



# Desktop Installation Guide

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**Tip:** We recommend that you check our website for the latest documentation as minor updates or improvements may be made to the Help between releases.



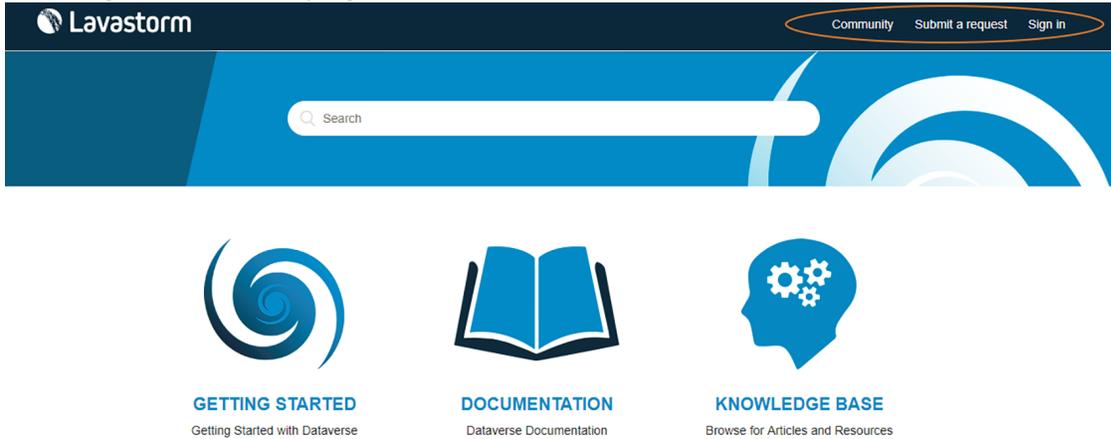
**Note:** The images in this help are used purely for illustrative purposes and may display license-dependent functionality.

## Contact us

If you encounter any technical issues, we recommend that you visit the Dataverse Forums at [help.lavastorm.com](http://help.lavastorm.com). If your query has not been discussed previously in the forums, you can create a new topic and receive answers from our Dataverse experts.

Alternatively, you can log a support ticket:

1. Select **Sign in** from the top right corner of the screen:



If you are not already a registered Support Portal user, click **Sign up**:

The screenshot shows the 'Sign in to Lavastorm' form. It includes an 'Email' input field, a 'Password' input field, and a 'Stay signed in' checkbox. A prominent 'Sign in' button is present, with a note below it stating 'Your credentials will be sent over a secure connection'. Below the 'Sign in' button are links for 'Cancel' and 'Forgot my password'. At the bottom of the form, there is a link for 'New to Lavastorm? Sign up' (circled in orange) and a link for 'Have you emailed us? Get a password'.

2. Once you have registered and signed in, select **Submit a request** from the top right corner of the screen.
3. Complete all fields, then click **Submit** at the bottom of the screen.

## Download

Lavastorm recommends that you use the latest version of the product. To download Dataverse, please go to <http://www.lavastorm.com/product-downloads/>.

Our product is constantly evolving and input from you is highly valued. If you have any suggestions, please contact the product team at [product@lavastorm.com](mailto:product@lavastorm.com).

## Table of contents

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<b>1. Setup requirements</b> .....	<b>1</b>
<b>2. Downloading and installing Dataverse</b> .....	<b>3</b>
<b>3. Upgrading to the latest version of Dataverse</b> .....	<b>5</b>
3.1 Upgrading from Dataverse 3.0.5 or later .....	5
3.2 Upgrading from older versions of Dataverse (3.0.0 to 3.0.4) .....	7
<b>4. Launching the software and accessing help</b> .....	<b>9</b>
<b>5. Starting and stopping the Dataverse Server</b> .....	<b>10</b>
<b>6. Uninstalling Dataverse</b> .....	<b>11</b>

# 1. Setup requirements

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## Supported platforms

This is a single-user only desktop release. The following operating systems are supported:

- Windows 7 64-bit
- Windows 10 64-bit

The following browsers are supported:

- Chrome
- Internet Explorer 11

## System requirements

The minimum hardware specification for this release is as follows:

- 8GB RAM
- Intel Core i5 or 4-core equivalent processor minimum (i7 recommended).



**Note:** The Power R node and the nodes in the Statistical and Predictive Node Pack process data in-memory. Additional RAM will be required when processing data sets with a large volume of data. Similarly, if the R node is used, the machine hosting the R environment must have sufficient available RAM to process the data.

## App servers

- Tomcat 8.5.34

## App server databases

- H2

## Accessible databases

Within the Designer, you can connect your analytic application to a number of databases. The following accessible databases are supported:

- Oracle 11g, 12c
- Teradata 14.10 / 15.10
- MySQL
- MS SQL Server 2012
- MongoDB 2.4.9
- Spark 1.5.0
- Hadoop 2.6.0

## 2. Downloading and installing Dataverse

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If you are upgrading from a previous version of Dataverse, please see [Upgrading to the latest version of Dataverse](#). If you have no previous installation of Dataverse, please follow the steps below:

1. Download the software from: <http://www.lavastorm.com/product-downloads/>
2. If you have downloaded the free version of the software, a default license file will be provided during installation. In this case, you can skip to step 3.  
If you have purchased Dataverse Professional Desktop or Dataverse Power Desktop you will receive a welcome email with a link to activate your license:
  - a. From the machine that you will be installing Dataverse on, click the link provided, then enter your machine's **Hostname** (Computer name).
  - b. Click the blue **Activate** button.
  - c. Download the license file by clicking the green **Download** button, then save the license file in a safe location as you will need to reference the location during installation.
3. **Note:** The end user who will be running Dataverse should be logged onto the machine for installation. Right-click the application installation file and select **Run as administrator**. If you do not have administrative privileges, an admin user can enter their credentials to allow the installation to continue. The installer will guide you through the process step by step. The key steps are called out below.
4. On the **Installation Type** screen, select **Local User** if you will be the only user of Dataverse on this computer, or select **All Users** if you want Dataverse to be available to anyone who logs onto this computer.
5. If you want to restore to a backup file, when prompted, select **Restore from a backup** then browse to the backup file that you want to restore to.



**Note:** You can only restore to a backup file that was created in version 3.0.5 or later.

6. If you are installing the free version of Dataverse, when prompted click **Next** on the **Dataverse Configuration** screen to apply the default license.  
Or, if you have purchased a Dataverse Professional Desktop or Dataverse Power Desktop license, enter the path to your **Dataverse License File** that you downloaded in step 2, then click **Next**.
7. If you selected **All Users** in step 4, and want a Dataverse desktop icon to be visible for all users, select **Create shortcuts for all users** on the **Select Start Menu Folder** screen.

8. If you will be using the Automation Services (scheduling) feature, it is recommended that you select **Start Dataverse on logon** when prompted.
9. If one or more of the default ports is in use, the installer will ask you to provide an alternative. Enter any number that is not already in use, for example, for the Dataverse server, you could try 7732.
10. If you are restoring to a backup file, after installation, complete the following additional steps:
  - a. Stop the server, see [Starting and stopping the Dataverse Server](#).
  - b. Move the `executions` folder that you copied before uninstalling (see [Uninstalling Dataverse](#)) back into the `Dataverse\site\data` directory which you will find in the following location:
    - If you selected **Local User** during installation, move the `executions` folder to:  
`%LOCALAPPDATA%\Dataverse\site\data`
    - If you selected **All Users** during installation, move the `executions` folder to:  
`C:\ProgramData\Dataverse\site\data`
  - c. Restart the server, see [Starting and stopping the Dataverse Server](#).
11. Launch Dataverse, see [Launching the software and accessing help](#).

## 3. Upgrading to the latest version of Dataverse

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If you have no previous installation of Dataverse, please see [Downloading and installing Dataverse](#).



**Note:** You cannot have two different versions of Dataverse running on the same machine. Please follow the steps below to upgrade.

Current version	Upgrade steps
3.0.5 or later	See <a href="#">Upgrading from Dataverse 3.0.5 or later</a> .
3.0.0 to 3.0.4	See <a href="#">Upgrading from older versions of Dataverse (3.0.0 to 3.0.4)</a> .

### 3.1 Upgrading from Dataverse 3.0.5 or later

- Before upgrading, we recommend that you first make a copy of all of your assets by exporting all of your data flows and custom nodes:
  - From the Directory, select **My Documents**, then press and hold **Ctrl** and click to select all of your data flows and custom nodes.
  - From the Details panel on the right of the screen, select **Export**.
  - When asked if you want to include dependencies, select **Yes**, then click **Export**.
  - Save the exported LNA and make a note of the location. You can use this at a later date to recover your documents if required.
  - From the Directory, select **Public Documents**, then repeat the steps above to export and save an LNA containing any data flows and nodes from this collection.
- Caution:** Ensure that there are no instances of Dataverse running on the machine.
- Download the software from: <http://www.lavastorm.com/product-downloads/>
- Note:** The end user who will be running Dataverse should be logged onto the computer for installation. Right-click the application installation file and select **Run as administrator**. If you do not have administrative privileges, an admin user can enter their credentials to allow the installation to continue. The installer will guide you through the process step by step. The key steps are called out below.
- You will be prompted to choose where to install Dataverse. When prompted, select **Yes, update the existing installation** if you want to install the latest version of Dataverse into the same location as the previous version, or select **Update but change installation directory** if you want to change your installation directory.



**Note:** Both options uninstall the previous version of Dataverse before installing the latest version.

The upgrade process creates a backup of the `Dataverse\site` directory.

6. If one or more of the default ports is in use, the installer will ask you to provide an alternative. Enter any number that is not already in use, for example, for the Dataverse server, you could try 7732. For information on starting/stopping the Dataverse server, see [Starting and stopping the Dataverse Server](#).
7. The installer will use your existing license during the upgrade process. If you are a Dataverse Professional Desktop or Dataverse Power Desktop user, you may need to obtain a new license, as follows:
  - If you have purchased Dataverse Professional Desktop or Dataverse Power Desktop for the first time you will receive a welcome email with a link to activate your license. From the machine that you have installed Dataverse on, click the link provided, then enter your machine's **Hostname** (Computer name). Click the blue **Activate** button. Finally, download the license file by clicking the green **Download** button, then save the license file in a safe location as you will need to apply it after installation.
  - If you are an existing Dataverse Professional Desktop or Dataverse Power Desktop user and you are upgrading from 3.0.5, you must request a new license by emailing [license@lavastorm.com](mailto:license@lavastorm.com) and providing your current license key.

After installation, you can apply your new license by selecting **Licensing** from the Help menu in the top right corner of the Dataverse screen. For more information on applying a new license, see the integrated product help.

8. Launch Dataverse, see [Launching the software and accessing help](#).

During the upgrade, your data flows and nodes are automatically imported into the new version of Dataverse. If at any point you want to manually import the assets that you exported in step 1, you can do this by selecting **Import > Data Flows or Nodes** from the Directory. For more information on exporting and importing your data flows and nodes, see the integrated product help.

## 3.2 Upgrading from older versions of Dataverse (3.0.0 to 3.0.4)

1. Before upgrading, we recommend that you first make a copy of all of your assets by exporting all of your data flows and custom nodes before uninstalling your existing version of Dataverse:
  - a. From the Directory, select **My Documents**, then press **Ctrl + A** to select all of your data flows.
  - b. From the Details panel on the right of the screen, click the menu button, then select **Export**.
  - c. When asked if you want to include dependencies, select **Yes**, then click **Export**.
  - d. Save the exported LNA and make a note of the location. You will need to import this file when you have installed the latest version of Dataverse.
  - e. From the Directory, select **Public Documents**, then repeat the steps above to export and save an LNA containing any data flows and nodes from this collection.
2. Double-click the "uninstall" application file in your installation directory, for example, C:/Program Files/Dataverse/uninstall.exe. The uninstaller will guide you through the process step by step.
3. When prompted, select **Delete local data directory**.
4. **Caution:** Ensure that there are no instances of Dataverse running on the machine.
5. Download the software from: <http://www.lavastorm.com/product-downloads/>
6. **Note:** The end user who will be running Dataverse should be logged onto the computer for installation. Right-click the application installation file and select **Run as administrator**. If you do not have administrative privileges, an admin user can enter their credentials to allow the installation to continue. The installer will guide you through the process step by step. The key steps are called out below.
7. If one or more of the default ports is in use, the installer will ask you to provide an alternative. Enter any number that is not already in use, for example, for the Dataverse server, you could try 7732. For information on starting/stopping the Dataverse server, see [Starting and stopping the Dataverse Server](#).
8. Before working with the new version of Dataverse, we recommend that you clear your browser cache. More information can be found at: <http://refreshyourcache.com/en/cache/>
9. The installer includes a default Dataverse Desktop license. If you are a Dataverse Professional Desktop or Dataverse Power Desktop user, you will need to obtain a new license, as follows:
  - If you have purchased Dataverse Professional Desktop or Dataverse Power Desktop for the first time you will receive a welcome email with a link to activate your license. From the machine that you have installed Dataverse on, click the link provided, then enter your machine's **Hostname** (Computer name). Click the blue **Activate** button. Finally, download the license file by clicking the green **Download** button, then save the license file in a safe location as you will need to apply it after

installation.

- If you are an existing Dataverse Professional Desktop or Dataverse Power Desktop user and you are upgrading, you must request a new license by emailing [license@lavastorm.com](mailto:license@lavastorm.com) and providing your current license key.

After installation, you can apply your new license by selecting **Licensing** from the Help menu in the top right corner of the Dataverse screen. For more information on applying a new license, see the integrated product help.

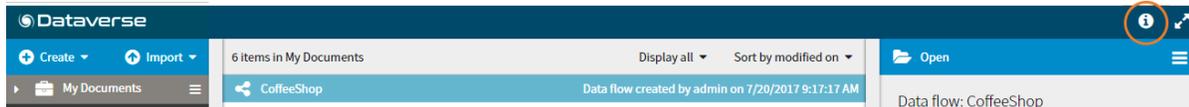
10. [Launch Dataverse](#), then import any existing data flows and nodes that you exported in step 1 into your new installation by selecting **Import > Data Flows or Nodes** from the Directory. For more information on exporting and importing your data flows and nodes, see the integrated product help.

## 4. Launching the software and accessing help

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Launch the application in your browser. The default URL is `http://localhost:8080`, which you can also launch by double-clicking the desktop shortcut icon, or from the Windows Start menu.

You can access the Getting Started guide from inside the product by clicking the Help icon in the corner of the screen.



For further information about this release, please see the [Release Notes](#).

## 5. Starting and stopping the Dataverse Server

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As part of the Dataverse installation, the following servers are created and run as processes, where <version> is the Dataverse version and <port> is the port number on which the server is listening:

Server	Default port number
DataverseServer<version>-<port>	7731
DataverseTomcatServer<version>-<port>	HTTP: 8080 Stop: 8089



**Caution:** The Dataverse Server authenticates against the web application that runs within Tomcat, therefore the Tomcat Server must be running prior to starting the Dataverse Server.

From time to time, you may want to restart the Dataverse servers, for example, when directed to do so by Support.

The easiest way to start or stop the Dataverse and Tomcat processes is by selecting **Start Dataverse** or **Stop Dataverse** from the Windows Start menu.

- Or -

You can also start or stop the processes by double-clicking the **launchDataverse.exe** or **stopDataverse.exe** files which can be found in the following location:

<Dataverse installation directory>/bin

## 6. Uninstalling Dataverse

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You must have administrative privileges to successfully uninstall Dataverse.

1. If you want to restore to a backup file during a future installation (to restore your system to an earlier state), you must first complete this step before uninstalling:
  - a. Make a copy of the `executions` folder:
    - If you selected **Local User** during installation, the `executions` folder will be located at:  
`%LOCALAPPDATA%\Dataverse\site\data`
    - If you selected **All Users** during installation, the `executions` folder will be located at:  
`C:\ProgramData\Dataverse\site\data`
  - b. Save a copy of this folder somewhere outside of the `Dataverse\site` directory.
2. Navigate to your Dataverse installation directory and double-click the **uninstall** file.

The uninstaller will guide you through the process step by step.

3. When prompted, if you want to retain your data and customer specific configuration settings do not select **Delete local site directory**.



**Note:** If you want to restore to a backup file during a fresh installation, when prompted, do not select **Include backups for deletion**. This will ensure that any backup files are not deleted from the default location.



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