

From DEVELOPER_SETUP.md

Table of contents

[Which repo for what](#)
[Local PHP \(optional\)](#)
[Lab cluster \(cast01–03\)](#)
[Mobile defaults](#)
[Tests](#)

Source: DEVELOPER_SETUP.md — section links work in PDF viewers that support internal anchors.

Clean machine? Start with docs/FRESH_ENV_CLONE.md (~/repos/ac).

```
mkdir -p ~/repos/ac && cd ~/repos/ac
git clone --branch next --single-branch git://f0xx.org/ac/ac-workspace .
git submodule update --init --recursive
echo 'source "$(git rev-parse --show-toplevel)/ac-be-public-assets/ac-bash.env"' >> ~/.bashrc
git clone git://f0xx.org/ac/ac-workspace
cd ac-workspace
git checkout next
git submodule update --init --recursive
```

Which repo for what

Area	Repo(s)
Android app	ac-mobile-android
Issues / crash console PHP	ac-ms-issues, ac-be-issues, ac-platform-php, ac-platform-web
Auth / 2FA UI	ac-be-auth, ac-ms-identity
Graphs	ac-ms-graphs, ac-be-graphs
Tickets, RBAC, devices, remote access	ac-ms-tickets, ac-ms-rbac, ac-ms-devices, ac-ms-remote-access, matching ac-be- *
URL shortener	ac-ms-url-shortener (submodule in workspace)
Hub / builder	ac-be-hub, ac-be-builder
Nginx FE/BE snippets	ac-platform-edge (fe/ac-fe.conf for Gentoo FE)
DB schema / migrations	ac-platform-db
Lab deploy scripts	ac-deploy (sim/cluster0/)
Docs	ac-docs

Legacy monolith git://f0xx.org/android_cast is **frozen read-only** — do not commit there.

Local PHP (optional)

1. Clone workspace as above.
2. Copy ac-deploy/sim/cluster0/lab-seeds/backend/config/config.example.php → config/config.php and set SQLite or local MariaDB.
3. Point a local vhost at public/ with base_path /app/androidcast_project/issues (see ac-platform-edge fragments).

Lab cluster (cast01–03)

Deployed tree on nodes:

Path	Content
/var/www/ac/workspace/	ac-workspace + submodules
/var/www/ac/composed/backend/	overlay from compose-lab-backend.sh
/var/www/ac/platform/	shared session / footer helpers
cast01 :3000	Gitea browse UI (org ac , pull mirrors)

Scripts: ac-deploy/sim/cluster0/scripts/ — run on cast01 as ai after NFS sync.

Secrets / recovery: docs/SECRETS_AND_RECOVERY.md — passwords, tokens, WireGuard, RSSH.

Lab shared files: cluster/credentials.txt, cluster/secrets.lab.env (from secrets.lab.env.example).

Public lab URL (after FE install): https://ac10.f0xx.org/app/androidcast_project/issues/

Gitea (lab): https://ac10.f0xx.org/app/androidcast_project/git/ac/ — [gitea_admin] in credentials.txt

FE config: ac-platform-edge/fe/INSTALL.md → /etc/nginx/ac-fe.conf on monstro (PO applies).

Mobile defaults

Production REST base: https://apps.f0xx.org/app/androidcast_project/issues/

(ac-mobile-android → BackendEndpoints.ISSUES_BASE). For lab QA, override upload URL in app settings or build flavor.

After migration, **minor app/BE version will bump**; unreleased older mobile builds may be rejected by lab/prod — always build from current next.

Tests

- Android unit: ./gradlew :app:testDebugUnitTest (from ac-mobile-android checkout).
- Cluster verify: ac-deploy/sim/cluster0/scripts/verify_lab_setup.sh --local / --cluster.