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VERAE TIME × ZAPIER

HOST DEPS

site/packages/verae-bootstrap/HOST-DEPS.md

Host dependencies (scripts/host-deps.sh)

Every Forgejo module on git.georgelambert.org is listed in [host-deps.tsv](#). This script **checks** that the current machine has the OS packages, Node, and (when this host runs JetStream) [nats-server](#). Missing pieces are **downloaded and installed** for the OS it is running on.

OS family	Package tool	Node	nats-server
Debian / Ubuntu	<code>apt-get</code>	official <code>linux- x64 / linux- arm64</code> tarball into <code>\$PREFIX</code>	GitHub release tarball
Alpine	<code>apk</code>	<code>apk add nodejs</code> then musl tarball if still too old	<code>apk add nats-server</code> or glibc release (last resort)
macOS	Homebrew	already on PATH or brew	brew / skip

`$PREFIX` is `/usr/local` as root, otherwise `~/.local`. Put `$PREFIX/bin` on `PATH`.

Do **not** copy `node_modules` from macOS onto Linux (`better-sqlite3` → `invalid ELF header`).
Run `npm install` **on the target OS** (`scripts/install-deps.sh`).

Zapier cloud never talks to NATS. `nats-server` binds **127.0.0.1:4222** only on `ns1-all-in-one` and `ns1-archive`.

Commands

```
git clone ssh://git@git.georgelambert.org:2223/marchon/verae-bootstrap.git
cd verae-bootstrap

# What this box still needs (no changes)
bash scripts/host-deps.sh --check --type ns1-all-in-one

# Install git, curl, Node 22, build tools, nats-server
bash scripts/host-deps.sh --type ns1-all-in-one

# Single module (e.g. a thin Alpine VM that only runs worm)
bash scripts/host-deps.sh --module verae-archive-worm

# Catalog PDF/HTML build tools (pandoc, weasyprint, pypdf)
bash scripts/host-deps.sh --docs --module zapier-docs-master

# Then clone + npm
export VERAЕ_SRC=$HOME/verae-src
bash scripts/fetch.sh ns1-all-in-one
```

`scripts/fetch.sh` runs `host-deps.sh` first so Git/Node exist before clone.

Module → host needs

Module (Forgejo)	Node	npm	native C++	NATS client	Notes
zappier-edge	20	yes	better-sqlite3	yes	Rebuild sqlite on Linux
verae-middleware	22	yes		yes	
verae-zapier-app / verae-activate	18	local zapier CLI only			Runs on Zapier cloud
archive-worm / tree-node / aggregator / splitter	20	yes		yes	
fleet	20	yes			<code>openssh-client</code>
keep, IAM, session, access-*, identity, jobs-events, billing NATS	20	yes		most	
overview, docs-master, user-docs, decisions, nats-accounts, ops	—				Docs only (<code>--docs</code> for catalog build)

Full table: `host-deps.tsv`.

Server types and nats-server

Type	<code>nats-server</code> on this host?
ns1-all-in-one	yes (<code>--nats</code> implied)
ns1-archive	yes
control-plane	no (client to NS1 loopback / private URL)
lan-worker	no (client; lan-134 stays disabled until SSH works)