

# Filesystem & Navigation

Iteration: v1.1

Artifact Type: *Operational Capability Record*

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## Intent

Demonstrate efficient and safe navigation on a remote Linux server. Maintain context while moving across multiple directories and inspect files without risk during live system operations.

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## Operational Scope

- Remote access via `ssh`
  - Context-aware navigation using `pushd`, `popd`, and `cd -`
  - Directory stack visibility using `dirs -v`
  - Structural awareness using `tree` and `ls -R`
  - Safe file inspection using `file`, `less`, and `head`
  - Movement across `/etc`, `/var/log`, and application directories
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## Capability Statement

I can:

- Preserve navigation context across multiple directories
  - Move confidently between logs, configuration files, and applications
  - Inspect unknown files safely without execution or modification
  - Understand directory structure before interacting with it
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## Boundaries

- Read-only exploration
  - No file modification performed
  - No permission or ownership changes attempted
  - No command execution from inspected files
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## Validation Method

- Live remote SSH session
- Screen-recorded demo
- Real-time command execution without cuts

## Evidence / Artifacts

- [Practical Demonstration](#) — Directory stack and safe inspection workflow
  - [Worklog](#) — Iteration and capability tracking
  - [Blog](#) — Lessons and operational insights
  - [Trello](#) — Workcard progress tracking
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## Appendix A — Command List

- `ssh`
  - `pwd`
  - `cd`, `cd -`
  - `pushd`, `popd`
  - `dirs -v`
  - `tree`, `ls -R`
  - `file`, `less`, `head`
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