

InteractivAI Data Connector

Installation Guide

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Applies To: InteractivAI-Connectors 1.1.x

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Overview

The InteractivAI Connectors installer bundles the InteractivAI Data Connector application and optional Petrel plugins into a single setup file so you only have to run one installer.

Component	What It Does
InteractivAI Data Connector	Desktop application that connects Petrel to InteractivAI, DataHub, and optionally FAST for seismic data processing and visualization
Petrel 2023 Plugin	Integrates InteractivAI into Schlumberger Petrel 2023 Workstation (optional)
Petrel 2024 Plugin	Integrates InteractivAI into Schlumberger Petrel 2024 Workstation (optional)

The installer also includes one third-party component that is required for the bootstrapper to work. You do not need to install it separately.

Dependency	Why It Is Needed
.NET Framework 4.7.2	Microsoft runtime required by the installer bootstrapper and Petrel plugins

System Requirements

Requirement	Minimum
Operating System	Windows 11 or Windows Server 2019
GPU Memory	24 GB
CPU Memory (RAM)	128 GB
Disk	1 TB SSD
Petrel	Petrel 2023 or Petrel 2024 (required only for Petrel plugin features)
Privileges	Administrator rights required (installer is per-machine only)

Note: GPU memory, CPU memory, and disk space requirements may vary depending on the size of your datasets, the workflows you run, and any additional software in your environment. The values listed above are minimum recommendations for typical workloads.

Before You Begin

Before you start the installer, make sure your machine meets the above-mentioned system requirements and the other items listed below. Gathering this information first will make the installation quick and smooth.

Note: What you will need: (1) Petrel 2023 and/or Petrel 2024 already installed (if you want the plugins), (2) Administrator rights (the installer always installs per-machine for all users), (3) BLUWARE_LICENSE environment variable set to your license server (e.g. 5053@license_server).

1. Check that Petrel is installed. The Petrel plugins require Petrel 2023 or Petrel 2024 to be installed on the machine. The installer detects which Petrel versions are present and enables the corresponding plugin checkboxes automatically. If no Petrel installation is found, the plugin checkboxes will be disabled.
2. Check for previous installations. If you have an older version of InteractivAI Data Connector, the installer will upgrade it in place automatically. No manual uninstall is required.
3. Make sure you have administrator rights. The InteractivAI Data Connector and Petrel plugins install per-machine and require administrator privileges. If Windows asks "Do you want to allow this app to make changes to your device?", click Yes.
4. Set up the BLUWARE_LICENSE environment variable. Before you can launch the InteractivAI Data Connector, the BLUWARE_LICENSE environment variable must be set to your license server address. The format is port@hostname, for example: 5053@license_server. Ask your IT administrator for the correct license server address if you do not have it. To set it, open System Properties > Environment Variables and add a new System variable named BLUWARE_LICENSE with the value provided by your administrator.
5. Know your environment URLs. After installation, the InteractivAI Data Connector needs to know the URLs for InteractivAI, DataHub, and optionally FAST services. These are configured in the config file created during installation. Ask your IT administrator for these values if you do not have them.

Interactive Installation

This is the recommended method for most users. Follow the steps below to install InteractivAI Data Connector using the graphical installer.

Step 1 -- Launch the installer

Double-click the file named InteractivAI-Connectors-<version>-<revision>.exe. If Windows asks "Do you want to allow this app to make changes to your device?", click Yes. The License Agreement screen will appear.

Step 2 -- Read and accept the license agreement

The license agreement is displayed on the first screen. Read through the terms, then tick the checkbox "I agree to the license terms and conditions". The Install and Options buttons will become active.

Step 3 -- Configure your settings (Options)

Click the Options button to open the settings dialog. Select which optional Petrel plugins to install.

Field	Required?	What to Enter
Install Petrel 2023 Plugin	No	Check this to install the InteractivAI plugin for Petrel 2023. Enabled only if Petrel 2023 is detected on the machine.
Install Petrel 2024 Plugin	No	Check this to install the InteractivAI plugin for Petrel 2024. Enabled only if Petrel 2024 is detected on the machine.

Step 4 -- Save your settings

Click OK in the Options dialog to save your settings and return to the Welcome screen.

Step 5 -- Start the installation

Click the Install button. A progress bar will show the status of each component being installed. This typically takes a few minutes.

Step 6 -- Finish

When the installation is complete, you will see a confirmation screen. Click Close to exit the installer.

Note: Petrel plugin checkboxes are only enabled when the corresponding Petrel version is detected on the machine. If a checkbox is grayed out, install Petrel first, then re-run this installer.

Upgrades

When the installer detects a compatible existing installation of InteractivAI Data Connector, it upgrades each component in place. Your previous configuration is preserved automatically. No manual uninstall is required.

If a newer version is already installed, the installer will show the Repair and Uninstall options instead of the Install page.

Default Install Paths

Component	Default Path
InteractivAI Data Connector	C:\Program Files\Bluware\InteractivAI-Connectors
Petrel 2023 Plugin	<Petrel 2023 install>\Extensions\Installers\<ProductCode>
Petrel 2024 Plugin	<Petrel 2024 install>\Extensions\Installers\<ProductCode>

Getting Started After Installation

Congratulations -- InteractivAI Data Connector is now installed! Here is what to do next.

Launch the InteractivAI Data Connector

Open the Start Menu and search for "InteractivAI Data Connector", or double-click the desktop shortcut. The InteractivAI Data Connector application will start and appear in your system tray.

Open Petrel with the Plugin

If you installed the Petrel plugin, launch Petrel as usual. The InteractivAI plugin will load automatically. You should see the InteractivAI menu or toolbar in Petrel.

Configure the InteractivAI Data Connector

On first launch, the installer creates a default configuration file. You may need to update it with your environment-specific URLs. The configuration file is located at:

```
%APPDATA%\Bluware\DataConnector\DataConnectorConfig.ini
```

Note: The default configuration assumes that InteractivAI and DataHub are running on the same machine as the InteractivAI Data Connector (localhost). If InteractivAI or DataHub is running on a different machine or hosted on a Kubernetes (K8s) cluster, you MUST update `interactivai_url` and `datahub_url` to point to the correct server addresses. For example, if InteractivAI is running on a remote server, change `interactivai_url` from `http://localhost:3090` to `http://your-server:3090`. Similarly, if DataHub is on a different machine, change `datahub_url` from `http://localhost:9000` to `http://your-datahub-server:9000`. If these services are running on a K8s cluster, use the cluster URLs provided by your IT administrator (e.g. `https://interactivai.example.com` and `https://datahub.example.com`). The InteractivAI Data Connector will not be able to connect to these services unless the URLs are correct.

Key settings to configure:

Setting	Default	Description
interactivai_url	http://localhost:3090	InteractivAI server URL. Change this if InteractivAI runs on a remote server or K8s cluster.
datahub_url	http://localhost:9000	DataHub server URL. Change this if DataHub runs on a remote server or K8s cluster.
datahub_user_id	<Windows username>	User ID for DataHub. Defaults to current Windows username.
fast_url	http://localhost:27182	FAST server URL (optional)
petrel_grpc_url	localhost:50000	Petrel plugin gRPC address
zgy_output_path	%TEMP%\ZGY	Output directory for ZGY files
connector_grpc_url	localhost:50001	InteractivAI Data Connector gRPC address
connector_log_level	20 (INFO)	DEBUG=10, INFO=20, WARNING=30, ERROR=40, CRITICAL=50

Verify Your Installation

Use the checks below to confirm that everything was installed correctly.

1. InteractivAI Data Connector -- Open the Start Menu and search for "InteractivAI Data Connector". Click to launch it. The application should start and show in the system tray.
2. Petrel GUI -- Launch Petrel 2023 or 2024, then create a new project or open an existing one. Once a project is open, look for the InteractivAI data connector icon in the toolbar -- it should be visible and enabled. You can also confirm the plugins are loaded by opening the Petrel Plugin Manager and checking that InteractivAI petrel plugins are listed there.
3. Configuration -- Open a command prompt and verify the config file exists.

```
dir "%APPDATA%\Bluware\DataConnector\DataConnectorConfig.ini"
```

If any of these checks fail, see the Troubleshooting section at the end of this guide.

What the Installer Configures

This section is for IT administrators. If you installed InteractivAI Data Connector using the interactive method, you can skip this section -- everything described here was set up for you automatically.

Registry Entries

The installer writes configuration values to the Windows registry under HKLM (per-machine installation).

Key	Value	Content
Software\Bluware\InstalledProducts\InteractivAI-Connectors	InstallLocation	InteractivAI Data Connector install path
HKCU\Software\Bluware\InteractivAI-Connectors	installed	Set to 1 when installed
HKCU\Software\Bluware\InteractivAI-Connectors	folder	Start Menu folder created

Shortcuts

The installer creates the following shortcuts:

Shortcut	Location
InteractivAI Data Connector	Desktop
InteractivAI Data Connector	Start Menu > Bluware

Configuration File

On first install, a PowerShell script creates a default configuration file at:

```
%APPDATA%\Bluware\DataConnector\DataConnectorConfig.ini
```

All registry entries, shortcuts, and Petrel plugins are automatically removed when you uninstall InteractivAI Data Connector.

Note: The configuration file in %APPDATA% is not removed during uninstall, preserving your settings if you reinstall later.

Uninstallation

If you need to remove InteractivAI Data Connector from your computer, you can do so through the Windows interface or the command line.

Interactive Uninstall

1. Open Windows Settings > Apps > Installed apps.
2. Find InteractivAI Data Connector in the list and click Uninstall.
3. Alternatively, re-run the original installer .exe -- it will detect the existing installation and offer Repair and Uninstall options.

Command-Line Uninstall

```
InteractivAI-Connectors-<version>-<revision>.exe /uninstall /quiet /norestart
```

What Gets Removed

Uninstalling InteractivAI Data Connector removes:

- The InteractivAI Data Connector application and all installed files
- All Petrel plugins that were installed
- Desktop and Start Menu shortcuts
- Registry entries under Software\Bluware\InstalledProducts\InteractivAI-Connectors

Note: .NET Framework 4.7.2 is a shared component used by other programs. It is not removed during uninstall. Configuration files in %APPDATA% are also preserved.

Troubleshooting

Viewing Logs

The installer writes log files to your temporary folder (%TEMP%). To write the log to a specific location:

```
InteractivAI-Connectors-<version>-<revision>.exe /install /log C:\Logs\iai-connector.log
```

Common Issues

Problem	What to Do
Petrel plugin checkbox is grayed out	Install Petrel 2023 or 2024 first, then re-run the installer
Petrel does not show the InteractivAI plugin	Restart Petrel after installation. Check that the plugin was selected during install.
InteractivAI Data Connector fails to connect	Edit DataConnectorConfig.ini in %APPDATA%\Bluware\DataConnector and verify all URLs
UAC prompt appears	Click Yes -- administrator rights are required for per-machine installation
Installation fails with error code	Check the log file in %TEMP% for details. See Exit Codes below.

Exit Codes

The following exit codes are returned by the installer. IT administrators can use these in deployment scripts to detect success or failure.

Exit Code	Meaning
0	Success
1602	User cancelled installation
1641	Success, reboot initiated
3010	Success, reboot required (use with /norestart)
1603	Fatal error during installation

Note: When deploying via SCCM or Intune, configure both 0 and 3010 as success codes to avoid false failure reports.

Getting Help

If you are having trouble with Petrel plugin integration, contact your IT administrator. For issues with the installer itself, contact Bluware support.