

# Install / Uninstall and Run Multitenant Meshlet as a Service

While it is recommended that one Perspectium Meshlet run per machine, multiple meshlets can be installed as services on the same machine for multitenancy.

**NOTE:** If you are already have a meshlet installed and need to update the meshlet, please uninstall the meshlet service first as described below.

For any issues regarding JStack, contact [Perspectium Support](#).

## Prerequisites

First, contact [Perspectium Support](#) to get the **install-multitenant-meshlet-service** zip installation file.

## Installing Multitenant Meshlet as a service

To install the meshlet as a service in your Windows or Linux machine, follow these steps:

### Windows Install

1

Open **File Explorer** and find the folder where **install-multitenant-meshlet-service** is located, i. e. C:\Users\username\Downloads\.

Then, right-click the folder and select **Extract All**.

2

Open up a **Command Prompt** and run as an **Administrator**. For example, type **cmd** in the Windows search window and right-click on **Command Prompt** and select **Run as administrator**.

3

In the **Command Prompt**, change your directory to the location where the **install-multitenant-meshlet-service** zip was extracted to. For example C:\Users\username\Downloads\install-multitenant-meshlet-service.

```
cd ..\..\Users\username\Downloads\install-multitenant-meshlet-service
```

4

Install the meshlet as a service that you want to run on this machine by entering the following commands:

```
install-multitenant-meshlet-service.bat -m application/version/meshlet.jar -c application /meshlet.zip -e environment_name
```

Replace the following path with:

Field	Description	Example
application /version /meshlet.jar	Meshlet jar location	Ivanti/Gold_5.0.12 /perspectium-meshlet-ivanti-user-5.0.12.jar
application /meshlet.zip	Meshlet zip folder location	Ivanti/Ivanti-User.zip
environment_name	(Optional) Specifies an environment for the meshlet  This is a way to label what type of meshlet it is (i.e. it's a production, test, dev meshlet) for informational purposes only and is used to create the folder structure where the meshlet is installed.	Production

Contact [Perspectium Support](#) for the proper links for the meshlet and configuration to be installed.

Installing Ivanti User Meshlet as a service example:

```
install-multitenant-meshlet-service.bat -m Ivanti/Gold_5.0.12-11111111/perspectium-meshlet-ivanti-user-5.0.12.jar -c Ivanti/Ivanti-User.zip -e Production
```

**NOTE:** The meshlet will be installed in the **C:\Perspectium-<Configuration>-<Environment\_Name>** directory where **<Configuration>** is the name of the configuration file specified without the file extension and **<Environment\_Name>** is the name of the environment.

Using the above Ivanti User meshlet example, the meshlet would be installed in **C:\Perspectium-Ivanti-User-Production\** (**<Configuration>** of **Ivanti-User.zip** and **<Environment\_Name>** of **Production**). If no **<Environment\_Name>** is specified, then it will be installed in **C:\Perspectium-<Configuration>** i.e. **C:\Perspectium-Ivanti-User**.

5

Go to [Windows Services](#) and start the service for the meshlet (e.g. Perspectium Ivanti User Meshlet service).

1

Open **File Explorer** and find the folder where **install-multitenant-meshlet-service** is located, i.e. **C:\Users\username\Downloads\**. Then, right-click the folder and select **Extract All**.

2

Open up a [Command Prompt](#) and run as an **Administrator**. For example, type **cmd** in the Windows search window and right-click on **Command Prompt** and select **Run as administrator**.

3

Then, install the meshlet by issuing the following command in your terminal:

```
install-multitenant-meshlet-service -m meshlet_jar_name.jar -n meshlet_service_name
```

Replace the following path with:

Field	Description	Example
meshlet_jar_name.jar	Meshlet jar name	perspectium-meshlet-jira-change-5.0.10.jar
meshlet_service_name	Meshlet service name	jira-change-prod

**NOTE:** This is a way to label what type of meshlet it is (i.e. it's a production, test, dev meshlet) for informational purposes only and is used to create the folder structure where the meshlet is installed.

Installing Jira Change Meshlet as a service example:

```
install-multitenant-meshlet-service -m perspectium-meshlet-jira-change-5.0.10.jar -n jira-change-prod
```

**NOTE:** The meshlet will be installed in the **C:\Perspectium-<Configuration>-<Environment\_Name>** directory where **<Configuration>** is the name of the configuration file specified without the file extension and **<Environment\_Name>** is the name of the environment.

Using the above Ivanti User meshlet example, the meshlet would be installed in **C:\Perspectium-Ivanti-User-Production\** (**<Configuration>** of **Ivanti-User.zip** and **<Environment\_Name>** of **Production**). If no **<Environment\_Name>** is specified, then it will be installed in **C:\Perspectium-<Configuration>** i.e. **C:\Perspectium-Ivanti-User**.

4

Go to [Windows Services](#) and start the service for the meshlet (e.g. Perspectium Ivanti User Meshlet service).

## Linux Install

1

In each meshlet directories, copy **install-multitenant-meshlet-service** at the same level as the meshlet jar file.

2

Issue the following command in your terminal to make **install-multitenant-meshlet-service** executable:

```
chmod +x install-multitenant-meshlet-service
```

**NOTE:** The meshlet service file should be on the same level as the jar file.

3

Install the meshlet as a service that you want to run on this machine by entering the following commands:

```
sudo ./install-multitenant-meshlet-service.bat -m application/version/meshlet.jar -c application/meshlet.zip -n meshlet-service-name
```

Replace the following path with:

Field	Description	Example
application /version /meshlet.jar	Meshlet jar location	Ivanti/Gold_5.0.12 /perspectium-meshlet-ivanti-user-5.0.12.jar
application /meshlet.zip	Meshlet zip folder location	Ivanti/Ivanti-User.zip
meshlet- service-name	Specifies the name of the meshlet service  This is a way to label what type of meshlet it is (i.e. it's a production, test, dev meshlet) for informational purposes only and is used to create the folder structure where the meshlet is installed.	Ivanti-User-Prod

**WARNING:** Contact [Perspectium Support](#) for the proper links for the meshlet and configuration to be installed.

Installing Ivanti User Meshlet as a service example:

```
install-multitenant-meshlet-service.bat -m Ivanti/Gold_5.0.12-111111111/perspectium-meshlet-ivanti-user-5.0.12.jar -c Ivanti/Ivanti-User.zip -n Ivanti-User-Prod
```

**NOTE:** The meshlet service name will be appended by **psp-meshlet-**, i.e., **psp-meshlet-<meshlet\_service\_name>**.

4

After installation, you can now run the meshlet by issuing the following command in your terminal:

```
sudo /etc/init.d/psp-meshlet-jira-change-prod start
```

To stop the meshlet service, you can use the following command in your terminal:

```
sudo /etc/init.d/psp-meshlet-jira-change-prod stop
```

To get the status of the meshlet service, you can use the following command in your terminal:

```
sudo /etc/init.d/psp-meshlet-jira-change-prod status
```

To restart the meshlet service, you can use the following command in your terminal:

```
sudo /etc/init.d/psp-meshlet-jira-change-prod restart
```

1

In each meshlet directories, copy **install-multitenant-meshlet-service** at the same level as the meshlet jar file.

2

Issue the following command in your terminal to make **install-multitenant-meshlet-service** executable:

```
chmod +x install-multitenant-meshlet-service
```

**NOTE:** The meshlet service file should be on the same level as the jar file.

3

Then, install the meshlet by issuing the following command in your terminal:

```
sudo ./install-multitenant-meshlet-service -m meshlet_jar_name.jar -n meshlet_service_name
```

Replace the following path with:

Field	Description	Example
meshlet_jar_name.jar	Meshlet jar name	perspectium-meshlet-jira-change-5.0.10.jar
meshlet_service_name	Meshlet service name <b>NOTE:</b> This is a way to label what type of meshlet it is (i.e. it's a production, test, dev meshlet) for informational purposes only and is used to create the folder structure where the meshlet is installed.	jira-change-prod

Installing Jira Change Meshlet as a service example:

```
sudo ./install-multitenant-meshlet-service -m perspectium-meshlet-jira-change-5.0.10.jar -n jira-change-prod
```

**NOTE:** The meshlet service name will be appended by **psp-meshlet-**, i.e., **psp-meshlet-<meshlet\_service\_name>**.

4

After installation, you can now run the meshlet by issuing the following command in your terminal:

```
sudo /etc/init.d/psp-meshlet-jira-change-prod start
```

To stop the meshlet service, you can use the following command in your terminal:

```
sudo /etc/init.d/psp-meshlet-jira-change-prod stop
```

To get the status of the meshlet service, you can use the following command in your terminal:

```
sudo /etc/init.d/psp-meshlet-jira-change-prod status
```

To restart the meshlet service, you can use the following command in your terminal:

```
sudo /etc/init.d/psp-meshlet-jira-change-prod restart
```

## Uninstalling Multitenant Meshlet as a service

To uninstall the previously installed service for a meshlet, follow these steps:

### Windows Uninstall

1

Open up a **Command Prompt** and run as an **Administrator**. For example, type **cmd** in the Windows search window and right-click on **Command Prompt** and select **Run as administrator**.

In the **Command Prompt**, change your directory (**cd**) to the location of the meshlet application folder. By default the meshlet is installed in the `C:\<meshlet_name>\src\main\resources` when installed using the above steps. For example, if the meshlet is installed in `C:\perspectium-Ivanti-Incident\src\main\resources`:

```
cd C:\perspectium-Ivanti-Incident\src\main\resources
```

2

Then, uninstall the meshlet by running the following command:

```
uninstall-meshlet-service.bat
```

**NOTE:** The meshlet remains installed on the machine if you want to run the meshlet manually in the foreground.