



1 Integrate for ArcGIS

Installation Guide

Desktop Edition

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1 Installation Overview



Note: Before proceeding with an installation, please see your Release Notes to ensure you have installed all pre-requisite software and meet all minimum system requirements.

The installation process consists of four main steps:

1. Extract your [release package](#)
2. Install core components using the Setup Wizard
3. Install any required [Add-ins](#)



Note: If any help is required during the installation process, please contact 1Spatial Support.

Release Package

Your release package consists of a zip file, which must be extracted to an accessible location.

The **1IFA_Desktop_Installer-[version].exe** file is the setup wizard that will [install your components](#).

Other files include:

- ▶ plugins for each desktop application (e.g. **1IFA_ArcMap_[version]_Plugin-[version].esriaddin**)

Licences

During the installation process you will be asked to specify the location of a licence folder.

Two directories will be created in this location, called **hash** and **lic**.

A file called **hardware_hash.txt** will be created in the hash folder. This file will contain a string of characters unique to the machine on which 1Integrate for ArcGIS is being installed. This file will need to be sent to 1Spatial Support and will be used to generate your licence.

When received, the licence file generated by 1Spatial Support must be placed in the **lic** folder.



Warning: Previous 1.4.*1Integrate for ArcGIS Desktop Edition licences will not work after the upgrade to v 1.4.21. If your current licence for 1Integrate for ArcGIS Desktop Edition was generated before v 1.4.21, please contact 1Spatial Support in order to generate a new licence.

2 Installing Components

The following components are installed via the 1Integrate for ArcGIS Setup Wizard:

- ▶ **Metadata Service** - stores all data related to 1Integrate for ArcGIS
- ▶ **Rule Author** - web application to allow the creation and publication of rules
- ▶ **Rules Engine Service** - runs all rule processing

Running the Setup Wizard

The Setup Wizard is run via the **1IFA_Server_Installer-[version].exe** file provided in your [Release Package](#).

Install the Metadata Service:

1. Launch the wizard by double-clicking on **1IFA_Desktop_Installer-[version].exe**.





Name	Date modified	Type	Size
 1IFA_ArcGISPro_Desktop_Plugin-1.5.0.1.e...	20/02/2017 15:46	ESRIADDINX File	5,964 KB
 1IFA_ArcMap_10.3_Desktop_Plugin-1.5.0....	20/02/2017 15:46	ESRIADDIN File	10,535 KB
 1IFA_ArcMap_10.4_Desktop_Plugin-1.5.0....	20/02/2017 15:46	ESRIADDIN File	6,997 KB
 1IFA_Desktop_Installer-1.5.0.1.exe	20/02/2017 15:46	Application	47,721 KB

Figure 2-1: *Example Release Package*

The 1Integrate for ArcGIS Setup Wizard will open.

2. Click **Install** to proceed.

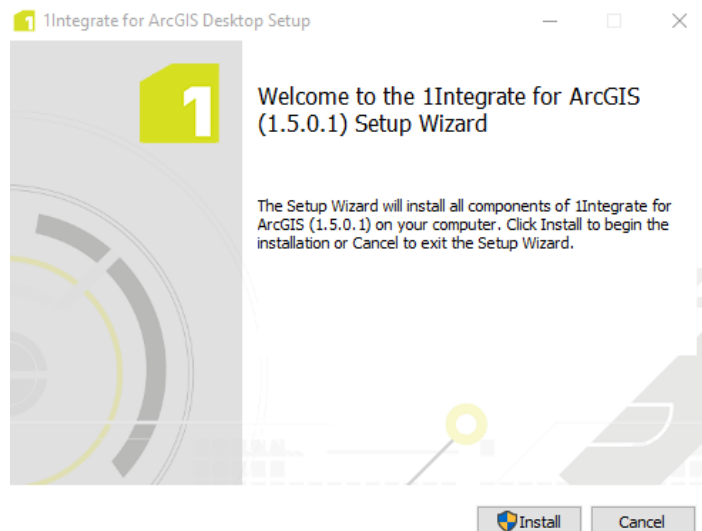


Figure 2-2: *Setup Wizard Start Page*

If prompted to trust the application, click **Accept**.

3. The Setup Wizard will now run through each component to be installed, starting with the Metadata Service.

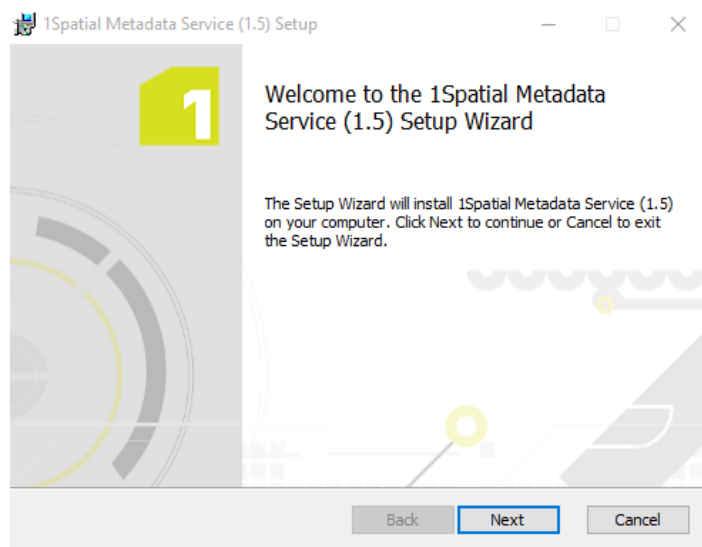


Figure 2-3: *Installing the Metadata Service*

Click **Next** to proceed.

4. If you want to change the location in which to install the Metadata Service, click **Change**.

To accept the location and proceed, click **Next**.

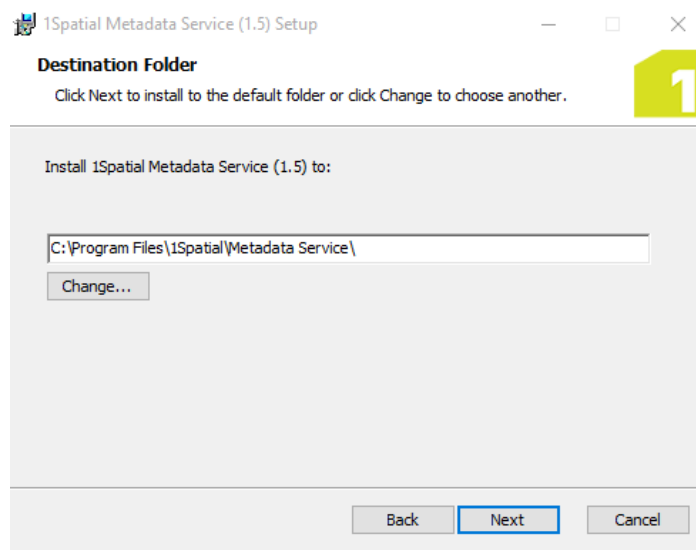



Figure 2-4: *Location for the Metadata Service*

5. Select a database option:

- ▶ **Generic database** - a lightweight database option (recommended)
- ▶ **MySQL database** - recommended for implementations requiring high usage or many users

 **Note:** If MySQL database is selected, MySQL must already be installed.

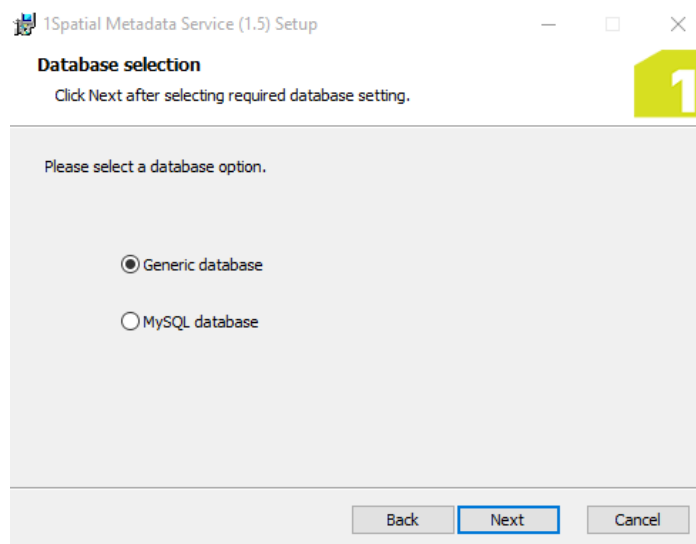


Figure 2-5: *Select a database option*

Once selected, click **Next** to proceed.

6. Enter the Metadata Service endpoint port (by default this is 9998).

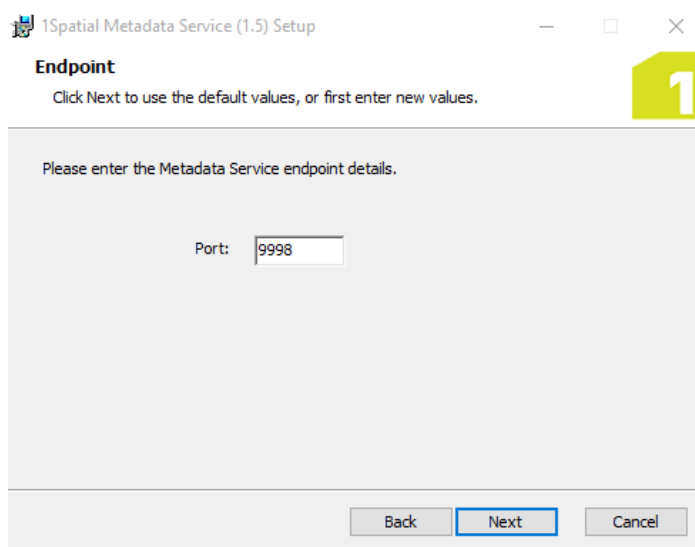


Figure 2-6: Set the Metadata Service endpoint

Click **Next** to proceed.

7. Enter an Administrator password, used to access the Metadata Service.



Note: This will become the password corresponding to the username "admin".

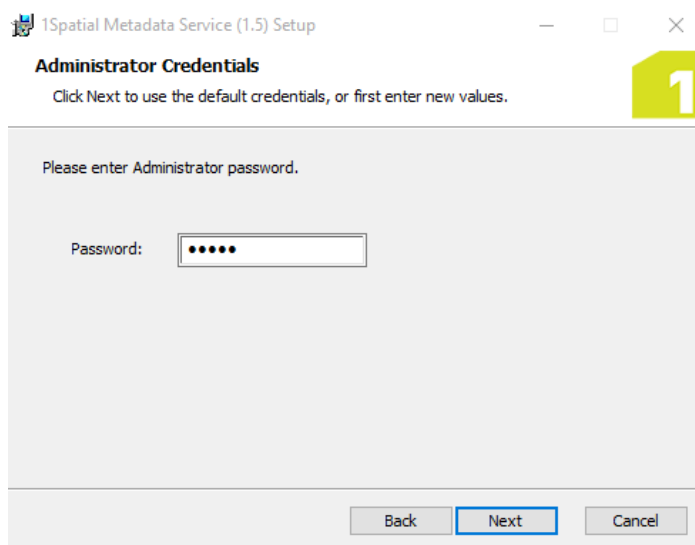



Figure 2-7: Set the Administrator password



Note: We recommend you overwrite the default value for security purposes.

Click **Next** to proceed.

8. Select an authentication service to be used by users accessing the Metadata Service:

 **Note:** Select **Local Authenticator**, as other options are not yet supported.

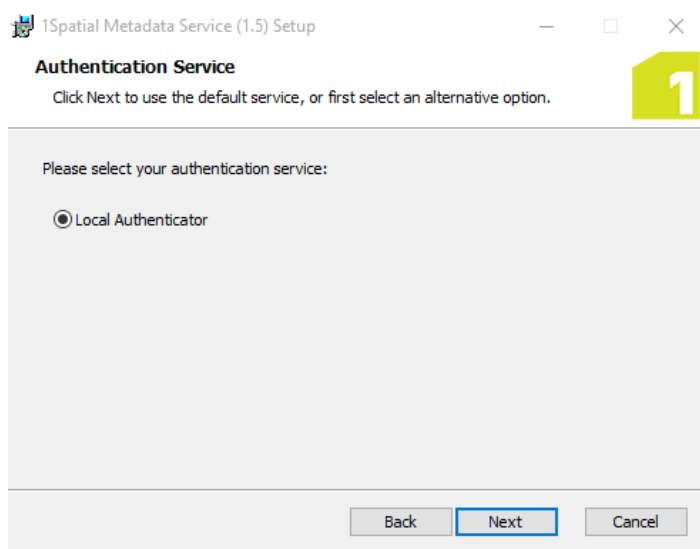



Figure 2-8: *Select Authentication Service*

Once selected, click **Next** to proceed.

9. Click **Install**.

The Metadata Service is now installed. Click **Finish** to proceed.

 **Note:** You can test that the Metadata Service has installed correctly by navigating to [https://\[host\]:\[port\]/login.html](https://[host]:[port]/login.html). The login screen should appear.

Install the Rule Author:

1. The Setup Wizard will now install the next component, the Rule Author.



Figure 2-9: *Installing the Rule Author*

Click **Next** to proceed.

2. If you want to change the location in which to install the Rule Author, click **Change**.

To accept the location and proceed, click **Next**.

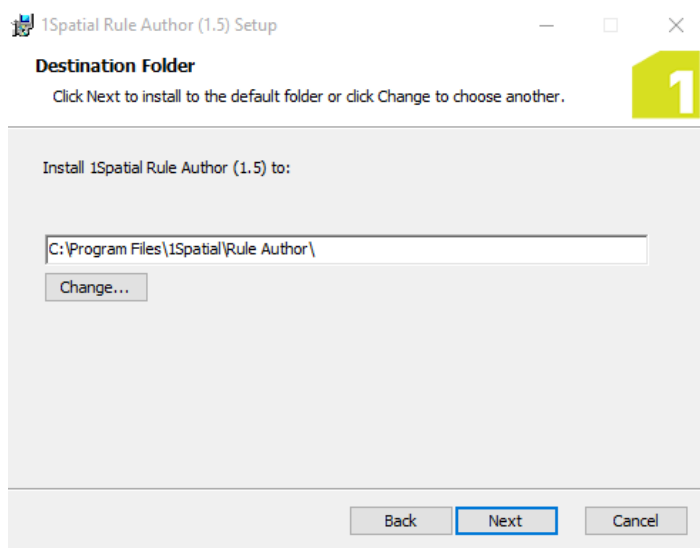


Figure 2-10: *Location for the Rule Author*

3. Enter the Rule Author endpoint port (by default this is 7878).

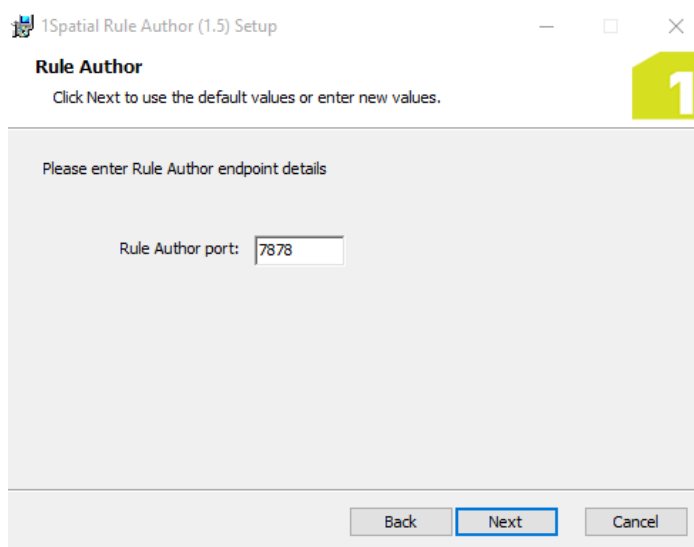


Figure 2-11: *Set the Rule Author port*

Click **Next** to proceed.

4. Enter the Metadata Service endpoint details:
 - ▶ **Metadata Service host** - the machine on which the Metadata Service is installed
 - ▶ **Metadata Service port** - the port defined during installation (by default this was set to 9998)

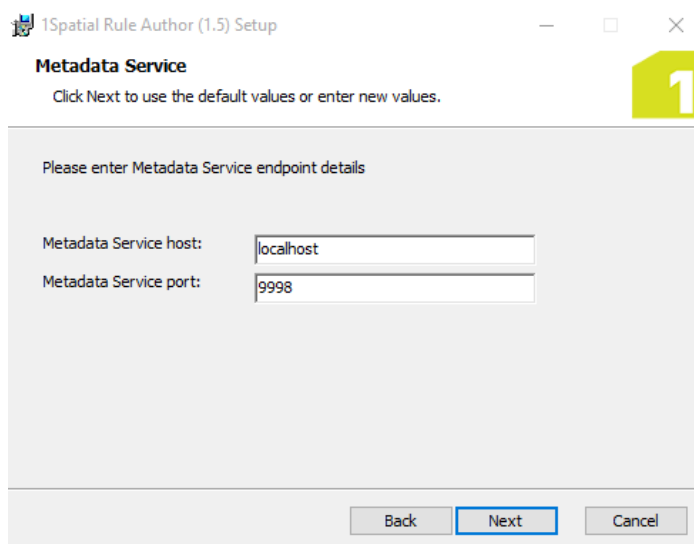


Figure 2-12: *Enter details for the Metadata Service endpoint*

Click **Next** to proceed.

5. Click **Install**.

The Rule Author is now installed. Click **Finish** to proceed.



Note: You can test that the Rule Author has installed correctly by navigating to [https://\[host\]:\[port\]/login.html](https://[host]:[port]/login.html). The login screen should appear.

Install the Rules Engine:

1. The Setup Wizard will now install the final component, the Rules Engine Client.

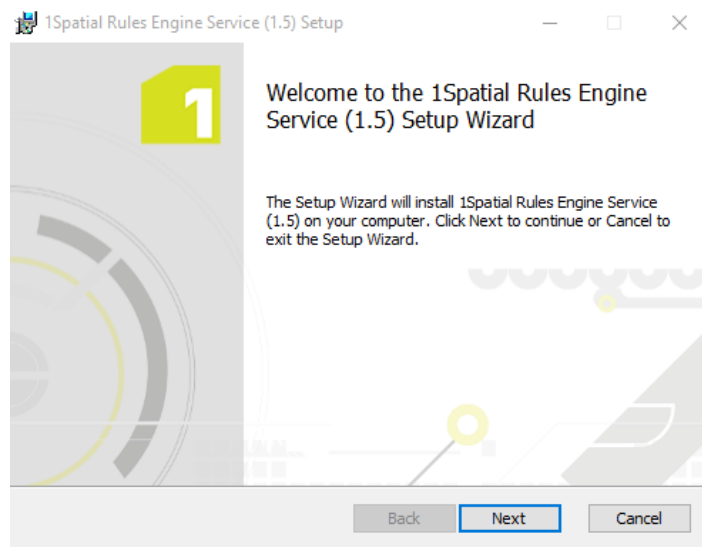


Figure 2-13: *Installing the Rules Engine*

Click **Next** to proceed.

2. If you want to change the location in which to install the Rules Engine, click **Change**.

To accept the location and proceed, click **Next**.

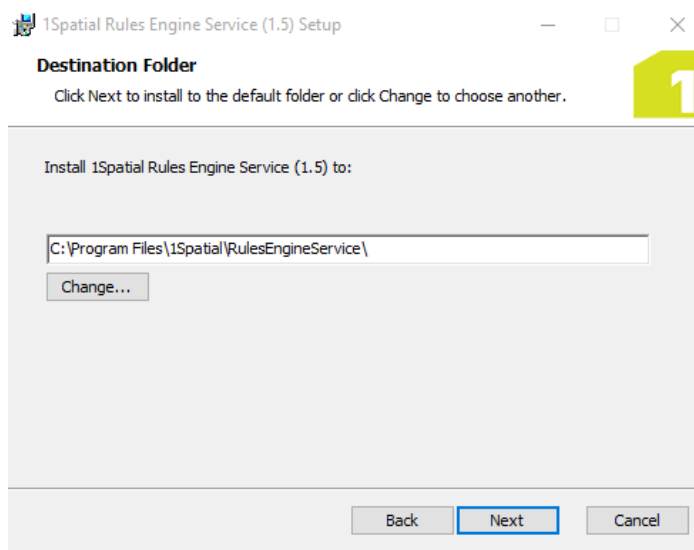


Figure 2-14: *Location for the Rules Engine*

3. Enter the **Rules Engine Service port** (by default this is 6868).
Click **Browse** to specify the location where the licence folder should be created (see "Licences" on page 4).

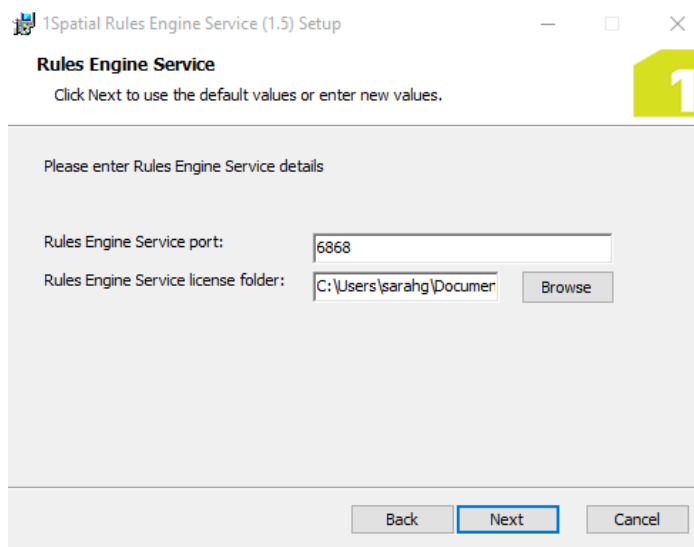


Figure 2-15: *Rules Engine Service Details*

Click **Next** to proceed.

4. Enter the Metadata Service endpoint details:
 - ▶ **Metadata Service host** - the machine on which the Metadata Service is installed
 - ▶ **Metadata Service port** - the port defined during installation (by default this was set to 9998)

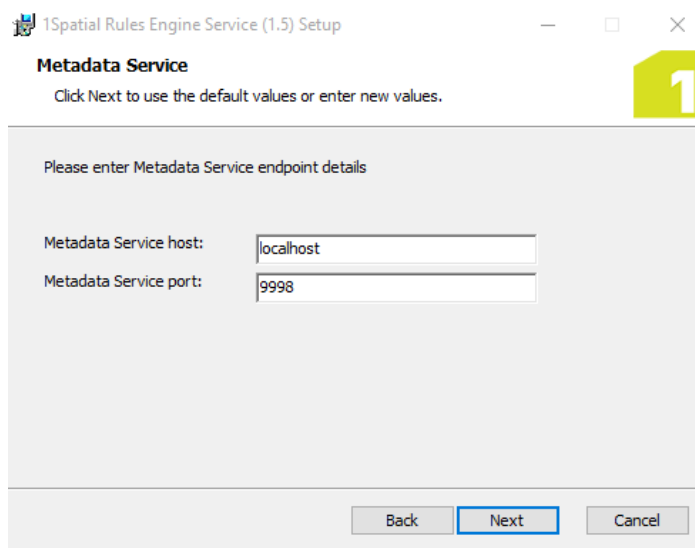


Figure 2-16: *Enter details for the Metadata Service endpoint*

Click **Next** to proceed.

5. Click **Install**.

The Rule Engine is now installed. Click **Finish** to exit the Setup Wizard.



Note: You will need to acquire a licence before you can use 1Integrate for ArcGIS. See "Licences" on page 4 for details on where to place the licence file.

3 Installing Add-ins

There are a number of Add-ins available, depending on the application you are using:

- ▶ ArcMap
- ▶ ArcGIS Pro

In order to install these Add-ins, you will require the plugin, supplied in your Release Package as an Esri AddIn File (e.g. **1IFA_ArcMap_[version]_Plugin-[version].esriaddin**).

Install an Add-in:

1. Locate the Esri AddIn File within your Release Package.
2. Double-click on the file to activate it.
3. Click **Install Add-In**.

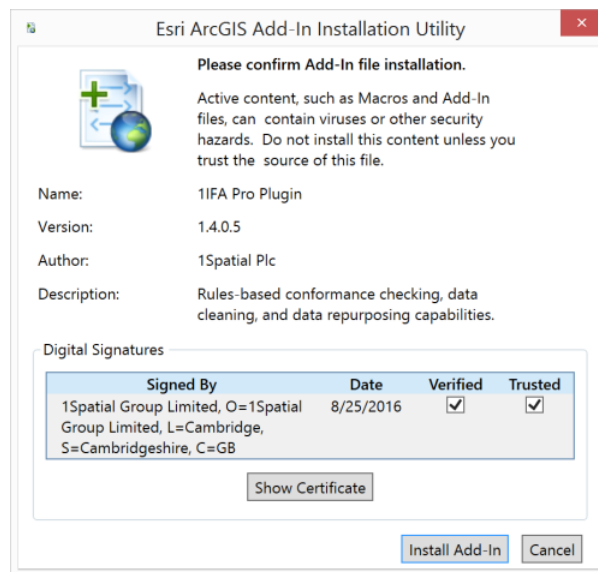


Figure 3-1: *Install Add-In*

The Esri ArcGIS Add-In Installation Utility will confirm that the installation has succeeded.

4 Checking the Installation

To check the installation has completed successfully, open a browser and navigate to the interface(s), using the locations determined during installation.

Component	Location
Metadata Service	https://[host]:[port]/index.html
Rule Author	https://[host]:[port]/login.html

Log in to the Rule Author using the Administrator credentials determined during installation.

Check your required Add-Ins have installed within each application.

Check that the three 1Spatial services are running by looking at the Services tab in Windows Task Manager.

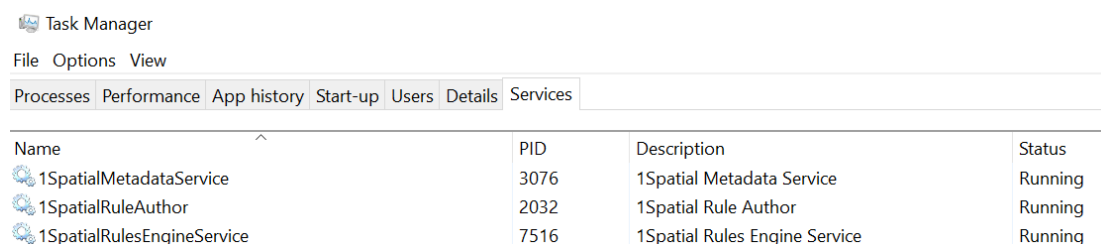


Figure 4-1: Windows Task Manager > Services

5 Upgrading an Installation

It is possible to upgrade an existing installation of 1Integrate for ArcGIS from an older version to a newer version.

Upgrade an Installation:

1. Back up your existing Rules and Actions.
Access the folder where your current version of 1Integrate for ArcGIS is installed.
2. Uninstall the existing 1Integrate for ArcGIS installation using the Windows® Control Panel.
3. Remove the 1Integrate for ArcGIS Add-Ins for ArcMap and/or ArcGIS Pro.
4. Install the latest version of 1Integrate for ArcGIS as per the installation guide.