



[English](#) |

CI Agent Note



- Node.js 22.19+ 24+ CI 22.19 24 26 [Agent Note](#)
- Corepack `pnpm package.json` `pnpm@11.7.0` `pnpm --version` Corepack `corepack enable`
- Git 2.26 Git `worktree`
- DeepSeek API key Web `headless` ACP Agent Client Protocol `agent` API



```
pnpm install
```

`scripts/install-lefthook.mjs` `worktree` `Left` `dsh-translation-pairing` Git [worktree](#) [Agent Note](#) [At](#)
[Note](#)

`postinstall`

```
node scripts/install-lefthook.mjs
```

Git Agent Note `worktree`

```
pnpm run typecheck
```

pnpm run typecheck



TypeScript

Host Client aggregate tsconfig.host.json Host tsconfig.client.json host/webserver
compaction/compaction typert/registry aggregate leaf

		program
tsconfig.json	solution extends base files: [] aggregate tserver Project Reference paths ts scripts/	
tsconfig.host.json	Host aggregate Host website api/remotes Host project	
tsconfig.client.json	Client aggregate packages/client/* apps/web api/remotes Client project	
tsconfig.base.json	compilerOption paths vitest vite- tsconfig-paths include paths importer	
tsconfig.base.client.json	jsx DOM li types: [] Client aggregate packages/client/* extends	

Host Client aggregate program Context ts.Program solution
paths

- tsconfig.base.json include files extends
- ts.Program tsconfig.host.json tsconfig.client.json solution aggregate Context
- aggregate leaf leaf aggregate Node loc

Host/Client tsconfi api/remotes api/gateway api/session-controller api/workspace-controller client/connection
session-query/session-log-export api/remotes Host Host Typert /remote session-log-export Node
archive tsconfig.json solution agg tsconfig.host.json tsconfig.client.json workspace
constraints Project Reference project compiler face api-remotes
README session-log-export README

```
tsc -b tsconfig.host.json  
tsdown --env.DSH_BUILD_FACE host
```

```
tsc -b tsconfig.client.json
tsdown --env.DSH_BUILD_FACE client
pnpm run build:web
```

tsdown workspace Client DSH_BUILD_FACE Client Client
browser bundle api-remotes [hostPhase: true] Host Client browser b lib/types downsc
JavaScript

Typert Host tsdown tsconfig.host.json Host Host Host-for-Client Remote Clier
pnpm run typecheck Host lib pnpm run build Client tsdown Web Remotes Note

pnpm run build comm DSH_CLIENT_* pnpm run build:official CI release
Vite client bundle release pnpm run dev:web Git

paths src in src lib Host-for-C typecheck lint doc-typecheck *:contracts-
ready sol Type root Note tsdown first Create config Note Typert Remote Agent Note

@Remote @RemoteScope Host Host-for-C api-remotes ctx.remote agentCtx.remote
namespace API Gateway Web

```
pnpm run build
```

```
pnpm run hygiene [ publint [ lib/*.js [ verify-node-next-types [ NodeNext [ pnpm run build /orktree ]
```

DeepSeek agent .env gitignore

```
DEEPSEEK_API_KEY=sk-...
DEEPSEEK_BASE_URL=https://... # optional
```

```
DEEPSEEK_BASE_URL [ DEEPSEEK_API_KEY [ API [ e2e [
```

Git

```
[ .i18n.yaml [ pnpm run resolve-translation-pairing-conflicts [
```

```
[ worktree [ Nod pnpm run resolve-translation-pairing-conflicts [ git merge --abort [ pre-merge- [
commit [ git commit [ MERGE_HEAD [ Agent Note
```


- **TODO** 
- **XXX** 

ts type-equiv ☐

```
``ts type-equiv ``ts [ scripts/type-equiv.manifest.json
```

```
{ "doc": "docs/subsystems/session.md", "symbol": "SessionEvent", "source":  
"packages/core/session/src/types.ts" }
```

pnpm run verify-type-equiv doc-sync [TypeScript] ts public-api "projection": "public-api"
JSDoc [JSDoc] .zh.md [doc-typecheck] manifest [out-out]

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