☰   Platforms overview › **Windows (WSL2)**

Platforms overview

Windows (WSL2)

OpenClaw on Windows is recommended **via WSL2** (Ubuntu recommended). The CLI + Gateway run inside Linux, which keeps the runtime consistent and makes tooling far more compatible (Node/Bun/pnpm, Linux binaries, skills). Native Windows might be trickier. WSL2 gives you the full Linux experience — one command to install: `wsl --install` .

Native Windows companion apps are planned.

Install (WSL2)

Getting Started (use inside WSL)

Install & updates

Official WSL2 guide (Microsoft):
https://learn.microsoft.com/windows/wsl/install

Gateway

Gateway runbook

Configuration

Gateway service install (CLI)

Inside WSL2:

```
openclaw onboard --install-daemon
```

Or:

```
openclaw gateway install
```

Or:

```
openclaw configure
```

Select **Gateway service** when prompted.

Repair/migrate:

```
openclaw doctor
```

Advanced: expose WSL services over LAN (portproxy)

WSL has its own virtual network. If another machine needs to reach a service running **inside WSL** (SSH, a local TTS server, or the Gateway), you must forward a Windows port to the current WSL IP. The WSL IP changes after restarts, so you may need to refresh the forwarding rule.

Example (PowerShell **as Administrator**):

```
$Distro = "Ubuntu-24.04"
$ListenPort = 2222
$TargetPort = 22
                      ›

$WslIp = (wsl -d $Distro -- hostname -I).Trim().Split(" ")[0]
if (-not $WslIp) { throw "WSL IP not found." }

netsh interface portproxy add v4tov4 listenaddress=0.0.0.0 listenport=$ListenPort
  connectaddress=$WslIp connectport=$TargetPort
```

Allow the port through Windows Firewall (one-time):

```
New-NetFirewallRule -DisplayName "WSL SSH $ListenPort" -Direction Inbc
  -Protocol TCP -LocalPort $ListenPort -Action Allow
```

Refresh the portproxy after WSL restarts:

```
netsh interface portproxy delete v4tov4 listenport=$ListenPort listena
netsh interface portproxy add v4tov4 listenport=$ListenPort listenaddress=0.0.0.0
  connectaddress=$WslIp connectport=$TargetPort | Out-Null
```

Notes:

SSH from another machine targets the **Windows host IP** (example: `ssh user@windows-host -p 2222`).

Remote nodes must point at a **reachable** Gateway URL (not `127.0.0.1`); use `openclaw status --all` to confirm.

Use `listenaddress=0.0.0.0` for LAN access; `127.0.0.1` keeps it local only.

If you want this automatic, register a Scheduled Task to run the refresh step at login.

Step-by-step WSL2 install

1) Install WSL2 + Ubuntu

Open PowerShell (Admin):

```
wsl --install
# Or pick a distro explicitly:
wsl --list --online
wsl --install -d Ubuntu-24.04
```

Reboot if Windows asks.

2) Enable systemd (required for gateway install)

In your WSL terminal:

```
sudo tee /etc/wsl.conf >/dev/null <<'EOF'
[boot]
systemd=true
EOF
```

Then from PowerShell:

```
wsl --shutdown
```

Re-open Ubuntu, then verify:

```
systemctl --user status
```

3) Install OpenClaw (inside WSL)

Follow the Linux Getting Started flow inside WSL:

```
git clone https://github.com/openclaw/openclaw.git
cd openclaw
pnpm install
pnpm ui:build # auto-installs UI deps on first run
pnpm build
openclaw onboard
```

Full guide:

Windows companion app

We do not have a Windows companion app yet. Contributions are welcome
if you want contributions to make it happen.

‹ Linux App   Android App ›

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