



Deynao

Oracle supervision and diagnostics

Deynao — Installing the Server edition (Windows service)

24/7 monitoring as a Windows service — starts with the server,
even with no session open

Audience — System administrator · IT department · DBA

Level — Beginner — guided step by step (administrator rights required)

Guide version — 1.0

Deynao — Installing the Server edition (Windows service)

The **Server** edition of Deynao installs as a **Windows service**: Deynao starts **with the server**, runs **with no session open**, **survives reboots** and monitors your Oracle databases **around the clock**. It is the recommended installation mode for **permanent monitoring** in production.

This guide walks you through it **step by step**, from the ZIP file to a **running Windows service** with the license activated — designed to be followed in order, screen by screen, by the person doing the installation.

 **Two packages, two purposes.** The **Server package** (this guide) installs Deynao as a **Windows service** for **permanent 24/7 monitoring**: it starts with the server, even with no session open. To **evaluate** Deynao or run **point-in-time diagnostics** on a workstation, without administrator rights, Deynao also ships as a **portable edition** — see the **Installing the portable edition** guide.

Step 1 — What you need

Before you start, gather these items. The list is **deliberately short**: the package is **self-sufficient** (Python is included, nothing to install beforehand).

Item	Detail
The Deynao package	The <code>Deynao-Serveur-<version>.zip</code> file provided by the Deynao team, copied onto the server.
An administrator account	The installation creates a Windows service : PowerShell must be run as administrator .
The server	64-bit Windows Server, powered on permanently (it is the machine that will monitor your databases 24/7).
Nothing else	The package is self-sufficient : Python is included, nothing to install beforehand.

 **Checking the ZIP's integrity.** The package ships with a `.sha256` file. The command `Get-FileHash .\Deynao-Serveur-<version>.zip -Algorithm SHA256` must produce a hash identical to the contents of the `.sha256` file.

Step 2 — Extract the package

Copy the ZIP into a working folder (for example `C:\Deynao\`), then **right-click** the file: **Extract All** (or, with 7-Zip, **Extract Here**).

 **Why are there no screenshots in this guide's Windows steps?** The Windows and PowerShell screens run in the operating system's own language. The actions are identical everywhere, and every command is given in full as text — simply type it as shown.

Step 3 — Open PowerShell as administrator

In the Start menu, type `PowerShell`, then choose **Run as administrator**. This is essential: the installation registers a **Windows service**.

Step 4 — Move into the package folder

The extracted folder contains `app\`, `runtime\`, `service\`, the scripts `install.ps1`, `uninstall.ps1`, `update.ps1`, the `check-deynao.ps1` probe and the `winSW-x64.exe` service manager (with its license), which makes the installation **fully offline**. In the PowerShell window:

```
cd "C:\Deynao\Deynao-Serveur-<version>"
```

Step 5 — Run the installation

A single command installs everything:

```
powershell -ExecutionPolicy Bypass -File install.ps1 -SourceDir . -InstallDir C:\Deynao -Port 8000 -BindAddress 127.0.0.1
```

The parameters, in short:

Parameter	Role
<code>-SourceDir .</code>	Installs the pre-compiled package as provided (no code download, no tooling required).
<code>-InstallDir C:\Deynao</code>	The service's installation folder (must be different from the extracted package folder).
<code>-Port 8000</code>	The web interface port.
<code>-BindAddress 127.0.0.1</code>	The interface's listening address: see the choice below.

Choosing the listening address: who will be able to open the interface?

Installation time is when this choice is easiest to make:

Your need	Value to use	Also required
Interface used only on the server itself (RDP connection to administer)	<code>-BindAddress 127.0.0.1</code> (the safe default choice)	Nothing
Interface opened from the administrators' / DBAs' workstations (and an external monitoring probe)	<code>-BindAddress 0.0.0.0</code>	Open port 8000 in the Windows firewall (command below)

If you choose access from other workstations, also run (in the **same administrator PowerShell window**):

```
New-NetFirewallRule -DisplayName "Deynao 8000" -Direction Inbound -Protocol TCP -LocalPort 8000 -Action Allow
```

The interface will then be reachable from a workstation at `http://NOM_DU_SERVEUR:8000` (your server's name).

 **This choice is not final.** Re-running `install.ps1` with the other `-BindAddress` value changes the listening address **without losing anything** (key, data and license are kept). If a network firewall sits between your workstations and the server, your **security team** will also have to allow the inbound 8000 flow: the **flow matrix** to hand them is in the **Network prerequisites** guide provided by Deynao, which also describes how to restrict access to a few IP addresses only.

Step 6 — The installation runs

The script works through its steps: **encryption key** generated (first installation), deployment to `C:\Deynao`, service registration and start. It ends with a summary and the **next steps**.

 **Your data is preserved.** The **encryption key** is generated **once** and preserved by every update. The `data\` folder (settings, history, license) is **never** erased by a reinstallation.

Step 7 — Server without Internet access: a normal, planned case

Many servers have no Internet access: this case is **normal and planned for**. The **Deynao-Server** package includes **WinSW** (the service manager) at its root: the installation runs **fully offline**, with no download at all. At step [6], the script simply reports that WinSW is provided in the package — you can skip straight to Step 8.

What follows is a **fallback**, which only concerns an **older package built without WinSW**: for those packages only, the script tries to download WinSW on the first installation. Without Internet access, step [6] then fails with an `Invoke-WebRequest` error (unable to connect to the remote server).

Solution — two options to obtain the file:

1. **Option A:** from a machine **with** Internet access, download `WinSW-x64.exe` version **2.12.0** from the official page (github.com/winsw/winsw, *Releases* section), then copy it onto the server (network share, USB stick).
2. **Option B:** ask your **Deynao contact** for the `WinSW-x64-2.12.0.exe` file.

Then, **in the same administrator PowerShell window**, from the folder where the file was copied:

```
Copy-Item .\WinSW-x64.exe "$env:TEMP\WinSW-x64-2.12.0.exe"
```

Re-run the installation command (Step 5): the script reports WinSW as cached and the rest runs **entirely offline**.

 **The %TEMP% trap.** `%TEMP%` is a folder specific to **each Windows user**. The `Copy-Item ... "$env:TEMP\..."` command above, run in the **same window** as the installation, guarantees the right location. The `WinSW-x64-2.12.0.exe` name must be **exact**. Do **not** create a folder literally named "%TEMP%" by hand: to open it in Explorer, type `%TEMP%` in the **address bar**.

Step 8 — Check the Windows service

Open the services console (`services.msc`): the **Deynao** service is **Running**, startup type **Automatic** — it will restart **on its own** with the server, **with no session open**.

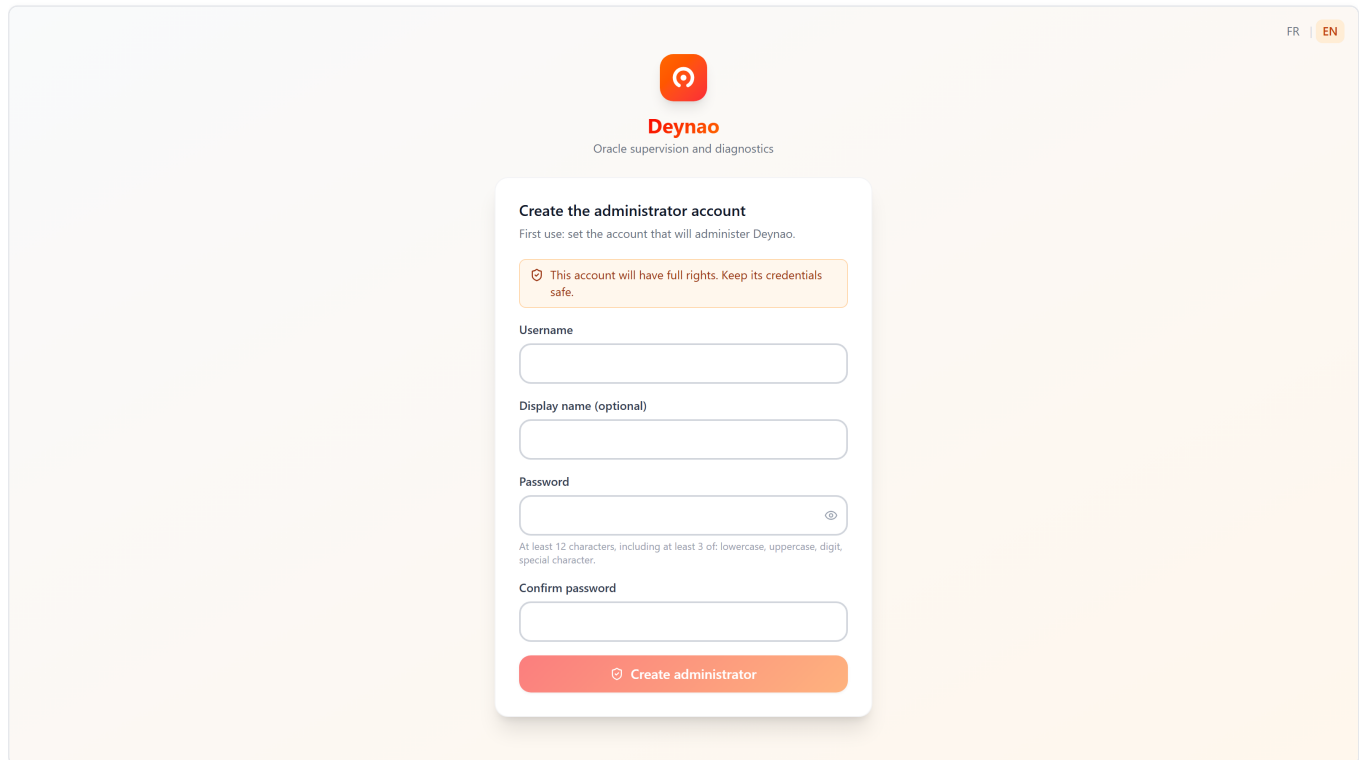
Step 9 — The installed folder tree

In `C:\Deynao`, you will find a simple structure:

Item	Role
<code>app\</code> and <code>runtime\</code>	The program. Replaced at every update.
<code>data\</code>	Your data (settings, history, license). Never touched .
<code>logs\</code>	The service's log files.
<code>.env</code>	The configuration, including this installation's encryption key .
The service manager	The component that runs Deynao as a Windows service.

Step 10 — First access: create the administrator account

On the server, open `http://127.0.0.1:8000` (or, if you chose network access in Step 5, `http://NOM_DU_SERVEUR:8000` from your workstation): Deynao offers to create the application's **administrator account** — the first user, who will have full rights. **Keep these credentials safe.**



The screenshot shows the Deynao web interface. At the top, there is a logo and the text 'Deynao Oracle supervision and diagnostics'. In the top right corner, there are language selection buttons for 'FR' and 'EN'. The main content area is a white card titled 'Create the administrator account' with a subtitle 'First use: set the account that will administer Deynao.' Below the title is a warning box: 'This account will have full rights. Keep its credentials safe.' The form contains four input fields: 'Username', 'Display name (optional)', 'Password', and 'Confirm password'. The 'Password' field has a small eye icon to toggle visibility and a note below it: 'At least 12 characters, including at least 3 of: lowercase, uppercase, digit, special character.' At the bottom of the card is an orange button labeled 'Create administrator'.

Step 11 — First screen: the database fleet

After logging in, the **database fleet** is displayed, empty for now. A banner points out that no **license** is installed yet: that is the next step.

Check the installed version while you are here. The bottom of the sidebar shows the product's version number. It must match the package you deployed: this is the simplest way to confirm the service is running the expected version, and the first detail to give support if you ever have a question.

Step 12 — Activate the license

In **Settings, License** section: **paste the key** provided by the Deynao team, then click **Activate**.

The license takes effect **immediately**: **Valid** status, edition, expiry date and number of **covered instances** are displayed.



License

Deynao product license.

Status

Valid

Edition

Pro

Client

Environnement de demonstration

Expiry

8/31/2027 — 365 days left

Covered instances

30

Features

alerting, multibase

Paste your license key

Paste the key provided by Deynao here...

 Activate

 **Verified offline.** The key is validated by **cryptographic signature** (Ed25519), with **no Internet call whatsoever** — consistent with Deynao's **100% on-premise** promise.

The **Deynao Health** card, just below, confirms in passing that the service is **operational** (internal database, collector, e-mail queue).

 The details (renewal, key change, frequently asked questions) are in the **Activating your license** guide provided by Deynao.

Step 13 — What next?

Your installation is complete. The next steps happen **in the interface**, and the kit's guides walk you through them:

- **Add your first Oracle connection** (button visible on the fleet). Deynao provides a **ready-to-run GRANT script** to create a **dedicated, read-only monitoring account** on your databases. To then explore the dashboards, domains and recommendations: the **Getting started** guide.
- **Enable automatic monitoring** on the databases you choose and configure **email alerting** (Settings), to be notified even with nobody at the screen: the **Autonomous supervision** guide (24/7 collector, rules, daily report, dedicated **GRANT** account).

 **Oracle 11g databases.** Install **Oracle Instant Client** (recommended: version 19c) then **restart the service**; see the Windows operations guide provided by Deynao.

Step 14 — Updating and uninstalling

Updating: when a newer package is provided to you, the `update.ps1` script it contains replaces the program (`app\` and `runtime\`) while **keeping your data**, your license and your encryption key. If the update fails, it **rolls back automatically**.

Uninstalling: from the package folder, in an **administrator** PowerShell:

```
powershell -ExecutionPolicy Bypass -File uninstall.ps1 -InstallDir C:\Deynao
```

The service and the program are removed, but `data\` and `.env` (your data, the license, the encryption key) are **kept** for a future reinstallation.

⚠ **Erasing everything.** To delete the data **permanently**, re-run `uninstall.ps1` with `-PurgeData` — this is **irreversible**.

Step 15 — Troubleshooting

Symptom	Likely cause	Fix
The service does not appear in <code>services.msc</code>	The installation did not complete	Re-run <code>install.ps1</code> in an administrator PowerShell (Step 5).
The installation fails at step [6] (download)	An older package (without bundled WinSW) and no Internet access	A planned case: follow the fallback in Step 7 (offline WinSW).
Port 8000 is already in use	Another application holds the port	Re-run <code>install.ps1</code> with <code>-Port</code> and another value (e.g. <code>9000</code>).
The interface is unreachable from a workstation	Listening address set to <code>127.0.0.1</code> , or a firewall	Revisit the listening address choice of Step 5 (<code>-BindAddress 0.0.0.0</code> + firewall rule).
License rejected	Key truncated on paste	Re-paste the whole key ; check the edition and expiry with Deynao.

💡 **Where to look?** The service's logs are in `<InstallDir>\logs` and the application's in `data\logs` . If you are stuck: your Deynao contact.

Deynao — Oracle supervision and diagnostics, 100% on-premise. Your data stays with you.