

Installation & Deployment

Five ways to deploy Oracle Health Dashboard, from the personal desktop to the corporate server. Pick the one that fits your environment.

5 methods

Windows · Linux

Docker · systemd · MSI

CHAPTER

01 - Choose the method

Each method serves a different scenario. This table guides you.

METHOD	FOR WHOM	AUTO-START	MULTI-USER
01 Desktop (.exe)	A DBA on their PC	No	No
02 Windows Service	A Windows server	Yes	Yes (with proxy)
03 MSI installer	Corporate IT, many machines	Yes	Yes (with proxy)
04 Docker (Linux) ★	Modern Linux server	Yes	Yes (with proxy)
05 systemd (Linux)	Linux server without Docker	Yes	Yes (with proxy)

i Common to all: the Oracle driver works in *thin* mode (no Instant Client) and uses base views only (no Diagnostic/Tuning Pack). It listens on **127.0.0.1** by default; for network access put it behind an HTTPS proxy.

CHAPTER

02 - Requirements

The minimum for any method.

REQUIREMENT	DETAIL
OS	Windows 10/11, Windows Server 2016+, or Linux with systemd / Docker
Oracle	12c through 23ai (XE/SE2/EE; thin mode, minimum 12.1)
Oracle user	Read-only: CREATE SESSION + SELECT_CATALOG_ROLE
Network	TCP access to the listener (usually 1521)
Oracle Client	Not required

RECOMMENDED MONITORING USER

SQL

```
CREATE USER dba_monitor IDENTIFIED BY *****;  
GRANT CREATE SESSION TO dba_monitor;  
GRANT SELECT_CATALOG_ROLE TO dba_monitor;
```

METHOD 01

Desktop — portable .exe

For a DBA on their own PC. No installation and no admin rights.

1 Copy the .exe to a folder of yours

For example C:\OHD\. It stores its data in a data\ subfolder next to the .exe.

2 Double-click

Opens the browser at <http://127.0.0.1:5000>.

3 Activate the license

Send your Machine ID; paste the License Key.

▲ Do not leave it in **C:\Program Files** (it cannot write there). If the folder is not writable it falls back to **%LOCALAPPDATA%\OHD**.

METHOD 02

Windows Service

For a Windows server: auto-start, restart on failure, available to several users.

A **one-click installer (OHD-Servicio-Setup.exe)** registers the service. Double-click, type the password, done: no scripts, no manual editing.

1 Double-click the setup

OHD-Servicio-Setup.exe → accept the UAC prompt.

2 Type the password

The wizard applies it for you (or use /PWD=key when silent).

3 Verify

Get-Service OHD must be “Running”; open <http://127.0.0.1:5000>.

i Data in **C:\ProgramData\OHD** (per-machine license). Logs in **C:\ProgramData\OHD\logs\ohd.log**.

METHOD 03

MSI installer (corporate)

To deploy to many machines via GPO / SCCM / Intune.

The **OHD.msi** package comes **ready** in delivery 03 (nothing to build). It installs into Program Files, sets machine variables, creates shortcuts and **registers and starts the OHD Windows service** during installation.

SILENT INSTALL

POWERSHELL

```
msiexec /i OHD.msi OHD_ADMIN_PASSWORD=yourStrongKey /qn /norestart
```

- ✦ The service is left running automatically (via WinSW, natively registered by the MSI). The **OHD_ADMIN_PASSWORD** parameter is injected into **ohd-service.xml** before the service starts: zero manual steps.

METHOD 04 ★

Linux server — Docker

The cleanest, most reproducible way on Linux: isolated container, persistent data, auto-start.

BASH

```
cd entregas/04-Linux-Docker
cp .env.example .env      # set OHD_ADMIN_PASSWORD
docker compose up -d --build
curl -s http://127.0.0.1:8080/api/health
```

- › Image based on python:3.12-slim, runs as a **non-root** user.
- › Oracle driver in thin mode → **no Instant Client** .
- › Data in the **ohd_data** volume; mounts host **/etc/machine-id** for a stable license.
- › Built-in healthcheck; **restart: unless-stopped** .

▲ The port is published only on **127.0.0.1:8080**. For network access put nginx/Caddy with TLS in front and set **OHD_COOKIE_SECURE=1**.

METHOD 05

Linux server — systemd

Native install without Docker: virtualenv at /opt/ohd managed by systemd.

BASH

```
sudo bash deploy/install-linux.sh
sudo nano /etc/ohd/ohd.env    # OHD_ADMIN_PASSWORD
sudo systemctl restart ohd
systemctl status ohd
```

Creates the **ohd** user, a venv at /opt/ohd, data in **/var/lib/ohd** and a hardened systemd unit (NoNewPrivileges, ProtectSystem=strict, ProtectHome). Logs: **journalctl -u ohd**.

CHAPTER

08 - Network access with HTTPS

By default the dashboard listens on loopback. To publish it securely, put it behind a reverse proxy with TLS.

NGINX EXAMPLE

NGINX

```
server {  
    listen 443 ssl;  
    server_name ohd.your-company.com;  
    ssl_certificate      /etc/ssl/certs/ohd.crt;  
    ssl_certificate_key  /etc/ssl/private/ohd.key;  
    location / {  
        proxy_pass http://127.0.0.1:8080;    # or 5000 (Windows/systemd)  
        proxy_set_header X-Forwarded-Proto https;  
    }  
}
```

✗ **Never** expose the bind on **0.0.0.0** over plain HTTP on a network. Keep the localhost default and publish only via a TLS proxy, or restrict by firewall / VPN.

CHAPTER

09 - License activation

The same offline flow across all methods.

1

Get the Machine ID

On the activation screen (or open `http://127.0.0.1:PORT` on the server).

2

Send it to the vendor

`support@rarexa.com` + order number.

3

Paste the License Key

Received by email. 100% offline activation.

i The license is bound to the machine Machine ID (stable). In server mode it is per-machine.