line。这是完整的工作区物化，不是补丁或三方合并。

ait stash drop

二进制描述：Drop an active stash record without changing workspace content.

```
Drop an active stash record without changing workspace content.
```

```
Usage: ait stash drop [OPTIONS] <STASH_ID>
```

```
Arguments:
```

```
<STASH_ID>
```

```
    Exact active stash ID.
```

```
Options:
```

```
--json
```

```
    Emit the complete machine-readable JSON result.
```

```
-h, --help
```

```
    Print help
```

说明

丢弃一条活动的 stash 记录，不改变工作区内容。

参数 / 选项	说明
<STASH_ID>	确切的活动 stash ID。
--json	输出完整的机器可读 JSON 结果。
-h, --help	打印帮助

CLI • 完整 1.0.0 参考

ait change - 完整参考

在一个 Task 内创建、查看、更新、取消以及以其他方式管理 Change 的生命周期。

适用人群 coding agent 与维护者

<https://ait-native.dev/technical/v1.0.0/cli/reference/change/>

作用边界

用途： 在一个 Task 内创建、查看、更新、取消以及以其他方式管理 Change 的生命周期。

影响类别： 既读取 Change，也改动它的生命周期。

覆盖： ait change 下共 8 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait change
ait change create
ait change list
ait change show
ait change revert
ait change replay
ait change close
ait change publish
```

原样输出的 help

ait change

参考描述： 在一个 Task 内创建、查看、更新、取消以及以其他方式管理 Change 的生命周期。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

Usage: ait change <COMMAND>

Commands:

create	Create an additional Change for an existing Task.
list	List the current scope's open Changes or complete history.
show	Inspect one task-scoped Change without modifying it.
revert	Remove one Change's recorded delta from the current workspace.
replay	Apply one Change's recorded delta to the current workspace.
close	Archive one Change without landing it.
publish	Promote one local draft Change record to a remote.
help	Print this message or the help of the given subcommand(s)

Options:

-h, --help	Print help
------------	------------

说明

参数 / 选项	说明
create	为一个已有 Task 再创建一个 Change。
list	列出当前范围的开放 Change 或完整历史。
show	查看一个 Task 范围的 Change，不做修改。
revert	从当前工作区移除一个 Change 记录的增量。
replay	将一个 Change 记录的增量应用到当前工作区。
close	归档一个 Change 而不落地。

参数 / 选项	说明
publish	将一个本地草稿 Change 记录晋升到远程。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait change create

二进制描述：Create an additional Change for an existing Task.

```

Create an additional Change for an existing Task.

Usage: ait change create [OPTIONS] --title <TITLE> <TASK_ID>

Arguments:
  <TASK_ID> Existing Task ID that will own the new task-scoped Change.

Options:
  --title <TITLE>      Required title for the new Change.
  --base-line <LINE>   Base Line assertion; defaults to the bound worktree target Line, then
                        the repository default Line.
  --local              Use local Change authority even when the configured Change scope is
                        remote.
  --remote <REMOTE>    Use the named remote Change authority even when the configured Change
                        scope is local.
  --json               Emit stable machine-readable JSON.
  -h, --help           Print help

```

说明

为一个已有 Task 再创建一个 Change。

参数 / 选项	说明
<TASK_ID>	将拥有新建 Task 范围 Change 的已有 Task ID。
--title <TITLE>	新 Change 的必填标题。
--base-line <LINE>	基 Line 断言；默认为绑定 worktree 的目标 Line，其次为仓库默认 Line。
--local	即使配置的 Change 范围为远程，也使用本地 Change 权威。
--remote <REMOTE>	即使配置的 Change 范围为本地，也使用指定名称的远程 Change 权威。
--json	输出稳定的机器可读 JSON。

参数 / 选项	说明
-h, --help	打印帮助

ait change list

二进制描述：List the current scope's open Changes or complete history.

```
List the current scope's open Changes or complete history.

Usage: ait change list [OPTIONS]

Options:
  --local          List local Changes even when the configured Change scope is remote.
  --remote <REMOTE> List Changes from the named remote even when the configured Change
                    scope is local.
  --all           Show complete Change history instead of the bounded open view.
  --json          Emit stable machine-readable JSON; the bounded view still applies
                    unless --all is present.
  -h, --help      Print help
```

说明

列出当前范围的开放 Change 或完整历史。

参数 / 选项	说明
--local	即使配置的 Change 范围为远程，也列出本地 Change。
--remote <REMOTE>	即使配置的 Change 范围为本地，也从指定名称的远程列出 Change。
--all	显示完整的 Change 历史，而不是有界的开放视图。
--json	输出稳定的机器可读 JSON；除非给出 --all，有界视图仍然适用。
-h, --help	打印帮助

ait change show

二进制描述：Inspect one task-scoped Change without modifying it.

```
Inspect one task-scoped Change without modifying it.

Usage: ait change show [OPTIONS] <TASK_ID/C-##>

Arguments:
  <TASK_ID/C-##> Task-scoped Change reference; a bare C-## is accepted only when uniquely
                  resolvable.

Options:
  --local          Read local Change authority even when the configured Change scope is
                    remote.
  --remote <REMOTE> Read the named remote Change authority even when the configured Change
                    scope is local.
  --json          Emit the complete stable machine-readable Change payload.
  -h, --help      Print help
```

说明

查看一个 Task 范围的 Change，不做修改。

参数 / 选项	说明
<TASK_ID/C-##>	Task 范围的 Change 引用；裸 C-## 仅在可唯一解析时才被接受。
--local	即使配置的 Change 范围为远程，也读取本地 Change 权威。
--remote <REMOTE>	即使配置的 Change 范围为本地，也读取指定名称的远程 Change 权威。
--json	输出完整且稳定的机器可读 Change 载荷。
-h, --help	打印帮助

ait change revert

二进制描述：Remove one Change's recorded fork-to-revision delta from the current workspace. This does not create a Snapshot, move the current Line head, close the Change, or mutate remote state.

```
Remove one Change's recorded fork-to-revision delta from the current workspace. This does not
create a Snapshot, move the current Line head, close the Change, or mutate remote state.
```

```
Usage: ait change revert [OPTIONS] <TASK_ID/C-##>
```

Arguments:

```
<TASK_ID/C-##>
```

```
Task-scoped Change whose recorded delta will be removed from the workspace.
```

Options:

```
--force
```

```
Overwrite unsaved changes on paths selected by the Change delta.
```

```
--dry-run
```

```
Preview affected paths and overwrite risk without modifying the workspace.
```

```
--local
```

```
Resolve Change lineage locally even when the configured Change scope is remote.
```

```
--remote <REMOTE>
```

```
Resolve Change lineage from the named remote; workspace mutation remains local.
```

```
--json
```

```
Emit the complete stable machine-readable workspace plan or result.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

从当前工作区移除一个 Change 记录的自分支点到修订版的增量。此操作不会创建 Snapshot、移动当前 Line head、关闭该 Change，也不会改动远程状态。

ait change replay

二进制描述：Apply one Change's recorded fork-to-revision delta to the current Line workspace. This does not create a Snapshot, move the Line head, land the Change, or mutate remote state.

```
Apply one Change's recorded fork-to-revision delta to the current Line workspace. This does not
create a Snapshot, move the Line head, land the Change, or mutate remote state.
```

```
Usage: ait change replay [OPTIONS] <TASK_ID/C-##>
```

Arguments:

```
<TASK_ID/C-##>
```

```
Task-scoped Change whose recorded delta will be applied to the workspace.
```

Options:

```
--force
```

```
Overwrite unsaved changes on paths selected by the Change delta.
```

```
--dry-run
```

```
Preview affected paths and overwrite risk without modifying the workspace.
```

```
--local
```

```
Resolve Change lineage locally even when the configured Change scope is remote.
```

```
--remote <REMOTE>
```

```
Resolve Change lineage from the named remote; workspace mutation remains local.
```

```
--json
```

```
Emit the complete stable machine-readable workspace plan or result.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

将一个 Change 记录的自分支点到修订版的增量应用到当前 Line 工作区。此操作不会创建 Snapshot、移动 Line head、落地该 Change，也不会改动远程状态。

ait change close

二进制描述: Archive one Change in the selected scope without landing code. A successful close also attempts bounded safe-only Plan reconciliation for the owning Task.

```
Archive one Change in the selected scope without landing code. A successful close also attempts
bounded safe-only Plan reconciliation for the owning Task.
```

```
Usage: ait change close [OPTIONS] <TASK_ID/C-##>
```

Arguments:

```
<TASK_ID/C-##>
    Task-scoped Change to archive without landing.
```

Options:

```
--local
    Archive local Change authority even when the configured Change scope is remote.

--remote <REMOTE>
    Archive Change authority on the named remote even when the configured scope is local.

--json
    Emit the complete stable machine-readable closeout payload.

-h, --help
    Print help (see a summary with '-h')
```

说明

在所选范围内归档一个 Change 而不落地代码。成功关闭后还会为所属 Task 尝试一次有界的仅安全 Plan 调和。

ait change publish

二进制描述: Promote one local draft Change record to the configured or named remote. This does not publish a Patchset, publish current workspace content, or land the Change.

```
Promote one local draft Change record to the configured or named remote. This does not publish a
Patchset, publish current workspace content, or land the Change.
```

```
Usage: ait change publish [OPTIONS] <TASK_ID/C-##>
```

Arguments:

```
<TASK_ID/C-##>
    Local task-scoped draft Change to promote.
```

Options:

```
--remote <REMOTE>
    Destination remote; omitted uses the repository default remote.

--json
    Emit the complete stable machine-readable publication payload.

-h, --help
    Print help (see a summary with '-h')
```

说明

将一个本地草稿 Change 记录晋升到配置的或指定名称的远程。此操作不会发布 Patchset、发布当前工作区内容，也不会落地该 Change。

CLI • 完整 1.0.0 参考

ait snapshot - 完整参考

创建并查看不可变的仓库状态，遍历它的父级历史，并重放或恢复已记录的内容。

适用人群 coding agent 与维护者

<https://ait-native.dev/technical/v1.0.0/cli/reference/snapshot/>

作用边界

用途：创建并查看不可变的仓库状态，遍历它的父级历史，并重放或恢复已记录的内容。

影响类别：create 记录不可变状态；revert、replay 以及与 restore 相关的操作会按说明改变当前的本地状态。

覆盖：ait snapshot 下共 11 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait snapshot
ait snapshot create
ait snapshot list
ait snapshot show
ait snapshot diff
ait snapshot restore-lines
ait snapshot revert
ait snapshot replay
ait snapshot ancestry
ait snapshot is-ancestor
ait snapshot merge-base
```

原样输出的 help

ait snapshot

二进制描述：Create, inspect, compare, and query immutable local Snapshots. Snapshot create advances the current Line head; restore-lines, revert, and replay modify only the current workspace and never create a Snapshot, move a Line head, or mutate remote authority.

```
Create, inspect, compare, and query immutable local Snapshots. Snapshot create advances the
current Line head; restore-lines, revert, and replay modify only the current workspace and
never create a Snapshot, move a Line head, or mutate remote authority.
```

```
Usage: ait snapshot <COMMAND>
```

```
Commands:
```

create	Capture the managed workspace as a new Snapshot.
list	List repository-wide local Snapshot history.
show	Inspect one immutable local Snapshot.
diff	Compare two immutable local Snapshots.
restore-lines	Preview or apply an exact line range from one Snapshot into the workspace.
revert	Remove the current head Snapshot's recorded delta from the workspace.
replay	Apply one Snapshot's recorded delta to the current Line workspace.
ancestry	Query bounded Snapshot ancestors or descendants using metadata-only DAG
traversal.	
is-ancestor	Test DAG ancestry; exits 0 when true, 1 when false, and 2 on lookup or storage
errors.	
merge-base	Find the deterministic best common Snapshot ancestor.
help	Print this message or the help of the given subcommand(s)

```
Options:
```

```
-h, --help
    Print help (see a summary with '-h')
```

说明

创建、查看、比较和查询不可变的本地 Snapshot。Snapshot create 会推进当前 Line head；restore-lines、revert 和 replay 只修改当前工作区，绝不会创建 Snapshot、移动 Line head 或改动远程权威。

参数 / 选项	说明
create	将受管工作区捕获为一个新 Snapshot。
list	列出仓库范围的本地 Snapshot 历史。
show	查看一个不可变的本地 Snapshot。
diff	比较两个不可变的本地 Snapshot。
restore-lines	预览或将一个 Snapshot 中确切的行范围应用到工作区。
revert	从工作区移除当前 head Snapshot 记录的增量。

参数 / 选项	说明
replay	将一个 Snapshot 记录的增量应用到当前 Line 工作区。
ancestry	使用仅元数据的 DAG 遍历查询有界的 Snapshot 祖先或后代。
is-ancestor	测试 DAG 祖先关系；为真时退出码 0，为假时 1，查询或存储错误时 2。
merge-base	查找确定性的最佳公共 Snapshot 祖先。
help	打印本消息或给定子命令的帮助

ait snapshot create

二进制描述：Capture the projected managed workspace as a new immutable local Snapshot and advance the current Line head. This command does not publish remote state.

```
Capture the projected managed workspace as a new immutable local Snapshot and advance the
current Line head. This command does not publish remote state.
```

```
Usage: ait snapshot create [OPTIONS]
```

```
Options:
```

```
--message <MESSAGE>
    Record an optional human-readable Snapshot message.

--json
    Emit the complete stable machine-readable creation payload.
```

```
-h, --help
    Print help (see a summary with '-h')
```

说明

将投影后的受管工作区捕获为一个新的不可变本地 Snapshot，并推进当前 Line head。此命令不会发布远程状态。

ait snapshot list

二进制描述：List local Snapshots across every Line without modifying repository state. Text and JSON output are bounded to the recent view by default; --all emits complete history.

```
List local Snapshots across every Line without modifying repository state. Text and JSON output
are bounded to the recent view by default; --all emits complete history.
```

```
Usage: ait snapshot list [OPTIONS]
```

```
Options:
```

```
--all
    Show complete Snapshot history instead of the bounded recent text or JSON view.

--json
    Emit the stable machine-readable Snapshot list.
```

```
-h, --help
    Print help (see a summary with '-h')
```

说明

跨所有 Line 列出本地 Snapshot，不修改仓库状态。文本和 JSON 输出默认有界于最近视图；--all 输出完整历史。

ait snapshot show

二进制描述：Inspect one Snapshot resolved from an exact Snapshot ID or local AIT Tag. Default text includes identity and bounded primary-parent change evidence; --files expands the complete tree inventory. JSON is always complete.

```
Inspect one Snapshot resolved from an exact Snapshot ID or local AIT Tag. Default text includes identity and bounded primary-parent change evidence; --files expands the complete tree inventory. JSON is always complete.
```

```
Usage: ait snapshot show [OPTIONS] <SNAPSHOT_OR_TAG>
```

Arguments:

```
<SNAPSHOT_OR_TAG>
```

```
Exact immutable Snapshot ID or local AIT Tag to inspect.
```

Options:

```
--files
```

```
Show the complete Snapshot tree inventory in text output; JSON is always complete.
```

```
--json
```

```
Emit the complete stable machine-readable Snapshot payload.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

查看一个由确切 Snapshot ID 或本地 AIT Tag 解析出的 Snapshot。默认文本包含身份信息和有界的主父级变更证据；--files 展开完整的树清单。JSON 始终是完整的。

ait snapshot diff

二进制描述：Compare two Snapshots resolved from exact Snapshot IDs or local AIT Tags. Structural file changes are reported by default; --include-text adds bounded text diffs for eligible modified files. This command is read-only.

```
Compare two Snapshots resolved from exact Snapshot IDs or local AIT Tags. Structural file changes are reported by default; --include-text adds bounded text diffs for eligible modified files. This command is read-only.
```

```
Usage: ait snapshot diff [OPTIONS] <OLD_SNAPSHOT_OR_TAG> <NEW_SNAPSHOT_OR_TAG>
```

Arguments:

```
<OLD_SNAPSHOT_OR_TAG>
```

```
Exact Snapshot ID or local AIT Tag for the old side.
```

```
<NEW_SNAPSHOT_OR_TAG>
```

```
Exact Snapshot ID or local AIT Tag for the new side.
```

Options:

```
--include-text
```

```
Include bounded line-oriented text diffs for eligible modified files.
```

```
--max-bytes <BYTES>
```

```
Maximum old or new file size admitted for text diff generation; requires --include-text.
```

```
[default: 128000]
```

```
--json
```

```
Emit the complete stable machine-readable diff payload.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

比较两个由确切 Snapshot ID 或本地 AIT Tag 解析出的 Snapshot。默认报告结构性文件变更；--include-text 为符合条件的已修改文件附加有界文本 diff。此命令为只读。

ait snapshot restore-lines

二进制描述: Read one exact immutable Snapshot ID and preview replacement of the same existing regular workspace path at one positive 1-based line or inclusive range. Only --yes applies the selected lines; the command never creates a Snapshot or moves a Line head.

```
Read one exact immutable Snapshot ID and preview replacement of the same existing regular
workspace path at one positive 1-based line or inclusive range. Only --yes applies the
selected lines; the command never creates a Snapshot or moves a Line head.

Usage: ait snapshot restore-lines <SNAPSHOT_ID> <PATH> [--line <N> | --start <N> --end <N>)
[--yes] [--json]

Arguments:
  <SNAPSHOT_ID>
    Exact immutable Snapshot ID to read line content from.

  <PATH>
    Existing regular workspace file to update.

Options:
  --line <LINE>
    Select one 1-based workspace line.

  --start <START_LINE>
    Start of one inclusive 1-based line range.

  --end <END_LINE>
    End of one inclusive 1-based line range.

  --yes
    Apply the selected Snapshot lines; omission is always a read-only preview.

  --json
    Emit the complete stable machine-readable preview or apply result.

-h, --help
    Print help (see a summary with '-h')
```

说明

读取一个确切的不可变 Snapshot ID，并预览在同一已存在的常规工作区路径上按正的 1 起始行号或闭区间范围进行替换。只有 --yes 才会应用所选行；此命令绝不会创建 Snapshot 或移动 Line head。

ait snapshot revert

二进制描述: Remove one Line Snapshot's primary-parent-to-revision delta from the current workspace. The requested Snapshot must be the current Line head. This does not create a Snapshot, move the current Line head, or mutate remote state.

```
Remove one Line Snapshot's primary-parent-to-revision delta from the current workspace. The
requested Snapshot must be the current Line head. This does not create a Snapshot, move the
current Line head, or mutate remote state.

Usage: ait snapshot revert [OPTIONS] <SNAPSHOT_OR_TAG>

Arguments:
  <SNAPSHOT_OR_TAG>
    Current Line head Snapshot, identified by exact ID or local AIT Tag.

Options:
  --force
    Overwrite unsaved changes on paths selected by the Snapshot delta.

  --dry-run
    Preview affected paths and overwrite risk without modifying the workspace.

  --json
    Emit the complete stable machine-readable workspace plan or result.

-h, --help
    Print help (see a summary with '-h')
```

说明

从当前工作区移除一个 Line Snapshot 的自主父级到修订版的增量。请求的 Snapshot 必须是当前 Line head。此操作不会创建 Snapshot、移动当前 Line head，也不会改动远程状态。

ait snapshot replay

二进制描述：Apply one non-root Line Snapshot's primary-parent-to-revision delta to the current Line workspace. This does not create a Snapshot, move the current Line head, or mutate remote state.

```
Apply one non-root Line Snapshot's primary-parent-to-revision delta to the current Line workspace. This does not create a Snapshot, move the current Line head, or mutate remote state.
```

```
Usage: ait snapshot replay [OPTIONS] <SNAPSHOT_OR_TAG>
```

Arguments:

```
<SNAPSHOT_OR_TAG>
```

```
Non-root Snapshot whose recorded delta will be applied to the workspace.
```

Options:

```
--force
```

```
Overwrite unsaved changes on paths selected by the Snapshot delta.
```

```
--dry-run
```

```
Preview affected paths and overwrite risk without modifying the workspace.
```

```
--json
```

```
Emit the complete stable machine-readable workspace plan or result.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

将一个非根 Line Snapshot 的自主父级到修订版的增量应用到当前 Line 工作区。此操作不会创建 Snapshot、移动当前 Line head，也不会改动远程状态。

ait snapshot ancestry

二进制描述：Query deterministic topological Snapshot ancestry resolved from an exact Snapshot ID or local AIT Tag. Ancestors across all parents are the default; direction, first-parent traversal, depth, and result bounds are explicit. The query Snapshot itself is excluded.

```

Query deterministic topological Snapshot ancestry resolved from an exact Snapshot ID or local
AIT Tag. Ancestors across all parents are the default; direction, first-parent traversal,
depth, and result bounds are explicit. The query Snapshot itself is excluded.

Usage: ait snapshot ancestry [OPTIONS] <SNAPSHOT_OR_TAG>

Arguments:
  <SNAPSHOT_OR_TAG>
    Exact Snapshot ID or local AIT Tag at the query boundary.

Options:
  --ancestors
    Traverse ancestors; this is the default direction.

  --descendants
    Traverse descendants instead of ancestors.

  --first-parent
    Follow only ordinal-zero parent edges instead of all parents.

  --max-depth <DEPTH>
    Stop traversal after this positive edge depth.

    [default: 10000]

  --limit <COUNT>
    Admit at most this positive number of results.

    [default: 10000]

  --all
    Show every result admitted by --limit in text output instead of the nearest 20; JSON
    already includes every admitted result.

  --json
    Emit the complete stable machine-readable bounded query payload.

-h, --help
    Print help (see a summary with '-h')

```

说明

查询由确切 Snapshot ID 或本地 AIT Tag 解析出的确定性拓扑 Snapshot 祖先关系。默认跨全部父级查询祖先；方向、第一父级遍历、深度和结果上界都需显式指定。查询的 Snapshot 本身不包含在结果中。

ait snapshot is-ancestor

二进制描述：Test whether one Snapshot is reachable as an ancestor of another across the complete parent DAG. Each input accepts an exact Snapshot ID or local AIT Tag. The command exits 0 when true, 1 when false, and 2 on lookup or storage errors.

```

Test whether one Snapshot is reachable as an ancestor of another across the complete parent DAG.
Each input accepts an exact Snapshot ID or local AIT Tag. The command exits 0 when true, 1
when false, and 2 on lookup or storage errors.

Usage: ait snapshot is-ancestor [OPTIONS] <OLDER_SNAPSHOT_OR_TAG> <NEWER_SNAPSHOT_OR_TAG>

Arguments:
  <OLDER_SNAPSHOT_OR_TAG>
    Candidate ancestor, identified by exact Snapshot ID or local AIT Tag.

  <NEWER_SNAPSHOT_OR_TAG>
    Candidate descendant, identified by exact Snapshot ID or local AIT Tag.

Options:
  --json
    Emit the stable machine-readable ancestry decision and distance.

-h, --help
    Print help (see a summary with '-h')

```

说明

测试一个 Snapshot 是否在完整父级 DAG 中作为另一个 Snapshot 的祖先可达。每个输入接受确切的 Snapshot ID 或本地 AIT Tag。为真时命令退出码为 0，为假时 1，查询或存储错误时 2。

ait snapshot merge-base

二进制描述：Find the best common ancestor of two Snapshots resolved from exact Snapshot IDs or local AIT Tags. The default emits one deterministic best base; --all emits every equally best base. The command exits 0 when a base exists, 1 when none exists, and 2 on lookup or storage errors.

```
Find the best common ancestor of two Snapshots resolved from exact Snapshot IDs or local AIT
Tags. The default emits one deterministic best base; --all emits every equally best base. The
command exits 0 when a base exists, 1 when none exists, and 2 on lookup or storage errors.
```

```
Usage: ait snapshot merge-base [OPTIONS] <LEFT_SNAPSHOT_OR_TAG> <RIGHT_SNAPSHOT_OR_TAG>
```

Arguments:

```
<LEFT_SNAPSHOT_OR_TAG>
```

Left Snapshot, identified by exact ID or local AIT Tag.

```
<RIGHT_SNAPSHOT_OR_TAG>
```

Right Snapshot, identified by exact ID or local AIT Tag.

Options:

```
--all
```

Emit every equally best common ancestor in deterministic order.

```
--json
```

Emit the complete stable machine-readable merge-base result.

```
-h, --help
```

Print help (see a summary with '-h')

说明

查找两个由确切 Snapshot ID 或本地 AIT Tag 解析出的 Snapshot 的最佳公共祖先。默认输出一个确定性的最佳基点；--all 输出所有并列最佳的基点。存在基点时命令退出码为 0，不存在时为 1，查询或存储错误时为 2。

[CLI • 完整 1.0.0 参考](#)

ait tag - 完整参考

创建、查看、列出并删除指向已记录状态的本地 AIT Tag 引用。

适用人群 开发者与发布运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/tag/>

作用边界

用途：创建、查看、列出并删除指向已记录状态的本地 AIT Tag 引用。

影响类别：改动 Tag 引用，同时提供只读的 list 和 show 操作。

覆盖：ait tag 下共 5 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait tag
ait tag create
ait tag list
ait tag show
ait tag delete
```

原样输出的 help

ait tag

二进制描述：Create, inspect, list, and delete local-only AIT Tags that name exact Snapshots. An existing Tag binding cannot be retargeted, and deleting a Tag never deletes its Snapshot.

Create, inspect, list, and delete local-only AIT Tags that name exact Snapshots. An existing Tag binding cannot be retargeted, and deleting a Tag never deletes its Snapshot.

Usage: ait tag <COMMAND>

Commands:

```
create  Create a local Tag; existing names are rejected.
list    List all local Tags without changing repository state.
show    Show one exact local Tag without changing repository state.
delete  Delete only one local Tag reference.
help    Print this message or the help of the given subcommand(s)
```

Options:

```
-h, --help
        Print help (see a summary with '-h')
```

说明

创建、查看、列出和删除指向确切 Snapshot 的仅本地 AIT Tag。已存在的 Tag 绑定不能改指其他目标，删除 Tag 也绝不会删除其 Snapshot。

参数 / 选项	说明
create	创建一个本地 Tag；已存在的名称会被拒绝。
list	列出所有本地 Tag，不改变仓库状态。
show	显示一个确切的本地 Tag，不改变仓库状态。
delete	仅删除一个本地 Tag 引用。
help	打印本消息或给定子命令的帮助

ait tag create

二进制描述: Create one local AIT Tag for an exact existing Snapshot. When --snapshot is omitted, the current Line head is used. An existing Tag name is always rejected and cannot be replaced or moved.

```
Create one local AIT Tag for an exact existing Snapshot. When --snapshot is omitted, the current
Line head is used. An existing Tag name is always rejected and cannot be replaced or moved.

Usage: ait tag create [OPTIONS] --message <MESSAGE> <NAME>

Arguments:
  <NAME>
    New local Tag name; an existing name is rejected.

Options:
  --snapshot <SNAPSHOT_ID>
    Exact existing local Snapshot ID; defaults to the current Line head.

  --message <MESSAGE>
    Required non-empty, single-line reason for creating the Tag.

  --json
    Emit the created Tag as stable JSON.

-h, --help
    Print help (see a summary with '-h')
```

说明

为一个确切的已有 Snapshot 创建一个本地 AIT Tag。省略 --snapshot 时使用当前 Line head。已存在的 Tag 名称始终会被拒绝，不能替换或移动。

ait tag list

二进制描述: List all local Tags without changing repository state.

```
List all local Tags without changing repository state.

Usage: ait tag list [OPTIONS]

Options:
  --json  Emit the complete local Tag list as stable JSON.
  -h, --help  Print help
```

说明

列出所有本地 Tag，不改变仓库状态。

参数 / 选项	说明
--json	以稳定 JSON 输出完整的本地 Tag 列表。
-h, --help	打印帮助

ait tag show

二进制描述: Show one exact local Tag without changing repository state.

```
Show one exact local Tag without changing repository state.

Usage: ait tag show [OPTIONS] <NAME>

Arguments:
  <NAME>  Exact local Tag name to inspect.

Options:
  --json  Emit the Tag record as stable JSON.
  -h, --help  Print help
```

说明

显示一个确切的本地 Tag，不改变仓库状态。

参数 / 选项	说明
<NAME>	要查看的确切本地 Tag 名称。
--json	以稳定 JSON 输出该 Tag 记录。
-h, --help	打印帮助

ait tag delete

二进制描述：Delete one exact local AIT Tag reference. The referenced Snapshot, Line heads, and workspace content remain unchanged.

```
Delete one exact local AIT Tag reference. The referenced Snapshot, Line heads, and workspace
content remain unchanged.
```

```
Usage: ait tag delete [OPTIONS] <NAME>
```

```
Arguments:
```

```
<NAME>
```

```
    Exact local Tag name to delete.
```

```
Options:
```

```
--json
```

```
    Emit the deleted Tag record as stable JSON.
```

```
-h, --help
```

```
    Print help (see a summary with '-h')
```

说明

删除一个确切的本地 AIT Tag 引用。被引用的 Snapshot、各 Line head 和工作区内容保持不变。

CLI • 完整 1.0.0 参考

ait patchset - 完整参考

发布并查看 Change 候选，选定当前候选，并管理它的 CI 请求状态。

适用人群 coding agent 与 CI 运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/patchset/>

作用边界

用途：发布并查看 Change 候选，选定当前候选，并管理它的 CI 请求状态。

影响类别：改动远程候选、当前选定和 CI 状态，同时提供只读的查看操作。

覆盖：ait patchset 下共 7 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait patchset
ait patchset publish
ait patchset list
ait patchset show
ait patchset select
ait patchset ci-status
ait patchset rerun-ci
```

原样输出的 help

ait patchset

二进制描述：Publish the current local Line head as a remote Change revision, inspect or select exact published Patchsets, and read or manually rerun their remote CI. Patchsets have remote authority only; --remote selects a configured remote and there is no local Patchset mode.

```

Publish the current local Line head as a remote Change revision, inspect or select exact
published Patchsets, and read or manually rerun their remote CI. Patchsets have remote
authority only; --remote selects a configured remote and there is no local Patchset mode.

Usage: ait patchset <COMMAND>

Commands:
  publish  Publish the current Line head as a new remote Patchset.
  list     List the published Patchsets owned by one remote Change without modifying it.
  show     Show one exact published remote Patchset without modifying it.
  select   Select one exact Patchset on its owning remote Change.
  ci-status Read CI state for one exact remote Patchset.
  rerun-ci Queue a manual CI rerun for one exact remote Patchset.
  help     Print this message or the help of the given subcommand(s)

Options:
  -h, --help          Print help (see a summary with '-h')
```

说明

将当前本地 Line head 发布为远程 Change 修订版，查看或选定确切的已发布 Patchset，并读取或手动重跑其远程 CI。Patchset 只有远程权威；--remote 选择一个已配置的远程，不存在本地 Patchset 模式。

参数 / 选项	说明
publish	将当前 Line head 发布为一个新的远程 Patchset。
list	列出一个远程 Change 拥有的已发布 Patchset, 不做修改。
show	显示一个确切的已发布远程 Patchset, 不做修改。
select	在其所属远程 Change 上选定一个确切的 Patchset。
ci-status	读取一个确切远程 Patchset 的 CI 状态。
rerun-ci	为一个确切的远程 Patchset 排队一次手动 CI 重跑。

参数 / 选项	说明
help	打印本消息或给定子命令的帮助

ait patchset publish

二进制描述: Publish the current local Line head as the next Patchset for CHANGE_ID after validating the bound worktree and synchronizing its revision Snapshot to the selected remote. --summary is required; --author-mode overrides the configured provenance mode for this publication only.

```
    Publish the current local Line head as the next Patchset for CHANGE_ID after validating the
    bound worktree and synchronizing its revision Snapshot to the selected remote. --summary is
    required; --author-mode overrides the configured provenance mode for this publication only.
```

```
Usage: ait patchset publish [OPTIONS] --summary <SUMMARY> <CHANGE_ID>
```

Arguments:

<CHANGE_ID>

Exact remote Change ID that will own the new Patchset.

Options:

--summary <SUMMARY>

Required human-readable summary of this published revision.

--author-mode <MODE>

Override provenance mode for this publication; otherwise use configured default_author_mode.

[possible values: human_only, human_with_ai_assist, ai_with_human_review, ai_only_experimental]

--remote <REMOTE>

Configured remote name; defaults to the repository's default remote.

--json

Emit the complete publication result as stable JSON.

-h, --help

Print help (see a summary with '-h')

说明

在校验绑定的 worktree 并把其修订 Snapshot 同步到所选远程之后, 将当前本地 Line head 发布为 CHANGE_ID 的下一个 Patchset. --summary 为必填; --author-mode 仅对本次发布覆盖配置的来源模式。

ait patchset list

二进制描述: List the published Patchsets owned by one remote Change without modifying it.


```
List the published Patchsets owned by one remote Change without modifying it.

Usage: ait patchset list [OPTIONS] <CHANGE_ID>

Arguments:
  <CHANGE_ID>  Exact remote Change ID whose published Patchsets will be listed.

Options:
  --remote <REMOTE>  Configured remote name; defaults to the repository's default remote.
  --json             Emit the complete Patchset list as stable JSON.
  -h, --help         Print help
```

说明

列出一个远程 Change 拥有的已发布 Patchset，不做修改。

参数 / 选项	说明
<CHANGE_ID>	要列出其已发布 Patchset 的确切远程 Change ID。
--remote <REMOTE>	已配置的远程名称；默认使用仓库的默认远程。
--json	以稳定 JSON 输出完整的 Patchset 列表。
-h, --help	打印帮助

ait patchset show

二进制描述：Show one exact published remote Patchset without modifying it.

```
Show one exact published remote Patchset without modifying it.

Usage: ait patchset show [OPTIONS] <PATCHSET_ID>

Arguments:
  <PATCHSET_ID>  Complete published Patchset ID; bare numeric ordinals are rejected.

Options:
  --remote <REMOTE>  Configured remote name; defaults to the repository's default remote.
  --json             Emit the complete Patchset record as stable JSON.
  -h, --help         Print help
```

说明

显示一个确切的已发布远程 Patchset，不做修改。

参数 / 选项	说明
<PATCHSET_ID>	完整的已发布 Patchset ID；不接受裸数字序号。
--remote <REMOTE>	已配置的远程名称；默认使用仓库的默认远程。
--json	以稳定 JSON 输出完整的 Patchset 记录。
-h, --help	打印帮助

ait patchset select

二进制描述：Read the exact Patchset first, derive its owning Change from remote authority, then make that Patchset the Change's selected revision. The owning Change cannot be supplied or overridden by the caller.

```
Read the exact Patchset first, derive its owning Change from remote authority, then make that
Patchset the Change's selected revision. The owning Change cannot be supplied or overridden by
the caller.
```

```
Usage: ait patchset select [OPTIONS] <PATCHSET_ID>
```

```
Arguments:
```

```
<PATCHSET_ID>
```

```
Complete published Patchset ID; its owning Change is derived remotely.
```

```
Options:
```

```
--remote <REMOTE>
```

```
Configured remote name; defaults to the repository's default remote.
```

```
--json
```

```
Emit the complete selection result as stable JSON.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

先读取确切的 Patchset，再从远程权威推导其所属 Change，然后将该 Patchset 设为该 Change 的选定修订版。所属 Change 不能由调用方提供或覆盖。

ait patchset ci-status

二进制描述：Read current CI readiness and a fixed bounded history of the 10 most recent CI jobs for one exact published Patchset without modifying remote authority.

```
Read current CI readiness and a fixed bounded history of the 10 most recent CI jobs for one
exact published Patchset without modifying remote authority.
```

```
Usage: ait patchset ci-status [OPTIONS] <PATCHSET_ID>
```

```
Arguments:
```

```
<PATCHSET_ID>
```

```
Complete published Patchset ID; bare numeric ordinals are rejected.
```

```
Options:
```

```
--remote <REMOTE>
```

```
Configured remote name; defaults to the repository's default remote.
```

```
--json
```

```
Emit the complete CI status and fixed recent-job window as stable JSON.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

读取一个确切已发布 Patchset 的当前 CI 就绪状态，以及固定有界的最近 10 个 CI 作业历史，不修改远程权威。

ait patchset rerun-ci

二进制描述：Queue CI for one exact published Patchset using the fixed trigger manual_rerun. Runner selection and execution profiles remain server policy and cannot be overridden here.

```
Queue CI for one exact published Patchset using the fixed trigger manual_rerun. Runner selection and execution profiles remain server policy and cannot be overridden here.
```

```
Usage: ait patchset rerun-ci [OPTIONS] <PATCHSET_ID>
```

```
Arguments:
```

```
<PATCHSET_ID>
```

```
Complete published Patchset ID to enqueue for a manual rerun.
```

```
Options:
```

```
--remote <REMOTE>
```

```
Configured remote name; defaults to the repository's default remote.
```

```
--json
```

```
Emit the complete queued-run result as stable JSON.
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

使用固定触发器 `manual_rerun` 为一个确切的已发布 Patchset 排队 CI。runner 选择与执行配置仍由服务器策略决定，此处不可覆盖。

CLI • 完整 1.0.0 参考

ait review - 完整参考

为选定的 Patchset 请求、查看并记录评审决定。

适用人群 评审者、coding agent 与维护者

<https://ait-native.dev/technical/v1.0.0/cli/reference/review/>

作用边界

用途：为选定的 Patchset 请求、查看并记录评审决定。

影响类别：改动并查看远程评审流程。

覆盖：ait review 下共 16 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait review
ait review show
ait review team
ait review team request
ait review team approve
ait review team request-changes
ait review team comment
ait review team defer
ait review task
ait review task approve
ait review task request-changes
ait review task comment
ait review task defer
ait review code
ait review code submit
ait review code template
```

原样输出的 help

ait review

二进制描述：Inspect remote Review state and record team, human Task, or AI code-review evidence.

```
Inspect remote Review state and record team, human Task, or AI code-review evidence.

Usage: ait review <COMMAND>

Commands:
  show  Show compact remote Review state for one Change.
  team  Manage team governance review; admitted only in team_remote mode.
  task  Record human functional Task review using only configured user_name.
  code  Generate or submit structured AI code-review evidence attributed to the executing app.
  help  Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

查看远程 Review 状态，并记录团队、人工 Task 或 AI 代码评审证据。

参数 / 选项	说明
show	显示一个 Change 的紧凑远程 Review 状态。
team	管理团队治理评审；仅在 team_remote 模式下被接纳。
task	仅使用配置的 user_name 记录人工功能性 Task 评审。
code	生成或提交归属于执行方应用的结构化 AI 代码评审证据。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait review show

二进制描述：Show compact remote Review state for one Change.

```
Show compact remote Review state for one Change.

Usage: ait review show [OPTIONS] <CHANGE_ID>

Arguments:
  <CHANGE_ID>  Remote Change ID or admitted Change reference to inspect.

Options:
  --remote <REMOTE>  Configured remote name; defaults to the repository's default remote.
  --json             Emit the compact stable machine-readable Review projection.
  -h, --help         Print help
```

说明

显示一个 Change 的紧凑远程 Review 状态。

参数 / 选项	说明
<CHANGE_ID>	要查看的远程 Change ID 或已接纳的 Change 引用。
--remote <REMOTE>	已配置的远程名称；默认使用仓库的默认远程。
--json	输出紧凑且稳定的机器可读 Review 投影。
-h, --help	打印帮助

ait review team

二进制描述：Manage team governance review; admitted only in team_remote mode.

```
Manage team governance review; admitted only in team_remote mode.

Usage: ait review team <COMMAND>

Commands:
  request
  approve
  request-changes
  comment
  defer
  help          Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

管理团队治理评审；仅在 team_remote 模式下被接纳。

参数 / 选项	说明
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait review team request

参考描述： 向一个或多个确切的评审组请求团队评审。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait review team request [OPTIONS] --group <REVIEWER_GROUPS> <CHANGE_ID>

Arguments:
  <CHANGE_ID>

Options:
  --group <REVIEWER_GROUPS>
  --patchset <PATCHSET_ID>
  --note <NOTE>
  --remote <REMOTE>
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait review team approve

参考描述： 为选定的 Change 记录一次团队评审通过。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait review team approve [OPTIONS] <CHANGE_ID>

Arguments:
  <CHANGE_ID>

Options:
  --reviewer <REVIEWER>
  --patchset <PATCHSET_ID>
  --message <MESSAGE>
  --remote <REMOTE>
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait review team request-changes

参考描述： 在选定的 Change 上记录一次团队评审的修改请求。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait review team request-changes [OPTIONS] <CHANGE_ID>

Arguments:
  <CHANGE_ID>

Options:
  --reviewer <REVIEWER>
  --patchset <PATCHSET_ID>
  --message <MESSAGE>
  --remote <REMOTE>
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait review team comment

参考描述：在选定的 Change 上记录一条不带决定的团队评审意见。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait review team comment [OPTIONS] <CHANGE_ID>

Arguments:
  <CHANGE_ID>

Options:
  --reviewer <REVIEWER>
  --patchset <PATCHSET_ID>
  --message <MESSAGE>
  --remote <REMOTE>
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait review team defer

参考描述：推迟选定 Change 当前的团队评审决定。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait review team defer [OPTIONS] <CHANGE_ID>

Arguments:
  <CHANGE_ID>

Options:
  --reviewer <REVIEWER>
  --patchset <PATCHSET_ID>
  --message <MESSAGE>
  --remote <REMOTE>
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait review task

二进制描述：Record human functional Task review using only configured user_name.

```
Record human functional Task review using only configured user_name.

Usage: ait review task <COMMAND>

Commands:
  approve      Approve one exact Patchset after functional validation; task_review=required
               only.
  request-changes
  comment
  defer
  help          Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

仅使用配置的 user_name 记录人工功能性 Task 评审。

参数 / 选项	说明
approve	在功能验证后批准一个确切的 Patchset; 仅限 task_review=required。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait review task approve

二进制描述: Approve one exact Patchset after functional validation; task_review=required only.

```
Approve one exact Patchset after functional validation; task_review=required only.

Usage: ait review task approve [OPTIONS] --patchset <PATCHSET_ID> --message <MESSAGE>
      <CHANGE_ID>

Arguments:
  <CHANGE_ID>  Remote Change that owns the functionally validated Patchset.

Options:
  --patchset <PATCHSET_ID> Complete published Patchset ID whose functionality was
                             validated; numeric repo-scoped refs are rejected.
  --message <MESSAGE>       Non-empty functional-validation evidence from the configured
                             user_name.
  --remote <REMOTE>         Configured remote name; defaults to the repository's default
                             remote.
  --json                    Emit the recorded Task approval as stable JSON.
  -h, --help                Print help
```

说明

在功能验证后批准一个确切的 Patchset; 仅限 task_review=required。

参数 / 选项	说明
<CHANGE_ID>	拥有该经功能验证的 Patchset 的远程 Change。
--patchset <PATCHSET_ID>	功能已经过验证的完整已发布 Patchset ID; 不接受仓库范围的数字引用。
--message <MESSAGE>	来自配置的 user_name 的非空功能验证证据。
--remote <REMOTE>	已配置的远程名称; 默认使用仓库的默认远程。
--json	以稳定 JSON 输出已记录的 Task 批准。
-h, --help	打印帮助

ait review task request-changes

参考描述: 在选定的 Change 上记录一次 task 范围的修改请求。

1.0.0 二进制没有为这个 surface 单独给出描述, 上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项, 未作改动。


```
Usage: ait review task request-changes [OPTIONS] <CHANGE_ID>
```

```
Arguments:
  <CHANGE_ID>
```

```
Options:
  --patchset <PATCHSET_ID>
  --message <MESSAGE>
  --remote <REMOTE>
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait review task comment

参考描述：在选定的 Change 上记录一条不带决定的 task 范围评审意见。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait review task comment [OPTIONS] <CHANGE_ID>
```

```
Arguments:
  <CHANGE_ID>
```

```
Options:
  --patchset <PATCHSET_ID>
  --message <MESSAGE>
  --remote <REMOTE>
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait review task defer

参考描述：推迟选定 Change 当前的 task 范围评审决定。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait review task defer [OPTIONS] <CHANGE_ID>
```

```
Arguments:
  <CHANGE_ID>
```

```
Options:
  --patchset <PATCHSET_ID>
  --message <MESSAGE>
  --remote <REMOTE>
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait review code

二进制描述：Generate or submit structured AI code-review evidence attributed to the executing app.

```
Generate or submit structured AI code-review evidence attributed to the executing app.
```

```
Usage: ait review code <COMMAND>
```

Commands:

```
submit    Submit the implicit pass outcome for one exact, fully inspected Patchset.
template  Print the required structured AI code-review summary template locally.
help      Print this message or the help of the given subcommand(s)
```

Options:

```
-h, --help  Print help
```

说明

生成或提交归属于执行方应用的结构化 AI 代码评审证据。

参数 / 选项	说明
submit	为一个确切且已完整检视的 Patchset 提交隐式通过结果。
template	在本地打印所需的结构化 AI 代码评审摘要模板。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait review code submit

二进制描述: Submit the implicit pass outcome for one exact, fully inspected Patchset.

```
Submit the implicit pass outcome for one exact, fully inspected Patchset.
```

```
Usage: ait review code submit [OPTIONS] --patchset <PATCHSET_ID> --message <MESSAGE> <CHANGE_ID>
```

Arguments:

```
<CHANGE_ID> Remote Change that owns the exact reviewed Patchset.
```

Options:

```
--patchset <PATCHSET_ID> Complete published Patchset ID reviewed by the executing AI app;
                           numeric repo-scoped refs are rejected.
--message <MESSAGE>       Structured Reviewed files, Findings, Risks, Tests, and pass
                           Recommendation summary for this exact Patchset.
--remote <REMOTE>         Configured remote name; defaults to the repository's default
                           remote.
--json                    Emit both code and Task review-lane results as stable JSON.
-h, --help                Print help
```

说明

为一个确切且已完整检视的 Patchset 提交隐式通过结果。

参数 / 选项	说明
<CHANGE_ID>	拥有该确切已评审 Patchset 的远程 Change。
--patchset <PATCHSET_ID>	由执行方 AI 应用评审的完整已发布 Patchset ID；不接受仓库范围的数字引用。
--message <MESSAGE>	针对此确切 Patchset 的结构化摘要，包含 Reviewed files、Findings、Risks、Tests 和 pass Recommendation。
--remote <REMOTE>	已配置的远程名称；默认使用仓库的默认远程。
--json	以稳定 JSON 同时输出代码与 Task 两条评审通道的结果。
-h, --help	打印帮助

ait review code template

二进制描述: Print the required structured AI code-review summary template locally.

```
Print the required structured AI code-review summary template locally.

Usage: ait review code template [OPTIONS]

Options:
  --style <STYLE>  Template layout: inline or numbered. [default: numbered] [possible
                   values: inline, numbered]
  --json           Emit the template metadata as stable JSON.
  -h, --help       Print help
```

说明

在本地打印所需的结构化 AI 代码评审摘要模板。

参数 / 选项	说明
--style <STYLE>	模板布局：inline 或 numbered。[default: numbered] [possible values: inline, numbered]
--json	以稳定 JSON 输出模板元数据。
-h, --help	打印帮助

CLI • 完整 1.0.0 参考

ait attest - 完整参考

创建并查看挂在选定 Patchset 上的带类型证据。

适用人群 coding agent 与证据产出方

<https://ait-native.dev/technical/v1.0.0/cli/reference/attest/>

作用边界

用途：创建并查看挂在选定 Patchset 上的带类型证据。

影响类别：改动并查看远程证据。

覆盖：ait attest 下共 3 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait attest
ait attest put
ait attest show
```

原样输出的 help

ait attest

参考描述：创建并查看挂在选定 Patchset 上的带类型证据。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait attest <COMMAND>

Commands:
  put
  show
  help  Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

参数 / 选项	说明
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait attest put

参考描述：为选定的 Patchset 记录带类型的 attestation 证据。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait attest put [OPTIONS] [PATCHSET_ID]

Arguments:
  [PATCHSET_ID]

Options:
  --change <CHANGE>
  --tests <TESTS>
  --lint <LINT>
  --security <SECURITY>
  --license <LICENSE>
  --author-mode <AUTHOR_MODE>
  --model <MODEL>
  --remote <REMOTE>
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait attest show

参考描述：查看为某个 Patchset 记录的 attestation 证据。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。
下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait attest show [OPTIONS] <PATCHSET_ID>

Arguments:
  <PATCHSET_ID>

Options:
  --remote <REMOTE>
  --json
  -h, --help                Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

[CLI • 完整 1.0.0 参考](#)

ait policy - 完整参考

对选定的 Patchset 评估、查看并显式豁免受支持的策略检查。

适用人群 维护者与策略运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/policy/>

作用边界

用途：对选定的 Patchset 评估、查看并显式豁免受支持的策略检查。

影响类别：评估与查看，外加一次带明确理由的策略豁免写操作。

覆盖：ait policy 下共 4 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait policy
ait policy eval
ait policy show
ait policy waive
```

原样输出的 help

ait policy

参考描述：对选定的 Patchset 评估、查看并显式豁免受支持的策略检查。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait policy <COMMAND>

Commands:
  eval
  show
  waive
  help  Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

参数 / 选项	说明
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait policy eval

参考描述：对一个 Patchset 评估配置好的策略检查。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait policy eval [OPTIONS] <PATCHSET_ID>
```

```
Arguments:
  <PATCHSET_ID>
```

```
Options:
  --remote <REMOTE>
  --json
  -h, --help          Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait policy show

参考描述：查看某个 Patchset 的策略决定和证据。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait policy show [OPTIONS] <PATCHSET_ID>
```

```
Arguments:
  <PATCHSET_ID>
```

```
Options:
  --remote <REMOTE>
  --json
  -h, --help          Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait policy waive

参考描述：为某个 Patchset 上的一条具名策略规则记录一次明确且有理由的豁免。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait policy waive [OPTIONS] --rule <RULE_NAME> --reason <REASON> <PATCHSET_ID>
```

```
Arguments:
  <PATCHSET_ID>
```

```
Options:
  --rule <RULE_NAME>
  --reason <REASON>
  --expires-at <EXPIRES_AT>
  --remote <REMOTE>
  --json
  -h, --help          Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

[CLI • 完整 1.0.0 参考](#)

ait worktree - 完整参考

查看、诊断、恢复、迁移并清理由 AIT 持有的 Task worktree 及其元数据。

适用人群 coding agent 与仓库运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/worktree/>

作用边界

用途：查看、诊断、恢复、迁移并清理由 AIT 持有的 Task worktree 及其元数据。

影响类别：读取与本地恢复/清理混合的入口；确切的归属检查决定哪些写操作被允许。

覆盖：ait worktree 下共 16 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait worktree
ait worktree status
ait worktree restore
ait worktree show
ait worktree path
ait worktree doctor
ait worktree cleanup-candidates
ait worktree cleanup
ait worktree prune-stale
ait worktree list
ait worktree sync
ait worktree recreate
ait worktree recover-task
ait worktree restore-owned-head
ait worktree rebase
ait worktree remove
```

原样输出的 help

ait worktree

二进制描述：Inspect and maintain isolated worktrees that share repository .ait authority while carrying their own materialized content, current Line, and optional Task/Change binding. Normal Task worktrees are created by task start. Cleanup, prune-stale, and remove require --yes when applied; use --dry-run to preview destructive removal.


```

Inspect and maintain isolated worktrees that share repository .ait authority while carrying
their own materialized content, current Line, and optional Task/Change binding. Normal Task
worktrees are created by task start. Cleanup, prune-stale, and remove require --yes when
applied; use --dry-run to preview destructive removal.

Usage: ait worktree <COMMAND>

Commands:
  status          Compare one checkout with a Line head or exact Snapshot.
  restore         Restore all or selected checkout content from a Line head or Snapshot.
  show            Show one registered worktree and its refreshed live status.
  path            Print one worktree path or a shell command that enters it. [alias: open]
  doctor          Summarize registered worktree health and cleanup classification.
  cleanup-candidates Inspect policy-selected cleanup candidates without removing them.
  cleanup         Preview or remove policy-selected safe worktrees.
  prune-stale     Preview or prune missing and detached worktree registrations.
  list            List every registered worktree.
  sync            Synchronize one or all worktrees to their selected Line heads.
  recreate        Recreate a missing registered Task worktree.
  recover-task    Recover a local authoring worktree for an existing remote Task and Change.
  restore-owned-head Restore the last contiguous Snapshot head owned by a bound Task worktree.
  rebase         Replay a worktree's feature delta onto a target base Line.
  remove         Preview or explicitly remove registered worktrees.
  help            Print this message or the help of the given subcommand(s)

Options:
  -h, --help      Print help (see a summary with '-h')

```

说明

查看并维护隔离的 worktree：它们共享仓库的 .ait 权威，但各自携带物化内容、当前 Line 以及可选的 Task/Change 绑定。常规 Task worktree 由 task start 创建。cleanup、prune-stale 和 remove 实际执行时需要 --yes；用 --dry-run 预览破坏性删除。

参数 / 选项	说明
status	将一个检出与某个 Line head 或确切的 Snapshot 比较。
restore	从 Line head 或 Snapshot 恢复全部或选定的检出内容。
show	显示一个已注册 worktree 及其刷新后的实时状态。
path	打印一个 worktree 路径，或一条进入该路径的 shell 命令。[alias: open]
doctor	汇总已注册 worktree 的健康状况和清理分类。
cleanup-candidates	查看按策略选出的清理候选，不删除它们。

参数 / 选项	说明
cleanup	预览或删除按策略选出的安全 worktree。
prune-stale	预览或清理路径缺失和已脱离的 worktree 注册。
list	列出每个已注册的 worktree。
sync	将一个或全部 worktree 同步到其选定的 Line head。
recreate	重建一个路径缺失的已注册 Task worktree。
recover-task	为已有的远程 Task 和 Change 找回一个本地编写 worktree。

参数 / 选项	说明
restore-owned-head	恢复由绑定的 Task worktree 拥有的最后一段连续 Snapshot head。
rebase	将一个 worktree 的功能增量重放到目标基 Line 上。
remove	预览或显式删除已注册的 worktree。
help	打印本消息或给定子命令的帮助

ait worktree status

二进制描述： Report modified, missing, and untracked paths in the selected checkout without restoring content or moving a Line head. NAME selects a registered worktree; when omitted, inspect the current checkout. --snapshot and --line are mutually exclusive, and omission of both compares with the current Line head.

```
Report modified, missing, and untracked paths in the selected checkout without restoring content
or moving a Line head. NAME selects a registered worktree; when omitted, inspect the current
checkout. --snapshot and --line are mutually exclusive, and omission of both compares with the
current Line head.
```

```
Usage: ait worktree status [OPTIONS] [NAME]
```

Arguments:

[NAME]

Registered worktree name; omit it to inspect the current checkout

Options:

--snapshot <SNAPSHOT_ID>

Compare with this exact local Snapshot instead of a Line head

--line <LINE_NAME>

Compare with this local Line head instead of the current Line head

--verbose

Show baseline and workspace-root detail in text output

--json

Emit the complete stable machine-readable JSON payload

-h, --help

Print help (see a summary with '-h')

说明

报告所选检出中已修改、缺失和未跟踪的路径，不恢复内容也不移动 Line head。NAME 选择一个已注册 worktree；省略时查看当前检出。--snapshot 与 --line 互斥，两者都省略时与当前 Line head 比较。

ait worktree restore

二进制描述： Restore the selected registered worktree, or the current checkout when NAME is omitted. With no source option, restore the whole checkout from its current Line head. --snapshot and --line are mutually exclusive. Every --path is an exact workspace-relative path and requires an explicit --snapshot or --line; selected-path restore does not switch the current Line. Unsaved changes require --force, while --dry-run only reports the restore plan.

Restore the selected registered worktree, or the current checkout when NAME is omitted. With no source option, restore the whole checkout from its current Line head. --snapshot and --line are mutually exclusive. Every --path is an exact workspace-relative path and requires an explicit --snapshot or --line; selected-path restore does not switch the current Line. Unsaved changes require --force, while --dry-run only reports the restore plan.

Usage: ait worktree restore [OPTIONS] [NAME]

Arguments:

[NAME]

Registered worktree name; omit it to restore the current checkout

Options:

--snapshot <SNAPSHOT_ID>

Restore from this exact local Snapshot; mutually exclusive with --line

--line <LINE_NAME>

Restore from this local Line head; a whole-checkout restore also switches the current Line

--path <PATH>

Restore one exact workspace-relative path; repeat for more paths and supply --snapshot or --line

--force

Overwrite unsaved changes in the selected restore scope

--dry-run

Report writes, removals, and overwritten changes without restoring content

--json

Emit the complete stable machine-readable JSON payload

-h, --help

Print help (see a summary with '-h')

说明

恢复所选的已注册 worktree，省略 NAME 时恢复当前检出。未给来源选项时，从其当前 Line head 恢复整个检出。--snapshot 与 --line 互斥。每个 --path 都是确切的工作区相对路径，且需要显式的 --snapshot 或 --line；按路径恢复不会切换当前 Line。有未保存改动时需要 --force，--dry-run 仅报告恢复计划。

ait worktree show

二进制描述：Show registered and current Line identity, materialized status, Task/Change binding, cleanup classification, and rebase or merge state for one worktree. NAME may be omitted only when the current runtime context resolves a worktree binding.

Show registered and current Line identity, materialized status, Task/Change binding, cleanup classification, and rebase or merge state for one worktree. NAME may be omitted only when the current runtime context resolves a worktree binding.

Usage: ait worktree show [OPTIONS] [NAME]

Arguments:

[NAME]

Registered worktree name; omit it to use the current runtime worktree binding

Options:

--json

Emit the complete stable machine-readable JSON payload

-h, --help

Print help (see a summary with '-h')

说明

显示一个 worktree 的注册与当前 Line 身份、物化状态、Task/Change 绑定、清理分类以及 rebase 或合并状态。仅当当前运行时上下文能解析出 worktree 绑定时才可省略 NAME。

ait worktree path

二进制描述: Print the managed alias path when available, otherwise the registered physical path. This command refreshes live status and records worktree use. --shell prints a command that changes directory and exports managed Cargo paths when enabled; the visible alias `open` has identical print-only behavior.

```
Print the managed alias path when available, otherwise the registered physical path. This
command refreshes live status and records worktree use. --shell prints a command that changes
directory and exports managed Cargo paths when enabled; the visible alias `open` has identical
print-only behavior.
```

```
Usage: ait worktree path [OPTIONS] [NAME]
```

```
Arguments:
```

```
[NAME]
```

```
Registered worktree name; omit it to use the current runtime worktree binding
```

```
Options:
```

```
--shell
```

```
Print a shell command that enters the worktree and exports managed Cargo paths
```

```
--json
```

```
Emit machine-readable path, command, status, and managed runtime fields
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

可用时打印受管别名路径，否则打印注册的物理路径。此命令会刷新实时状态并记录 worktree 的使用。--shell 打印一条切换目录并在启用时导出受管 Cargo 路径的命令；可见别名 `open` 具有完全相同的仅打印行为。

ait worktree doctor

二进制描述: Summarize current, clean, dirty, missing, detached, protected, and cleanup-candidate worktrees. The default uses metadata and cached status without a full content scan. --refresh verifies live content and may refresh derived runtime layout and status caches.

```
Summarize current, clean, dirty, missing, detached, protected, and cleanup-candidate worktrees.
The default uses metadata and cached status without a full content scan. --refresh verifies
live content and may refresh derived runtime layout and status caches.
```

```
Usage: ait worktree doctor [OPTIONS]
```

```
Options:
```

```
--refresh
```

```
Verify each worktree's live content and refresh derived runtime status before
reporting
```

```
--json
```

```
Emit the complete stable machine-readable JSON payload
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

汇总当前、干净、有改动、路径缺失、已脱离、受保护和清理候选的 worktree。默认使用元数据和缓存状态，不做完整内容扫描。--refresh 会核实实际内容，并可能刷新派生的运行时布局与状态缓存。

ait worktree cleanup-candidates

二进制描述: Refresh and classify registered worktrees without removing paths or registrations. Filter by cleanup policy or idle age, opt clean manual-only worktrees into review, and optionally include protected rows with their exact reasons. Missing or detached registrations remain stale rather than cleanup candidates.

```
Refresh and classify registered worktrees without removing paths or registrations. Filter by
cleanup policy or idle age, opt clean manual-only worktrees into review, and optionally
include protected rows with their exact reasons. Missing or detached registrations remain
stale rather than cleanup candidates.

Usage: ait worktree cleanup-candidates [OPTIONS]

Options:
  --older-than <DURATION>
    Idle threshold for after_idle policy, written as integer days, hours, or minutes (for
    example 7d, 12h, or 30m)

    [default: 7d]

  --policy <POLICY>
    Filter by cleanup policy: manual_only, after_remote_land, after_task_complete,
    after_idle, or never

  --allow-manual-only
    Classify otherwise-safe clean manual_only worktrees as explicit cleanup candidates

  --include-protected
    Include protected worktree rows and their reasons without making them removable

  --json
    Emit the complete stable machine-readable JSON payload

-h, --help
    Print help (see a summary with '-h')
```

说明

刷新并分类已注册的 worktree，不删除路径或注册。可按清理策略或空闲时长过滤、将干净的仅手动 worktree 纳入审查，并可选包含受保护行及其确切原因。路径缺失或已脱离的注册保持为陈旧状态，而不是清理候选。

ait worktree cleanup

二进制描述：Select safe cleanup candidates using the same policy rules as cleanup-candidates. --dry-run previews the exact ordered removal plan without requiring confirmation. Applied cleanup deletes selected worktree paths, managed aliases, registrations, and managed Task Cargo build caches and therefore requires --yes.

```
Select safe cleanup candidates using the same policy rules as cleanup-candidates. --dry-run
previews the exact ordered removal plan without requiring confirmation. Applied cleanup
deletes selected worktree paths, managed aliases, registrations, and managed Task Cargo build
caches and therefore requires --yes.
```

```
Usage: ait worktree cleanup [OPTIONS]
```

```
Options:
```

```
--older-than <DURATION>
    Idle threshold for after_idle policy, written as integer days, hours, or minutes (for
    example 7d, 12h, or 30m)
```

```
[default: 7d]
```

```
--policy <POLICY>
    Filter by cleanup policy: manual_only, after_remote_land, after_task_complete,
    after_idle, or never
```

```
--allow-manual-only
    Permit otherwise-safe clean manual_only worktrees to be selected for removal
```

```
--limit <COUNT>
    Remove at most this many ordered candidates
```

```
--dry-run
    Preview the exact ordered removals without changing paths or registrations
```

```
--yes
    Confirm and apply cleanup removal; required unless --dry-run is supplied
```

```
--json
    Emit the complete stable machine-readable JSON payload
```

```
-h, --help
    Print help (see a summary with '-h')
```

说明

使用与 cleanup-candidates 相同的策略规则选出安全清理候选。--dry-run

预览确切的有序删除计划，无需确认。实际清理会删除选定的 worktree 路径、受管别名、注册以及受管的 Task Cargo 构建缓存，因此需要 --yes。

ait worktree prune-stale

二进制描述：Select registrations whose path is missing or whose worktree runtime layout is detached. Pruning removes stale registration and alias state without deleting surviving checkout content. --dry-run previews the exact rows; applied pruning requires --yes.

```
Select registrations whose path is missing or whose worktree runtime layout is detached. Pruning
removes stale registration and alias state without deleting surviving checkout content.
--dry-run previews the exact rows; applied pruning requires --yes.
```

```
Usage: ait worktree prune-stale [OPTIONS]
```

```
Options:
```

```
--dry-run
    Preview missing and detached registrations without pruning them
```

```
--yes
    Confirm and apply stale-registration pruning; required unless --dry-run is supplied
```

```
--json
    Emit the complete stable machine-readable JSON payload
```

```
-h, --help
    Print help (see a summary with '-h')
```

说明

选出路径缺失或 worktree

运行时布局已脱离的注册。清理会删除陈旧的注册和别名状态，但不删除仍存在的检出内容。--dry-run 预览确切的行；实际清理需要 --yes。

ait worktree list

二进制描述: List registered paths, current Lines, cached workspace status, cleanup classification, and current-context identity. --refresh verifies live content and may refresh derived runtime layout and status caches.

```
List registered paths, current Lines, cached workspace status, cleanup classification, and
current-context identity. --refresh verifies live content and may refresh derived runtime
layout and status caches.

Usage: ait worktree list [OPTIONS]

Options:
  --json
      Emit the complete stable machine-readable JSON array

  --refresh
      Verify live content and refresh derived runtime status for every worktree

  -h, --help
      Print help (see a summary with '-h')
```

说明

列出已注册路径、当前 Line、缓存的工作区状态、清理分类和当前上下文身份。--refresh 会核实实际内容，并可能刷新派生的运行时布局与状态缓存。

ait worktree sync

二进制描述: Restore a complete registered worktree to a Line head and update its materialized Snapshot, current Line, and runtime metadata. NAME selects one worktree; --all selects every live worktree and uses each one's current Line. --all cannot be combined with NAME or --line. Dirty content requires --force, and --dry-run previews without applying the restore.

```
Restore a complete registered worktree to a Line head and update its materialized Snapshot,
current Line, and runtime metadata. NAME selects one worktree; --all selects every live
worktree and uses each one's current Line. --all cannot be combined with NAME or --line. Dirty
content requires --force, and --dry-run previews without applying the restore.

Usage: ait worktree sync [OPTIONS] [NAME]

Arguments:
  [NAME]
      Registered worktree name; omit it to use the current runtime worktree binding

Options:
  --all
      Synchronize every live worktree to its own current Line; cannot be combined with NAME
      or --line

  --line <LINE_NAME>
      Synchronize one worktree to this Line head and make that Line current

  --force
      Overwrite unsaved changes while synchronizing

  --dry-run
      Preview complete restore plans without synchronizing content or metadata

  --json
      Emit the complete stable machine-readable JSON payload

  -h, --help
      Print help (see a summary with '-h')
```

说明

将一个完整的已注册 worktree 恢复到某个 Line head，并更新其物化 Snapshot、当前 Line 和运行时元数据。NAME 选择一个 worktree；--all 选择每个存活的 worktree 并使用各自的当前 Line。--all 不能与 NAME 或 --line 组合。有未保存内容时需要 --force，--dry-run 仅预览而不应用恢复。

ait worktree recreate

二进制描述: Recreate the recorded path and alias of a Task-bound worktree whose registered path is missing. Recovery selects the first locally available current-Line head, fork Snapshot, or selected remote Patchset revision. A present or unbound worktree is rejected; --dry-run validates and reports the candidate without materializing it.

```
Recreate the recorded path and alias of a Task-bound worktree whose registered path is missing.
Recovery selects the first locally available current-Line head, fork Snapshot, or selected
remote Patchset revision. A present or unbound worktree is rejected; --dry-run validates and
reports the candidate without materializing it.
```

```
Usage: ait worktree recreate [OPTIONS] [NAME]
```

Arguments:

[NAME]

Missing registered Task worktree name; omit it to use the current runtime binding

Options:

--dry-run

Validate recovery candidates, path, and alias without recreating the worktree

--json

Emit the complete stable machine-readable JSON payload

-h, --help

Print help (see a summary with '-h')

说明

重建注册路径缺失的 Task 绑定 worktree 所记录的路径和别名。恢复会选取本地可用的第一个当前 Line head、分叉 Snapshot 或选定的远程 Patchset 修订版。路径仍存在或未绑定的 worktree 会被拒绝；--dry-run 校验并报告候选，不做物化。

ait worktree recover-task

二进制描述: Run from the authoritative repository root to validate an active or draft remote Task and its draft or review Change, then recreate their local feature Line and Task-bound worktree. This command does not create remote Task or Change authority. If a registration already exists but its path is missing, use worktree recreate instead.

```
Run from the authoritative repository root to validate an active or draft remote Task and its
draft or review Change, then recreate their local feature Line and Task-bound worktree. This
command does not create remote Task or Change authority. If a registration already exists but
its path is missing, use worktree recreate instead.
```

```
Usage: ait worktree recover-task [OPTIONS] --change <CHANGE> <TASK_ID>
```

Arguments:

<TASK_ID>

Existing remote Task ID to recover

Options:

--change <CHANGE>

Existing remote Change ID or Task-scoped Change reference

--remote <REMOTE>

Configured remote name; omit it to use the effective default remote

--dry-run

Validate remote identity, local Snapshots, and placement without creating a worktree

--json

Emit the complete stable machine-readable JSON payload

-h, --help

Print help (see a summary with '-h')

说明

在权威仓库根目录运行，校验一个活动或草稿状态的远程 Task 及其草稿或评审中的 Change，然后重建它们的本地功能 Line 和 Task 绑定 worktree。此命令不会创建远程 Task 或 Change 权威。若注册已存在但路径缺失，请改用 worktree recreate。

ait worktree restore-owned-head

二进制描述: Inspect first-parent history after the registered fork and retain the last contiguous Snapshot owned by the bound Task, Change, and worktree. Any first foreign Snapshot and its descendants are dropped from the Line head. The worktree must be Task-bound, clean, and outside a conflicted rebase; --dry-run reports the ownership decision without changing content or the head.

```
Inspect first-parent history after the registered fork and retain the last contiguous Snapshot
owned by the bound Task, Change, and worktree. Any first foreign Snapshot and its descendants
are dropped from the Line head. The worktree must be Task-bound, clean, and outside a
conflicted rebase; --dry-run reports the ownership decision without changing content or the
head.
```

```
Usage: ait worktree restore-owned-head [OPTIONS] [NAME]
```

Arguments:

[NAME]

Task-bound worktree name; omit it to use the current runtime worktree binding

Options:

--dry-run

Report the retained owned head and dropped foreign Snapshots without restoring

--json

Emit the complete stable machine-readable JSON payload

-h, --help

Print help (see a summary with '-h')

说明

检查注册分叉之后的第一父级历史，保留由绑定的 Task、Change 和 worktree 拥有的最后一段连续 Snapshot。首个外来 Snapshot 及其后代会从 Line head 上丢弃。该 worktree 必须绑定 Task、干净且不处于冲突 rebase 中；--dry-run 只报告归属判定，不更改内容或 head。

ait worktree rebase

二进制描述: Rebasing the current feature Line from its registered fork onto --onto or the recorded target base Line. Starting an applied rebase requires a clean worktree. --dry-run previews ancestry, writes, removals, and conflicts. A conflicted rebase must later use exactly one of --continue or --abort; neither continuation mode accepts --dry-run.

```
Rebase the current feature Line from its registered fork onto --onto or the recorded target base
Line. Starting an applied rebase requires a clean worktree. --dry-run previews ancestry,
writes, removals, and conflicts. A conflicted rebase must later use exactly one of --continue
or --abort; neither continuation mode accepts --dry-run.
```

```
Usage: ait worktree rebase [OPTIONS] [NAME]
```

Arguments:

[NAME]

Registered worktree name; omit it to use the current runtime worktree binding

Options:

--onto <LINE_NAME>

Target base Line for a new rebase; omit it to use recorded target metadata

--continue

Snapshot the resolved conflicted workspace and complete its rebase

--abort

Discard conflicted workspace resolution and restore the original head

--dry-run

Preview a new rebase plan; cannot be combined with --continue or --abort

--json

Emit the complete stable machine-readable JSON payload

-h, --help

Print help (see a summary with '-h')

说明

将当前功能 Line 从其注册分叉 rebase 到 --onto 或记录的目标基 Line 上。实际启动 rebase 需要干净的 worktree。--dry-run 预览祖先关系、写入、删除和冲突。发生冲突的 rebase 之后必须恰好使用 --continue 或 --abort 之一；两种续作模式都不接受 --dry-run。

ait worktree remove

二进制描述：Remove one or more named worktree registrations, managed aliases, and runtime identity files, leaving ordinary checkout content unless --delete-path is supplied. --all-stale performs the same stale-registration pruning as prune-stale and cannot be combined with names, --delete-path, or --force. --dry-run previews the exact plan; every applied removal requires --yes.

```
Remove one or more named worktree registrations, managed aliases, and runtime identity files,
leaving ordinary checkout content unless --delete-path is supplied. --all-stale performs the
same stale-registration pruning as prune-stale and cannot be combined with names,
--delete-path, or --force. --dry-run previews the exact plan; every applied removal requires
--yes.
```

```
Usage: ait worktree remove [OPTIONS] [NAME]...
```

Arguments:

```
[NAME]...
```

```
One or more registered worktree names; mutually exclusive with --all-stale
```

Options:

```
--all-stale
```

```
Prune every missing or detached registration; cannot be combined with names,
--delete-path, or --force
```

```
--delete-path
```

```
Also delete each physical worktree path and managed Task Cargo build cache
```

```
--force
```

```
Permit explicit removal of dirty worktrees; does not bypass other safety checks
```

```
--dry-run
```

```
Preview exact removals without changing paths, aliases, or registrations
```

```
--yes
```

```
Confirm and apply worktree removal; required unless --dry-run is supplied
```

```
--json
```

```
Emit the complete stable machine-readable JSON payload
```

```
-h, --help
```

```
Print help (see a summary with '-h')
```

说明

删除一个或多个指定名称的 worktree 注册、受管别名和运行时身份文件，除非提供 --delete-path，否则保留普通检出内容。--all-stale 执行与 prune-stale 相同的陈旧注册清理，不能与名称、--delete-path 或 --force 组合。--dry-run 预览确切计划；每次实际删除都需要 --yes。

CLI • 完整 1.0.0 参考

ait workflow - 完整参考

对有界改动分类、校准工作流状态、准备远程就绪条件，并推动配置好的收尾决策。

适用人群 coding agent 与运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/workflow/>

作用边界

用途： 对有界改动分类、校准工作流状态、准备远程就绪条件，并推动配置好的收尾决策。

影响类别： guide 为只读；带 apply 的校准、就绪和收尾形式会改动所声明的范围。

覆盖： ait workflow 下共 5 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait workflow
ait workflow guide
ait workflow reconcile
ait workflow ready
ait workflow land
```

原样输出的 help

ait workflow

参考描述： 对有界改动分类、校准工作流状态、准备远程就绪条件，并推动配置好的收尾决策。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait workflow <COMMAND>

Commands:
  guide      Show helper playbooks that collapse common inventory and landing command bursts.
  reconcile  Inventory cross-object Task, Change, Line, worktree, land, and Plan-binding state;
             dry-run is the default and never mutates Plan state.
  ready      Show or apply the text-only ready phase for one change before review and remote
             land; every preparation input requires --apply.
  land       Show or apply the remote-only reviewer-owned exact-Patchset Review and Policy gates
             for one change, then delegate the already-ready final mutation to atomic Task Land.
  help       Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

参数 / 选项	说明
guide	显示把常见盘点与落地命令串收拢起来的辅助操作手册。
reconcile	盘点跨对象的 Task、Change、Line、worktree、落地和 Plan 绑定状态；默认即 dry-run，绝不改动 Plan 状态。
ready	在评审和远程落地之前，显示或应用一个 change 的纯文本就绪阶段；每个准备输入都需要 --apply。
land	显示或应用一个 change 的仅远程、评审者所有、针对确切 Patchset 的 Review 与 Policy 门禁，然后把已就绪的最终改动委托给原子性的 Task Land。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait workflow guide

二进制描述: Show helper playbooks that collapse common inventory and landing command bursts.

```
Show helper playbooks that collapse common inventory and landing command bursts.
```

```
Usage: ait workflow guide [TOPIC]
```

```
Arguments:  
[TOPIC]
```

```
Options:  
-h, --help  Print help
```

说明

显示把常见盘点与落地命令串收拢起来的辅助操作手册。

参数 / 选项	说明
-h, --help	打印帮助

ait workflow reconcile

二进制描述: Inventory cross-object Task, Change, Line, worktree, land, and Plan-binding state; dry-run is the default and never mutates Plan state.

```
Inventory cross-object Task, Change, Line, worktree, land, and Plan-binding state; dry-run is  
the default and never mutates Plan state.
```

```
Usage: ait workflow reconcile [OPTIONS]
```

```
Options:  
  --remote <REMOTE>  
  --task <TASK>  
  --dry-run  
  --apply  
  --safe-only  
  --scheduled          Run one bounded remote-worker reconciliation pass; implies --safe-only  
                       and requires a selected or default remote  
  --limit <LIMIT>     [default: 100]  
  --json  
-h, --help            Print help
```

说明

盘点跨对象的 Task、Change、Line、worktree、落地和 Plan 绑定状态；默认即 dry-run，绝不改动 Plan 状态。

参数 / 选项	说明
--scheduled	运行一轮有界的远程 worker 调和；隐含 --safe-only，且需要选定或默认远程
--limit <LIMIT>	[default: 100]
-h, --help	打印帮助

ait workflow ready

二进制描述: Show or apply the text-only ready phase for one change before review and remote land; every preparation input requires --apply.

```
Show or apply the text-only ready phase for one change before review and remote land; every
preparation input requires --apply.

Usage: ait workflow ready [OPTIONS] <CHANGE_ID>

Arguments:
  <CHANGE_ID>

Options:
  --apply
  --snapshot-message <SNAPSHOT_MESSAGE>
  --summary <SUMMARY>
  --tests <TESTS>
  --lint <LINT>
  --security <SECURITY>
  --license <LICENSE>
  --author-mode <AUTHOR_MODE>
    [possible values: human_only, human_with_ai_assist, ai_with_human_review,
    ai_only_experimental]
  --model <MODEL>
  --remote <REMOTE>

-h, --help
      Print help
```

说明

在评审和远程落地之前，显示或应用一个 change 的纯文本就绪阶段；每个准备输入都需要 --apply。

ait workflow land

二进制描述：Show or apply the remote-only reviewer-owned exact-Patchset Review and Policy gates for one change, then delegate the already-ready final mutation to atomic Task Land.

```
Show or apply the remote-only reviewer-owned exact-Patchset Review and Policy gates for one
change, then delegate the already-ready final mutation to atomic Task Land.

Usage: ait workflow land [OPTIONS] <CHANGE_ID>

Arguments:
  <CHANGE_ID> Remote Change id to inspect or land through reviewer-owned closeout.

Options:
  --apply
    Apply the safe next reviewer, policy, and atomic Task Land actions instead of only
    showing state.
  --review-message <REVIEW_MESSAGE>
    Structured exact-Patchset AI review summary authored by the executing reviewer app.
  --remote <REMOTE>
    Use the named remote instead of the configured default remote.
  -h, --help
      Print help
```

说明

显示或应用一个 change 的仅远程、评审者所有、针对确切 Patchset 的 Review 与 Policy 门禁，然后把已就绪的最终改动委托给原子性的 Task Land。

参数 / 选项	说明
<CHANGE_ID>	要查看或经由评审者所有的收尾落地的远程 Change id。

CLI • 完整 1.0.0 参考

ait line - 完整参考

查看并管理 Line，切换或恢复工作区状态，合并已记录的历史，并清理符合条件的 Line 记录。

适用人群 开发者与 coding agent

<https://ait-native.dev/technical/v1.0.0/cli/reference/line/>

作用边界

用途：查看并管理 Line，切换或恢复工作区状态，合并已记录的历史，并清理符合条件的 Line 记录。

影响类别：读取与本地写入混合的入口；switch、restore、merge、create、rename、archive 和 cleanup 会改变本地状态。

覆盖：ait line 下共 10 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait line
ait line list
ait line create
ait line switch
ait line show
ait line archive
ait line rename
ait line delete
ait line merge
ait line cleanup
```

原样输出的 help

ait line

参考描述：查看并管理 Line，切换或恢复工作区状态，合并已记录的历史，并清理符合条件的 Line 记录。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait line <COMMAND>

Commands:
  list
  create
  switch
  show
  archive
  rename  Rename a line while preserving its stable identity and reconciling bound pointers.
  delete  Delete only a line ref after binding and unique-history protection checks.
  merge   Merge one Line into the current Line with resumable conflict state and a two-parent
          Snapshot.
  cleanup Preview idle temporary Lines, or archive the admitted candidates with --yes.
  help    Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

参数 / 选项	说明
rename	重命名一个 line，同时保留其稳定身份并调和绑定的指针。
delete	仅删除一个 line 引用，且须先通过绑定与唯一历史保护检查。
merge	将一个 Line 合并进当前 Line，带可续的冲突状态和一个双父级 Snapshot。
cleanup	预览空闲的临时 Line，或用 --yes 归档已接纳的候选。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait line list

参考描述：在选定的本地或远程视图中列出活跃或已归档的 Line。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait line list [OPTIONS]

Options:
  --all
  --archived
  --remote <REMOTE>
  --json
  -h, --help          Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait line create

参考描述：创建一条具名 Line，可选地基于某个确切的 Snapshot，并可选地把工作区切换或恢复到它。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait line create [OPTIONS] <NAME>

Arguments:
  <NAME>

Options:
  --from-snapshot <FROM_SNAPSHOT> Start the new Line at this Snapshot instead of the
                                     current Line head.
  --switch                               Select the new Line without changing workspace files.
  --json
  -h, --help          Print help
```

说明

参数 / 选项	说明
--from-snapshot <FROM_SNAPSHOT>	从此 Snapshot 开始新 Line，而不是从当前 Line head 开始。
--switch	选定新 Line，不改变工作区文件。
-h, --help	打印帮助

ait line switch

参考描述：把一条具名 Line 设为当前 Line，并可选地把它记录的 head 恢复到工作区。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait line switch [OPTIONS] <NAME>

Arguments:
  <NAME>

Options:
  --restore  Materialize the selected Line head into the workspace.
  --force    Allow --restore to overwrite conflicting workspace changes.
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
--restore	将所选 Line head 物化到工作区。
--force	允许 --restore 覆盖有冲突的工作区改动。
-h, --help	打印帮助

ait line show

参考描述：查看选定的或当前的 Line 及其记录的状态。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait line show [OPTIONS] [NAME]

Arguments:
  [NAME]

Options:
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait line archive

参考描述：在选定的权威中归档一条具名 Line。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait line archive [OPTIONS] <NAME>

Arguments:
  <NAME>

Options:
  --remote <REMOTE>
  --json
  -h, --help          Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait line rename

二进制描述：Rename a line while preserving its stable identity and reconciling bound pointers.


```
Rename a line while preserving its stable identity and reconciling bound pointers.

Usage: ait line rename [OPTIONS] <OLD> <NEW>

Arguments:
  <OLD>
  <NEW>

Options:
  --remote <REMOTE>
  --json
  -h, --help          Print help
```

说明

重命名一个 line，同时保留其稳定身份并调和绑定的指针。

参数 / 选项	说明
-h, --help	打印帮助

ait line delete

二进制描述：Delete only a line ref after binding and unique-history protection checks.

```
Delete only a line ref after binding and unique-history protection checks.

Usage: ait line delete [OPTIONS] --yes <NAME>

Arguments:
  <NAME>

Options:
  --remote <REMOTE>
  --yes
  --json
  -h, --help          Print help
```

说明

仅删除一个 line 引用，且须先通过绑定与唯一历史保护检查。

参数 / 选项	说明
-h, --help	打印帮助

ait line merge

二进制描述：Merge one Line into the current Line with resumable conflict state and a two-parent Snapshot.

```
Merge one Line into the current Line with resumable conflict state and a two-parent Snapshot.

Usage: ait line merge [OPTIONS] [SOURCE]

Arguments:
  [SOURCE]

Options:
  --message <MESSAGE>
  --continue
  --abort
  --json
  -h, --help          Print help
```

说明

将一个 Line 合并进当前 Line，带可续的冲突状态和一个双父级 Snapshot。

参数 / 选项	说明
-h, --help	打印帮助

ait line cleanup

二进制描述：Preview idle temporary Lines, or archive the admitted candidates with --yes.

```
Preview idle temporary Lines, or archive the admitted candidates with --yes.

Usage: ait line cleanup [OPTIONS]

Options:
  --idle-for <IDLE_FOR> Minimum time since the Line's last activity, such as 7d, 12h, or
                        30m. [default: 7d]
  --kind <CLEANUP_KIND> Restrict cleanup to review_base, review, or wip Lines.
  --limit <LIMIT>       Select at most this positive number of oldest candidates.
  --include-protected   Include non-candidates and their protection reasons in the result.
  --all                 Show every selected row; protected rows still require
  --include-protected.
  --yes                 Archive the admitted candidates; omission is always a read-only
                        preview.
  --json
  -h, --help            Print help
```

说明

预览空闲的临时 Line，或用 --yes 归档已接纳的候选。

参数 / 选项	说明
--idle-for <IDLE_FOR>	自该 Line 最后一次活动以来的最短时长，例如 7d、12h 或 30m。[default: 7d]
--kind <CLEANUP_KIND>	将清理限定为 review_base、review 或 wip Line。
--limit <LIMIT>	最多选出此正数个最旧的候选。
--include-protected	在结果中包含非候选项及其保护原因。
--all	显示每个选中的行；受保护行仍需要 --include-protected。
--yes	归档已接纳的候选；省略时始终为只读预览。

参数 / 选项	说明
-h, --help	打印帮助

CLI • 完整 1.0.0 参考

ait git - 完整参考

在 Git 与 AIT 原生仓库模型之间导入、导出并镜像历史。

适用人群 Repository 所有者与迁移运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/git/>

作用边界

用途：在 Git 与 AIT 原生仓库模型之间导入、导出并镜像历史。

影响类别：历史转换与同步；方向、目标和映射选项决定被改动的是哪个权威。

覆盖：ait git 下共 4 个公开 help surface。

下面的代码块原样保留 1.0.0 二进制的输出，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait git
ait git import
ait git export
ait git mirror
```

原样输出的 help

ait git

参考描述：在 Git 与 AIT 原生仓库模型之间导入、导出并镜像历史。

1.0.0 二进制没有为这个 surface 单独给出描述，上面那句是文档补充的说明。

下面是解析器提供的完整用法和选项，未作改动。

```
Usage: ait git <COMMAND>

Commands:
  import  Import Git commits, branches, and tags into AIT with a resumable immutable identity
         map.
  export  Export AIT lines, tags, and ordered Snapshot DAG history to Git without force-updating
         refs.
  mirror  Reconcile a Git endpoint and AIT through checkpointed, divergence-safe ref-set
         transactions.
  help    Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

参数 / 选项	说明
import	以可恢复且不可变的身份映射，将 Git 提交、分支和标签导入 AIT。
export	将 AIT 的 lines、tags 和有序 Snapshot DAG 历史导出到 Git，不强制更新 refs。
mirror	通过带检查点、分歧安全的引用集事务，调和一个 Git 端点与 AIT。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait git import

二进制描述：Import Git commits, branches, and tags into AIT with a resumable immutable identity map.

```
Import Git commits, branches, and tags into AIT with a resumable immutable identity map.

Usage: ait git import [OPTIONS] <SOURCE>

Arguments:
  <SOURCE>  Git source to import; accepts a local repository path or a Git remote URL.

Options:
  --all-branches-and-tags  Import every Git branch and tag instead of only the source HEAD
                           branch.
  --dry-run                Inspect and validate the immutable import plan without persistent
                           AIT mutation.
  --json                  Emit the complete machine-readable JSON result.
  -h, --help              Print help
```

说明

以可恢复且不可变的身份映射，将 Git 提交、分支和标签导入 AIT。

参数 / 选项	说明
<SOURCE>	要导入的 Git 源；接受本地仓库路径或 Git 远程 URL。
--all-branches-and-tags	导入每个 Git 分支和标签，而不只是源 HEAD 分支。
--dry-run	查看并校验不可变的导入计划，不对 AIT 做持久改动。
--json	输出完整的机器可读 JSON 结果。
-h, --help	打印帮助

ait git export

二进制描述：Export AIT lines, tags, and ordered Snapshot DAG history to Git without force-updating refs.

```
Export AIT lines, tags, and ordered Snapshot DAG history to Git without force-updating refs.

Usage: ait git export [OPTIONS] <TARGET>

Arguments:
  <TARGET>  Local Git repository path to update, or a new path whose parent already exists.

Options:
  --all-lines-and-tags  Export every headed AIT Line and every AIT Tag instead of only the
                           current Line.
  --dry-run            Inspect and validate the immutable export plan without target or AIT
                           mutation.
  --json              Emit the complete machine-readable JSON result.
  -h, --help          Print help
```

说明

将 AIT 的 lines、tags 和有序 Snapshot DAG 历史导出到 Git，不强制更新 refs。

参数 / 选项	说明
<TARGET>	要更新的本地 Git 仓库路径，或一个父目录已存在的新路径。
--all-lines-and-tags	导出每个有 heads 的 AIT Line 和每个 AIT Tag，而不只是当前 Line。
--dry-run	查看并校验不可变的导出计划，不改动目标或 AIT。
--json	输出完整的机器可读 JSON 结果。
-h, --help	打印帮助

ait git mirror

二进制描述：Reconcile a Git endpoint and AIT through checkpointed, divergence-safe ref-set transactions.

```
Reconcile a Git endpoint and AIT through checkpointed, divergence-safe ref-set transactions.

Usage: ait git mirror [OPTIONS] --direction <DIRECTION> <ENDPOINT>

Arguments:
  <ENDPOINT>  Git source for inbound mode; local Git path for outbound or bidirectional mode.

Options:
  --direction <DIRECTION>  Select the permitted change direction; one-way modes block
                             opposite-side changes and all modes block divergence. [possible values: inbound,
                             outbound, bidirectional]
  --dry-run                 Classify and validate the complete branch/tag ref set without
                             persistent mutation.
  --json                    Emit the complete machine-readable JSON result.
  -h, --help                Print help
```

说明

通过带检查点、分歧安全的引用集事务，调和一个 Git 端点与 AIT。

参数 / 选项	说明
<ENDPOINT>	入站模式的 Git 源；出站或双向模式的本地 Git 路径。
--direction <DIRECTION>	选择允许的变更方向；单向模式阻止另一侧的变更，且所有模式都阻止分歧。[possible values: inbound, outbound, bidirectional]
--dry-run	对完整的 branch/tag 引用集进行分类与校验，不做持久性改动。
--json	输出完整的机器可读 JSON 结果。
-h, --help	打印帮助

CLI • 完整 1.0.0 组件参考

ait-agent - 完整参考

配置、查看并管理可选的 Telegram、LINE、Discord 和 Slack 传输 worker。

适用人群 开发者、集成维护者与运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/ait-agent/>

作用边界

用途： 配置、查看并管理可选的 Telegram、LINE、Discord 和 Slack 传输 worker。

覆盖： ait-agent 共给出 43 个公开 help surface。

这一页原样保留被准入的 1.0.0 可执行文件输出，由校验和绑定的发布二进制生成，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait-agent
ait-agent telegram
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ait-agent telegram start
ait-agent telegram stop
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ait-agent telegram logs
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ait-agent slack
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ait-agent slack list
ait-agent slack status
ait-agent slack start
ait-agent slack stop
ait-agent slack restart
ait-agent slack logs
ait-agent slack remove
```

原样输出的 help

ait-agent

```
Run optional ait external runtime workers.

Usage: ait-agent <COMMAND>

Commands:
  telegram  Run and configure Telegram agent workers.
  line      Run and configure LINE agent workers.
  discord   Run and configure Discord agent workers.
  slack     Run and configure Slack agent workers.
  help      Print this message or the help of the given subcommand(s)

Options:
  -h, --help      Print help
  -V, --version    Print version
```

说明

运行可选的 ait 外部运行时 worker。

参数 / 选项	说明
telegram	运行并配置 Telegram agent worker。
line	运行并配置 LINE agent worker。
discord	运行并配置 Discord agent worker。
slack	运行并配置 Slack agent worker。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

参数 / 选项	说明
-V, --version	打印版本

ait-agent telegram

```
Run and configure Telegram agent workers.

Usage: ait-agent telegram [OPTIONS] [COMMAND]

Commands:
  add      Add or update a named Telegram worker config.
  list     List named Telegram worker configs.
  status   Show named Telegram worker runtime status.
  start    Start a named Telegram worker in daemon mode.
  stop     Stop a named Telegram worker.
  restart  Stop and restart a named Telegram worker in daemon mode.
  logs     Read the last N lines from a named Telegram worker's log.
  remove   Remove a named Telegram worker config.
  supervisor Supervise configured Telegram workers.
  help     Print this message or the help of the given subcommand(s)

Options:
  --mode <MODE>      [default: polling] [possible values: polling, webhook]
  --worker <WORKER>  [default: main]
  -h, --help          Print help
```

说明

运行并配置 Telegram agent worker。

参数 / 选项	说明
add	添加或更新一个命名的 Telegram worker 配置。
list	列出命名的 Telegram worker 配置。
status	显示指定名称 Telegram worker 的运行状态。
start	以守护进程模式启动一个指定名称的 Telegram worker。
stop	停止一个指定名称的 Telegram worker。
restart	以守护进程模式停止并重启一个指定名称的 Telegram worker。

参数 / 选项	说明
logs	读取指定名称 Telegram worker 日志的最后 N 行。
remove	删除一个命名的 Telegram worker 配置。
supervisor	监管已配置的 Telegram worker。
help	打印本消息或给定子命令的帮助
--mode <MODE>	[default: polling] [possible values: polling, webhook]
--worker <WORKER>	[default: main]

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram add

```
Add or update a named Telegram worker config.

Usage: ait-agent telegram add [OPTIONS] --token <TOKEN> <NAME>

Arguments:
  <NAME>

Options:
  --token <TOKEN>
  --username <USERNAME>
  --sync-state-path <SYNC_STATE_PATH>
  --pid-file <PID_FILE>
  --log-file <LOG_FILE>
  --env-path <ENV_PATH>
  --json
  -h, --help                Print help
```

说明

添加或更新一个命名的 Telegram worker 配置。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram list

```
List named Telegram worker configs.

Usage: ait-agent telegram list [OPTIONS]

Options:
  --json
  -h, --help  Print help
```

说明

列出命名的 Telegram worker 配置。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram status

```
Show named Telegram worker runtime status.

Usage: ait-agent telegram status [OPTIONS] [NAME]

Arguments:
  [NAME]

Options:
  --json
  -h, --help  Print help
```

说明

显示指定名称 Telegram worker 的运行时状态。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram start

```
Start a named Telegram worker in daemon mode.

Usage: ait-agent telegram start [OPTIONS] <NAME>

Arguments:
  <NAME>

Options:
  --json
  -h, --help  Print help
```

说明

以守护进程模式启动一个指定名称的 Telegram worker。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram stop

```
Stop a named Telegram worker.

Usage: ait-agent telegram stop [OPTIONS] <NAME>

Arguments:
  <NAME>

Options:
  --json
  -h, --help  Print help
```

说明

停止一个指定名称的 Telegram worker。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram restart

Stop and restart a named Telegram worker in daemon mode.

Usage: ait-agent telegram restart [OPTIONS] <NAME>

Arguments:
<NAME>

Options:
--json
-h, --help Print help

说明

以守护进程模式停止并重启一个指定名称的 Telegram worker。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram logs

Read the last N lines from a named Telegram worker's log.

Usage: ait-agent telegram logs [OPTIONS] <NAME>

Arguments:
<NAME>

Options:
--lines <LINES> [default: 100]
--json
-h, --help Print help

说明

读取指定名称 Telegram worker 日志的最后 N 行。

参数 / 选项	说明
--lines <LINES>	[default: 100]
-h, --help	打印帮助

ait-agent telegram remove

Remove a named Telegram worker config.

Usage: ait-agent telegram remove [OPTIONS] <NAME>

Arguments:
<NAME>

Options:
--json
-h, --help Print help

说明

删除一个命名的 Telegram worker 配置。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram supervisor

```
Supervise configured Telegram workers.

Usage: ait-agent telegram supervisor <COMMAND>

Commands:
  status  Show runtime status for all Telegram workers.
  start   Start all configured Telegram workers.
  run     Continuously start stopped Telegram workers at an interval.
  stop    Stop all running Telegram workers.
  restart Restart all Telegram workers.
  help    Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

监管已配置的 Telegram worker。

参数 / 选项	说明
status	显示所有 Telegram worker 的运行时状态。
start	启动所有已配置的 Telegram worker。
run	按固定间隔持续启动已停止的 Telegram worker。
stop	停止所有运行中的 Telegram worker。
restart	重启所有 Telegram worker。
help	打印本消息或给定子命令的帮助

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram supervisor status

```
Show runtime status for all Telegram workers.

Usage: ait-agent telegram supervisor status [OPTIONS]

Options:
  --json
  -h, --help  Print help
```

说明

显示所有 Telegram worker 的运行时状态。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram supervisor start

```
Start all configured Telegram workers.

Usage: ait-agent telegram supervisor start [OPTIONS]

Options:
  --json
  -h, --help  Print help
```

说明

启动所有已配置的 Telegram worker。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram supervisor run

```
Continuously start stopped Telegram workers at an interval.

Usage: ait-agent telegram supervisor run [OPTIONS]

Options:
  --interval-seconds <INTERVAL_SECONDS> [default: 30]
  --once
  --json
  -h, --help                                Print help
```

说明

按固定间隔持续启动已停止的 Telegram worker。

参数 / 选项	说明
--interval-seconds <INTERVAL_SECONDS>	[default: 30]
-h, --help	打印帮助

ait-agent telegram supervisor stop

```
Stop all running Telegram workers.

Usage: ait-agent telegram supervisor stop [OPTIONS]

Options:
  --json
  -h, --help  Print help
```

说明

停止所有运行中的 Telegram worker。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent telegram supervisor restart

```
Restart all Telegram workers.

Usage: ait-agent telegram supervisor restart [OPTIONS]

Options:
  --json
  -h, --help  Print help
```

说明

重启所有 Telegram worker。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent line

```
Run and configure LINE agent workers.

Usage: ait-agent line <COMMAND>

Commands:
  add      Add or update a named LINE worker config.
  list
  status
  start
  stop
  restart
  logs
  remove
  help     Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

运行并配置 LINE agent worker。

参数 / 选项	说明
add	添加或更新一个命名的 LINE worker 配置。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait-agent line add

```
Add or update a named LINE worker config.

Usage: ait-agent line add [OPTIONS] --token <TOKEN> --secret <SECRET> <NAME>

Arguments:
  <NAME>

Options:
  --token <TOKEN>
  --secret <SECRET>
  --sync-state-path <SYNC_STATE_PATH>
  --pid-file <PID_FILE>
  --log-file <LOG_FILE>
  --env-path <ENV_PATH>
  --json
  -h, --help          Print help
```

说明

添加或更新一个命名的 LINE worker 配置。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent line list

```
Usage: ait-agent line list [OPTIONS]

Options:
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent line status

```
Usage: ait-agent line status [OPTIONS] [NAME]

Arguments:
  [NAME]

Options:
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent line start

```
Usage: ait-agent line start [OPTIONS] <NAME>

Arguments:
  <NAME>

Options:
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent line stop

```
Usage: ait-agent line stop [OPTIONS] <NAME>

Arguments:
  <NAME>

Options:
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent line restart

```
Usage: ait-agent line restart [OPTIONS] <NAME>

Arguments:
  <NAME>

Options:
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent line logs

```
Usage: ait-agent line logs [OPTIONS] <NAME>

Arguments:
  <NAME>

Options:
  --lines <LINES>  [default: 100]
  --json
  -h, --help        Print help
```

说明

参数 / 选项	说明
--lines <LINES>	[default: 100]
-h, --help	打印帮助

ait-agent line remove

```
Usage: ait-agent line remove [OPTIONS] <NAME>

Arguments:
  <NAME>

Options:
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent discord

```
Run and configure Discord agent workers.

Usage: ait-agent discord <COMMAND>

Commands:
  add      Add or update a named Discord worker config.
  list
  status
  start
  stop
  restart
  logs
  remove
  help     Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

运行并配置 Discord agent worker。

参数 / 选项	说明
add	添加或更新一个命名的 Discord worker 配置。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait-agent discord add

```
Add or update a named Discord worker config.

Usage: ait-agent discord add [OPTIONS] --application-id <APPLICATION_ID> --bot-token <BOT_TOKEN>
      <NAME>

Arguments:
  <NAME>

Options:
  --application-id <APPLICATION_ID>
  --bot-token <BOT_TOKEN>
  --sync-state-path <SYNC_STATE_PATH>
  --pid-file <PID_FILE>
  --log-file <LOG_FILE>
  --env-path <ENV_PATH>
  --json
  -h, --help                Print help
```

说明

添加或更新一个命名的 Discord worker 配置。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent discord list

```
Usage: ait-agent discord list [OPTIONS]

Options:
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent discord status

```
Usage: ait-agent discord status [OPTIONS] [NAME]

Arguments:
  [NAME]

Options:
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent discord start

```
Usage: ait-agent discord start [OPTIONS] <NAME>

Arguments:
  <NAME>

Options:
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent discord stop

Usage: ait-agent discord stop [OPTIONS] <NAME>

Arguments:

<NAME>

Options:

--json

-h, --help Print help

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent discord restart

Usage: ait-agent discord restart [OPTIONS] <NAME>

Arguments:

<NAME>

Options:

--json

-h, --help Print help

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent discord logs

Usage: ait-agent discord logs [OPTIONS] <NAME>

Arguments:

<NAME>

Options:

--lines <LINES> [default: 100]

--json

-h, --help Print help

说明

参数 / 选项	说明
--lines <LINES>	[default: 100]
-h, --help	打印帮助

ait-agent discord remove

Usage: ait-agent discord remove [OPTIONS] <NAME>

Arguments:

<NAME>

Options:

--json

-h, --help Print help

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent slack

```
Run and configure Slack agent workers.

Usage: ait-agent slack <COMMAND>

Commands:
  add      Add or update a named Slack worker config.
  list
  status
  start
  stop
  restart
  logs
  remove
  help     Print this message or the help of the given subcommand(s)

Options:
  -h, --help  Print help
```

说明

运行并配置 Slack agent worker。

参数 / 选项	说明
add	添加或更新一个命名的 Slack worker 配置。
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

ait-agent slack add

```
Add or update a named Slack worker config.

Usage: ait-agent slack add [OPTIONS] --app-token <APP_TOKEN> <NAME>

Arguments:
  <NAME>

Options:
  --app-token <APP_TOKEN>
  --sync-state-path <SYNC_STATE_PATH>
  --pid-file <PID_FILE>
  --log-file <LOG_FILE>
  --env-path <ENV_PATH>
  --json
  -h, --help                Print help
```

说明

添加或更新一个命名的 Slack worker 配置。

参数 / 选项	说明
-h, --help	打印帮助

ait-agent slack list

```
Usage: ait-agent slack list [OPTIONS]

Options:
  --json
  -h, --help  Print help
```

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent slack status

Usage: ait-agent slack status [OPTIONS] [NAME]

Arguments:

[NAME]

Options:

--json

-h, --help Print help

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent slack start

Usage: ait-agent slack start [OPTIONS] <NAME>

Arguments:

<NAME>

Options:

--json

-h, --help Print help

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent slack stop

Usage: ait-agent slack stop [OPTIONS] <NAME>

Arguments:

<NAME>

Options:

--json

-h, --help Print help

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent slack restart

Usage: ait-agent slack restart [OPTIONS] <NAME>

Arguments:

<NAME>

Options:

--json

-h, --help Print help

说明

参数 / 选项	说明
-h, --help	打印帮助

ait-agent slack logs

Usage: ait-agent slack logs [OPTIONS] <NAME>

Arguments:

<NAME>

Options:

--lines <LINES> [default: 100]

--json

-h, --help Print help

说明

参数 / 选项	说明
--lines <LINES>	[default: 100]
-h, --help	打印帮助

ait-agent slack remove

Usage: ait-agent slack remove [OPTIONS] <NAME>

Arguments:

<NAME>

Options:

--json

-h, --help Print help

说明

参数 / 选项	说明
-h, --help	打印帮助

抓取来源

- 产品版本: 1.0.0
- 二进制版本: ait-agent 1.0.0
- 二进制 SHA-256: 8c8a0dc92e8b042168e1e06f1e14db1f232bf3a879322567e6553439dc297c70
- 抓取日期: 2026-08-19

[CLI](#) • [完整 1.0.0 组件参考](#)

ait-agent-worker - 完整参考

运行一个已接纳的原生传输 worker，或一次有界的签名请求事务或应答提供方事务。

适用人群 开发者、集成维护者与运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/ait-agent-worker/>

作用边界

用途：运行一个已接纳的原生传输 worker，或一次有界的签名请求事务或应答提供方事务。

覆盖：ait-agent-worker 共给出 6 个公开 help surface。

这一页原样保留被准入的 1.0.0 可执行文件输出，由校验和绑定的发布二进制生成，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait-agent-worker
ait-agent-worker capabilities
ait-agent-worker run
ait-agent-worker slack-command
ait-agent-worker discord-interaction
ait-agent-worker reply-provider
```

原样输出的 help

ait-agent-worker

```
Run Python-free AIT transport workers

Usage: ait-agent-worker <COMMAND>

Commands:
  capabilities      Report transport runners compiled into this executable
  run              Run one configured transport worker
  slack-command     Execute one signed Slack slash-command request from stdin
  discord-interaction Execute one signed Discord interaction request from stdin
  reply-provider    Generate one native Codex reply from a versioned provider request on
                    stdin
  help             Print this message or the help of the given subcommand(s)

Options:
  -h, --help      Print help
  -V, --version    Print version
```

说明

运行无需 Python 的 AIT 传输 worker

参数 / 选项	说明
capabilities	报告编译进此可执行文件的传输 runner
run	运行一个已配置的传输 worker
slack-command	从 stdin 执行一个已签名的 Slack 斜杠命令请求
discord-interaction	从 stdin 执行一个已签名的 Discord 交互请求
reply-provider	从 stdin 的带版本 provider 请求生成一个原生 Codex 回复
help	打印本消息或给定子命令的帮助

参数 / 选项	说明
-h, --help	打印帮助
-V, --version	打印版本

ait-agent-worker capabilities

```
Report transport runners compiled into this executable

Usage: ait-agent-worker capabilities [OPTIONS]

Options:
  --json  Emit the stable machine-readable capability contract
  -h, --help  Print help
```

说明

报告编译进此可执行文件的传输 runner

参数 / 选项	说明
--json	输出稳定的机器可读能力契约
-h, --help	打印帮助

ait-agent-worker run

```
Run one configured transport worker

Usage: ait-agent-worker run [OPTIONS] --transport <TRANSPORT> --worker <WORKER>
      --event-loop-backend <EVENT_LOOP_BACKEND> --shard <SHARD>

Options:
  --transport <TRANSPORT>
                        Transport kind: telegram, discord, slack, or line
  --worker <WORKER>
                        Named worker from .ait/agent-workers.json
  --event-loop-backend <EVENT_LOOP_BACKEND>
                        Rust event-loop backend selected by launch planning
  --shard <SHARD>
                        Zero-based Rust reactor shard assignment
  --console-mode <CONSOLE_MODE>
                        Run the long-lived service or one stdin Telegram webhook transaction [default:
                        service] [possible values: service, webhook]
  -h, --help
                        Print help
```

说明

运行一个已配置的传输 worker

ait-agent-worker slack-command

```
Execute one signed Slack slash-command request from stdin

Usage: ait-agent-worker slack-command [OPTIONS] --signature <SIGNATURE> --signature-timestamp
      <SIGNATURE_TIMESTAMP>

Options:
  --worker <WORKER>
                        Named Slack worker from .ait/agent-workers.json [default: main]
  --signature <SIGNATURE>
                        Slack request signature paired with the exact stdin payload
  --signature-timestamp <SIGNATURE_TIMESTAMP>
                        Slack request Unix timestamp used by signature verification
  -h, --help
                        Print help
```

说明

从 stdin 执行一个已签名的 Slack 斜杠命令请求

ait-agent-worker discord-interaction

```
Execute one signed Discord interaction request from stdin

Usage: ait-agent-worker discord-interaction [OPTIONS] --signature <SIGNATURE>
       --signature-timestamp <SIGNATURE_TIMESTAMP>

Options:
  --worker <WORKER>
    Named Discord worker from .ait/agent-workers.json [default: main]
  --signature <SIGNATURE>
    Discord Ed25519 signature paired with the exact stdin payload
  --signature-timestamp <SIGNATURE_TIMESTAMP>
    Discord interaction timestamp used by signature verification
  -h, --help
    Print help
```

说明

从 stdin 执行一个已签名的 Discord 交互请求

ait-agent-worker reply-provider

```
Generate one native Codex reply from a versioned provider request on stdin

Usage: ait-agent-worker reply-provider

Options:
  -h, --help  Print help
```

说明

从 stdin 的带版本 provider 请求生成一个原生 Codex 回复

参数 / 选项	说明
-h, --help	打印帮助

抓取来源

- 产品版本: 1.0.0
- 二进制版本: ait-agent-worker 1.0.0
- 二进制 SHA-256: 70061e91a22855274b9a21936642238ecabbe25d1191a2c5525acf0197169732
- 抓取日期: 2026-08-19

CLI • 完整 1.0.0 组件参考

ait-server - 完整参考

初始化、探测或运行持久的远程 Repository 权威以及 Worker Job 协调。

适用人群 开发者、集成维护者与运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/ait-server/>

作用边界

用途：初始化、探测或运行持久的远程 Repository 权威以及 Worker Job 协调。

覆盖：ait-server 共给出 1 个公开 help surface。

这一页原样保留被准入的 1.0.0 可执行文件输出，由校验和绑定的发布二进制生成，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

ait-server

原样输出的 help

ait-server

```
Usage:
  ait-server run [--data <absolute-path>] [--listen <ip:port>] [--init-if-missing]
  [--defer-ci-admission]
  ait-server init [--data <absolute-path>]
  ait-server probe [--data <absolute-path>] [--defer-ci-admission]
  ait-server --startup-probe
  ait-server --version
```

With no arguments, ait-server prints this help without starting the server.
With no --data flag or AIT_NATIVE_SERVER_DATA environment, AIT uses the platform user-data root and safely initializes it on first run.
--listen defaults to 127.0.0.1:8088 and is accepted only by `run`.
--defer-ci-admission skips only the startup RAM-workspace probe; managed CI allocation still fails closed until a memory-backed root is configured.

抓取来源

- 产品版本：1.0.0
- 二进制版本：ait-server 1.0.0
- 二进制 SHA-256：effa2f3820eb6abdf7275784729b17a535f8f510954c5d1ae75bec85a2aceeec
- 抓取日期：2026-08-19

CLI • 完整 1.0.0 组件参考

ait-runner - 完整参考

诊断、执行、认领或提供由服务端持有的带类型 CI 工作。

适用人群 开发者、集成维护者与运维

<https://ait-native.dev/technical/v1.0.0/cli/reference/ait-runner/>

作用边界

用途：诊断、执行、认领或提供由服务端持有的带类型 CI 工作。

覆盖：ait-runner 共给出 5 个公开 help surface。

这一页原样保留被准入的 1.0.0 可执行文件输出，由校验和绑定的发布二进制生成，包含它给出的每一个参数、选项、默认值、可选值、冲突关系和必填要求。

完整命令树

```
ait-runner
ait-runner doctor
ait-runner execute
ait-runner run-job
ait-runner serve
```

原样输出的 help

ait-runner

```
Native execution plane for explicit ait-server CI jobs

Usage: ait-runner <COMMAND>

Commands:
  doctor  Verify the live ait-server health contract without claiming a job
  execute Execute one typed native request from stdin or a named file
  run-job Claim, execute, and finish one explicit Binary Worker Job pair
  serve   Poll for compatible native jobs, maintain their lease, and deliver results
  help    Print this message or the help of the given subcommand(s)

Options:
  -h, --help      Print help
  -V, --version    Print version
```

说明

面向显式 ait-server CI 作业的原生执行平面

参数 / 选项	说明
doctor	验证在线 ait-server 的健康契约，不认领作业
execute	从 stdin 或一个具名文件执行一个带类型的原生请求
run-job	认领、执行并完成一对显式指定的 Binary Worker Job
serve	轮询兼容的原生作业，维持其租约并交付结果
help	打印本消息或给定子命令的帮助
-h, --help	打印帮助

参数 / 选项	说明
-V, --version	打印版本

ait-runner doctor

```
Verify the live ait-server health contract without claiming a job

Usage: ait-runner doctor --server <SERVER>

Options:
  --server <SERVER>
  -h, --help          Print help
```

说明

验证在线 ait-server 的健康契约，不认领作业

参数 / 选项	说明
-h, --help	打印帮助

ait-runner execute

```
Execute one typed native request from stdin or a named file

Usage: ait-runner execute [OPTIONS]

Options:
  --request <REQUEST>          [default: -]
  --source-root <SOURCE_ROOT>  [default: .]
  --attempt-root <ATTEMPT_ROOT>
  -h, --help                    Print help
```

说明

从 stdin 或一个具名文件执行一个带类型的原生请求

参数 / 选项	说明
--request <REQUEST>	[default: -]
--source-root <SOURCE_ROOT>	[default: .]
-h, --help	打印帮助

ait-runner run-job

```
Claim, execute, and finish one explicit Binary Worker Job pair

Usage: ait-runner run-job [OPTIONS] --server <SERVER> --repository-index <REPOSITORY_INDEX>
      --worker-job-index <WORKER_JOB_INDEX>

Options:
  --server <SERVER>
  --repository-index <REPOSITORY_INDEX>
  --worker-job-index <WORKER_JOB_INDEX>
  --source-root <SOURCE_ROOT>          [default: .]
  --attempt-root <ATTEMPT_ROOT>
  -h, --help                          Print help
```

说明

认领、执行并完成一对显式指定的 Binary Worker Job

参数 / 选项	说明
--source-root <SOURCE_ROOT>	[default: .]
-h, --help	打印帮助

ait-runner serve

```
Poll for compatible native jobs, maintain their lease, and deliver results

Usage: ait-runner serve [OPTIONS] --server <SERVER> --worker-id <WORKER_ID>

Options:
  --server <SERVER>
  --worker-id <WORKER_ID>
  --repository-index <REPOSITORY_INDEXES>
  --once
  --poll-interval-ms <POLL_INTERVAL_MS>           [default: 1000]
  --heartbeat-interval-ms <HEARTBEAT_INTERVAL_MS> [default: 30000]
  --source-root <SOURCE_ROOT>                     [default: .]
  --attempt-root <ATTEMPT_ROOT>
  -h, --help                                         Print help
```

说明

轮询兼容的原生作业，维持其租约并交付结果

参数 / 选项	说明
--poll-interval-ms <POLL_INTERVAL_MS>	[default: 1000]
--heartbeat-interval-ms <HEARTBEAT_INTERVAL_MS>	[default: 30000]
--source-root <SOURCE_ROOT>	[default: .]
-h, --help	打印帮助

抓取来源

- 产品版本: 1.0.0
- 二进制版本: ait-runner 1.0.0
- 二进制 SHA-256: bf74a577b44464aa7ef82650e9ae740de55b643552047f6353898434e97096a8
- 抓取日期: 2026-08-19

版本权威

1.0.0 源码权威

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PUBLIC SOURCE	https://github.com/weita2026/ait-native/tree/v1.0.0
RELEASE	https://github.com/weita2026/ait-native/releases/tag/v1.0.0
DISTRIBUTION SHA-256	3a36a0886fa39be56d90ef1991ff0ab3c54104783a0cc975fe69bf0e9e768800
CLI PARSER SHA-256	5b56bf0adaf3382f0b499f5b4b4eed0f70c2a6ccabab1d89d4e97c9e785dc138
AIT-CORE	SNP - B06A48DA0245
AIT-SERVER	SNP - E90456E6425E
AIT-RUNNER	SNP - 6B0A1BB3AFAD
AIT-PYTHON	SNP - 973E3BFAF3DE
AIT-NODE	SNP - F962CC66AA62

For the current online edition, search, and route-specific updates, open ait-native.dev/technical/.