

Fresh developer machine — clone guide

From docs/FRESH_ENV_CLONE.md

Table of contents

[Standard layout \(~/repos/ac\)](#)
[Stay up to date](#)
[One-command bootstrap \(alternative\)](#)
[What you get](#)
[After clone](#)
[Lab vs production](#)
[Troubleshooting](#)

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

Use on a **clean laptop**. Canonical org: ac on `git://f0xx.org/ac/*`, branch `next`.

Standard layout (~/.repos/ac)

```
mkdir -p ~/.repos/ac && cd ~/.repos/ac
```

```
git clone --branch next --single-branch git://f0xx.org/ac/ac-workspace .
```

```
git submodule sync --recursive
git submodule update --init --recursive
```

```
echo 'source "$(git rev-parse --show-toplevel)/ac-be-public-assets/ac-bash.env"' >> ~/.bashrc
source ~/.bashrc
```

You now have every `ac-*` submodule under one directory. Docs: `ac-docs/` (start with `DEVELOPER_SETUP.md`).

Stay up to date

From `~/.repos/ac`:

```
git pull --rebase origin next
git submodule sync --recursive
git submodule update --init --recursive
```

Or, after sourcing `ac-bash.env`: `ac-pull`

When child repos change on the server, the workspace root commit updates submodule SHAs — always pull **root first**, then submodule update.

One-command bootstrap (alternative)

```
git clone --branch next --single-branch --depth 1 \
  git://f0xx.org/ac/ac-scripts /tmp/ac-scripts-bootstrap
sh /tmp/ac-scripts-bootstrap/fresh-clone-dev-env.sh -d ~/.repos/ac
```

What you get

Path	Role
<code>ac-mobile-android/</code>	Android app
<code>ac-deploy/</code>	Lab cluster (<code>sim/cluster0/</code>)
<code>ac-docs/</code>	Documentation
<code>ac-be-public-assets/</code>	Shared <code>ac-bash.env</code> (non-secret)
<code>ac-platform-*</code> , <code>ac-ms-*</code> , <code>ac-be-*</code>	Backend stack

Do not clone legacy `git://f0xx.org/android_cast` for new work.

After clone

Task	Where
Repo map, lab URLs	<code>DEVELOPER_SETUP.md</code>
Secrets / recovery	<code>SECRETS_AND_RECOVERY.md</code>
Cursor + second laptop	<code>CURSOR_SECONDARY_LAPTOP.md</code>
Android build	<code>cd ac-mobile-android && ./gradlew :app:assembleDebug</code>

Lab vs production

Environment	Issues API
Production	<code>https://apps.f0xx.org/app/androidcast_project/issues/</code>
Lab cluster	<code>https://ac10.f0xx.org/...</code> (after <code>FE ac-fe.conf</code>)

Troubleshooting

Symptom	Fix
<code>git://f0xx.org</code> unreachable	VPN/LAN to git host
Empty submodule dir	<code>git submodule update --init --recursive</code>
Wrong branch	<code>git checkout next && git submodule foreach git checkout next</code>