

ZYVORAI LABS · CUSTOMER DOCUMENTATION

GuestKit

Getting Started

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Offline VM intelligence — inspect disks without booting, score boot readiness, and produce hypervisor-aware fix plans.

What you need

Requirement	Notes
Linux host	qemu-img / losetup / qemu-nbd (<code>qemu-utils</code>)
Disk image	qcow2 / vmdk / raw (guest shut down for writes)
Optional UI	<code>:8088</code> zyvor-ui via GHCR compose

1. Install

```
cargo install questkit  
or install the release binary for your OS  
emu-img --version  
questkit version
```

2. First doctor run

```
guestkit doctor /path/to/disk.qcow2 --target kvm --explain
```

Optional TUI: `guestctl tui /path/to/disk.qcow2 .`

3. Orient yourself

1. **Onboarding** — Getting Started, CLI Guide, Interactive Mode, TUI
2. **Inspection** — Inspect, Filesystems, Packages, Network, Files
3. **Assurance** — Doctor, Migration Plan, Policy, Passport, Fleet
4. **Fix** — Fix Plans, Repair / Rescue

Next steps

- [Using the Dashboard](#) (TUI / optional web)
 - [Admin basics](#)
 - [Common workflows](#)
 - [Page guides](#)
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GuestKit is primarily **CLI + TUI**, with an optional web Image Vault.

Surfaces

Surface	How to open
CLI	<code>guestkit <cmd> / guestctl <cmd></code>
TUI	<code>guestctl tui IMAGE</code> (aliases: <code>guestkit tui</code> , <code>guestkit ui</code>)
Interactive REPL	<code>guestkit interactive IMAGE</code>
File explorer	<code>guestkit explore IMAGE [/path]</code>
Optional web	GHCR compose → <code>http://<host>:8088</code>

TUI keys (Assurance)

Key	Action
d	Doctor
t	Cycle migration target
p	Preview plan
e	Export plan
:	Command palette
h / ?	Help

Browse vs act

Inspect / doctor / export are safe. **Repair**, **plan apply**, and **rescue** mutate disks — shut down the guest, dry-run first, keep a backup.

Related

- [Getting Started](#)
 - [TUI](#)
 - [Common workflows](#)
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End-to-end GuestKit jobs. Prefer CLI; optional TUI / web where noted.

First-hour assurance

1. Install CLI (`cargo install guestkit` or release binary); confirm `qemu-img`
2. [Doctor](#) — `guestkit doctor IMAGE --target kvm --explain`
3. [Migration Plan](#) — export a FixPlan YAML
4. Optional: [TUI](#) — `guestctl tui IMAGE`

Inspect without booting

1. [Inspect](#)
2. [Filesystems](#) → mount in [Interactive Mode](#) if needed
3. [Packages](#) / [Network](#) / [Guest Files](#)

Repair then re-score

1. Doctor blockers
2. [Repair](#) dry-run → apply (guest shut down)
3. Or [Fix Plans](#) — preview → apply
4. Re-run Doctor / passport verify

Fleet wave

1. [Fleet](#) — `fleet analyze` / `wave-plan`
2. [Forensic Diff](#) or `fleet watch` for drift
3. [Policy Gate](#) before cutover

Related

- [Getting Started](#)
- [Page-by-page guides](#)
- [Admin basics](#)