

AZLE OVERDRIVE



Development Environment Setup Guide

Welcome to **Azle Overdrive**! Before we start building, make sure you've configured your system using the steps below.

⚠ Recommended OS: **Ubuntu Desktop v22.04 LTS**
You may install it natively or run it in a virtual machine.

1 Ubuntu Desktop v22.04 LTS

📦 Native Installation (Recommended)

1. Download Ubuntu 22.04 LTS:
👉 <https://ubuntu.com/download/desktop>
2. Use [Rufus](#) (Windows) or [Etcher](#) (macOS/Linux) to create a bootable USB.
3. Boot from USB and follow the install instructions:
 - Choose "Erase disk" for clean install, or
 - Choose "Install alongside" to dual-boot

💻 Virtual Machine Alternative

1. Install a VM like [VirtualBox](#) or VMware Player
 2. Create a new VM and allocate:
 - 2+ CPUs
 - 4+ GB RAM
 - 25+ GB Disk Space
 3. Mount the Ubuntu 22.04 ISO and complete installation.
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2 Install VSCode

Via Terminal (Ubuntu)

```
sudo apt update
sudo apt install software-properties-common apt-transport-https wget -y
wget -q https://packages.microsoft.com/keys/microsoft.asc -O- | sudo
apt-key add -
sudo add-apt-repository "deb [arch=amd64]
https://packages.microsoft.com/repos/vscode stable main"
sudo apt update
sudo apt install code
```

3 Install NVM + Node.js v23.3.0

Install NVM (Node Version Manager)

```
curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.7/install.sh |
bash
source ~/.bashrc
```

You may also need to restart your terminal or run:

```
source ~/.nvm/nvm.sh
```

Install Node v23.3.0 Using NVM

```
nvm install 23.3.0
nvm use 23.3.0
nvm alias default 23.3.0
```

4 Install DFXVM + DFX v0.25.0

DFXVM (DFX Version Manager)

```
curl -sSL https://sdk.dfinity.org/install.sh | bash
```

This will install `dfxvm`, which manages multiple versions of the Internet Computer SDK.

✓ Use DFX v0.25.0

```
dfxvm install 0.25.0
dfxvm use 0.25.0
```

5 GitHub Access

Make sure you have:

- A GitHub account: <https://github.com/join>

Git installed:

```
sudo apt install git
```

- SSH or HTTPS access set up
- The ability to clone repos like this:

```
git clone https://github.com/id-daniel-mccoy/azle-overdrive.git
cd azle-overdrive
```

6 Create a Plug Wallet

🔑 What is Plug?

Plug is a browser extension that acts as your **ICP wallet and identity**. You'll use Plug to authenticate into apps and sign transactions in later sessions.

🧩 Setup Instructions

1. Visit: <https://plugwallet.ooo>
 2. Install the extension for Chrome/Brave/Edge
 3. Follow the steps to create a wallet (save your seed phrase)
 4. Test that Plug is connected by clicking the extension
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✓ You're Ready!