# 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.

1 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



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.



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 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



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

Installing Ivanti User Meshlet as a service example:

install-multitenant-meshlet-service.bat -m Ivanti/Gold\_5.0.12-1111111111/perspectium-meshlet-ivanti-user-5.0.12.jar -c Ivanti/Ivanti-User.zip -e Production

• <u>NOTE</u>: 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\ (<Configur ation> 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.

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



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.



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**.



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_ja r_name.jar	Meshlet jar name	perspectium-meshlet- jira-change-5.0.10.jar
meshlet_se rvice_name	Meshlet service name  i 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.	jira-change-prod

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\ (<Configur ation> 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.



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

## Linux Install

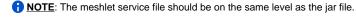


In each meshlet directories, copy install-multitenant-meshlet-service at the same level as the meshlet jar file.



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

chmod +x install-multitenant-meshlet-service





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

 ${\tt sudo ./install-multitenant-meshlet-service.bat -m application/version/meshlet.jar -c application/meshlet.zip -n meshlet-service-name}$ 

#### 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.	Ivainti-User-Prod

1 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\_5.0.12-1111111111/perspectium-meshlet-ivanti-user-5.0.12.jar -c Ivanti/Ivanti-User.zip -n Ivanti-User-Prod

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



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:

 $\verb+sudo+/etc/init.d/psp-meshlet-jira-change-prod+ \verb+stop+|$ 

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



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



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

chmod +x install-multitenant-meshlet-service

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



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

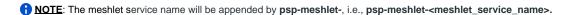
sudo ./install-multitenant-meshlet-service -m meshlet\_jar\_name.jar -n meshlet\_service\_name

#### Replace the following path with:

Field	Description	Example
meshlet_ja r_name.jar	Meshlet jar name	perspectium-meshlet- jira-change-5.0.10.jar
meshlet_se rvice_name	Meshlet service name  i 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.	jira-change-prod

Installing Jira Change Meshlet as a service example:

 $\verb|sudo|./install-multitenant-meshlet-service| -m | perspectium-meshlet-jira-change-5.0.10.jar -n | jira-change-prod| \\$ 





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



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

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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.