

## Proxy server configuration for the Secure Agent

## Abstract

You can configure the Informatica Cloud Secure Agent to use proxy server on Windows and Linux machines. This article describes how to use an authenticated or unauthenticated proxy server to connect to the Internet. When you configure the proxy server, the Secure Agent connects to Informatica Intelligent Cloud Services through the proxy server.

## Supported Versions

- Informatica® Cloud Data Integration

## Table of Contents

Overview. . . . .	2
Configure the Secure Agent to use the proxy server. . . . .	3
Configure proxy server settings on Windows. . . . .	3
Configure proxy server settings through the Secure Agent Manager. . . . .	3
Configure proxy server settings through the JVM options in DTM. . . . .	4
Configure proxy server settings on Linux. . . . .	4
Configure proxy server settings through the shell command. . . . .	5
Configure proxy server settings through the JVM options in DTM. . . . .	5
Troubleshooting. . . . .	5

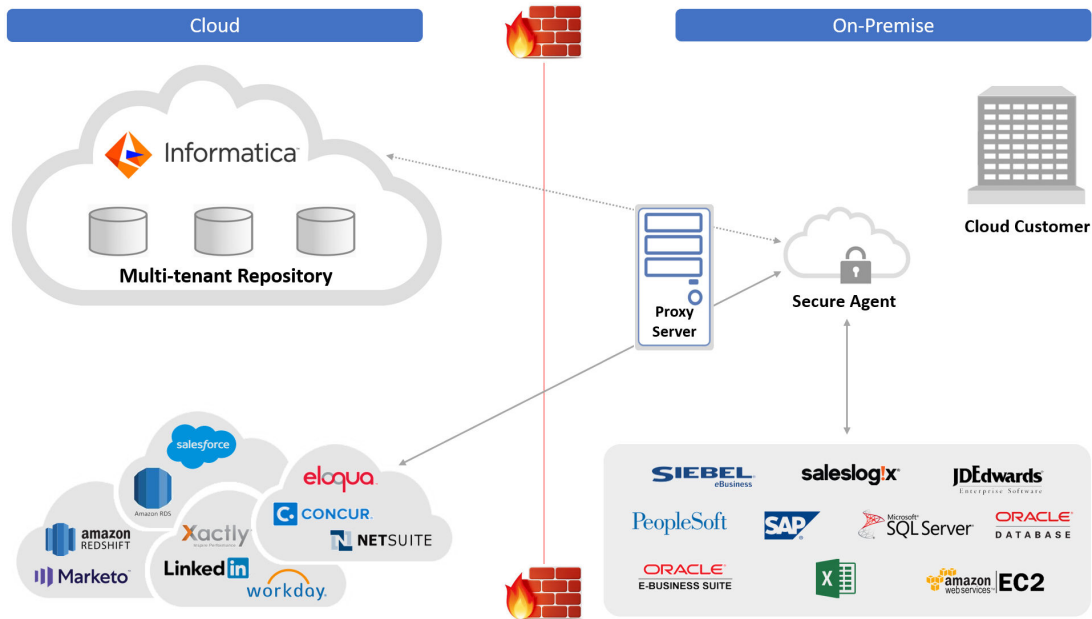
## Overview

A proxy server is an intermediary server for client requests seeking resources from other servers. When you send a web request, it goes to the proxy server first. The proxy server evaluates and sends the request to the web service on your behalf and then collects and forwards you the response from the web server.

In other words, a proxy server allows client computers to make indirect network connections to other network services. If you use a proxy server, client computers connect to the proxy server for resources such as web pages, games, videos, e-books, or any other resources available on various servers over the Internet. You can use a proxy server for Internet access control and to honor security firewalls.

If your organization uses an outgoing proxy server to connect to the Internet, the Secure Agent connects to Informatica Intelligent Cloud Services through the proxy server.

The following image depicts how the proxy server works:



## Configure the Secure Agent to use the proxy server

You can configure the Secure Agent to use the proxy server on Windows and Linux.

1. Configure the Secure Agent through the Secure Agent Manager on Windows or shell command on Linux.
2. Configure the JVM options of the DTM or the Secure Agent to use the proxy server at run time.

## Configure proxy server settings on Windows

You can configure the proxy server for both on-premises and cloud applications. When you configure the proxy server on a Windows machine, you must configure both the Secure Agent and the JVM options in DTM.

### Configure proxy server settings through the Secure Agent Manager

Use the Secure Agent Manager to configure the Secure Agent to use the proxy server on Windows.

1. In the Secure Agent Manager, click **Proxy**.
2. To enter proxy server settings, click **Use a proxy server**.
3. Configure the following fields:

Field	Description
Proxy Host	Required. Host name of the outgoing proxy server that the Secure Agent uses.
Proxy Port	Required. Port number of the outgoing proxy server.

Field	Description
User Name	User name to connect to the outgoing proxy server.
Password	Password to connect to the outgoing proxy server.

- Click **OK**.  
The Secure Agent Manager restarts the Secure Agent to apply the settings.

## Configure proxy server settings through the JVM options in DTM

You can configure the JVM options of the DTM or the Secure Agent to use the proxy server at run time.

- Log in to Informatica Intelligent Cloud Services.
- Open Administrator and select **Runtime Environments**.
- Select the Secure Agent for which you want to configure a proxy server.
- On the upper-right corner of the page, click **Edit**.
- In the **System Configuration Details** section, select the **Type** as **DTM** for the Data Integration Service.
- Add the following parameters in any **JVMOption** field and specify appropriate values for each parameter:

JVMOption1= -Dhttps.proxySet=True

JVMOption2= -Dhttps.proxyHost=<proxy\_server\_hostname>

JVMOption3= -Dhttps.proxyPort=<proxy\_server\_portnumber>

JVMOption4= -Dhttps.proxyUser=<user name>

JVMOption5= -Dhttps.proxyPassword=<password>

**Note:** The parameter values might vary depending on the connector. For the correct parameter values, see the help for the relevant connector.

The following image shows the JVM options in Data Integration Server properties of the Secure Agent:



- Click **Save**.  
The Data Integration Server restarts to apply the settings.

## Configure proxy server settings on Linux

You can configure the proxy server for both on-premises and cloud applications. You must configure the proxy server on a Linux machine using both the shell command and the JVM options in DTM.

**Note:** If the Linux machine has a graphical user interface (GUI), you can also configure the proxy server through the Secure Agent Manager. For more information, see [“Configure proxy server settings through the Secure Agent Manager” on page 3](#).

## Configure proxy server settings through the shell command

Use the shell command to configure proxy server settings for the Secure Agent on a Linux machine.

1. Navigate to the following directory:  
`<Secure Agent installation directory>/apps/agentcore/`
2. Run the following command:  
`./consoleAgentManager.sh configureProxy <proxy host> <proxy port> <user name> <password>`
3. Restart the Secure Agent.

## Configure proxy server settings through the JVM options in DTM

You can configure the JVM options of the DTM or the Secure Agent to use the proxy server at run time.

1. Log in to Informatica Intelligent Cloud Services.
2. Open Administrator and select **Runtime Environments**.
3. Select the Secure Agent for which you want to configure the proxy server.
4. On the upper-right corner of the page, click **Edit**.
5. In the **System Configuration Details** section, select the **Type** as **DTM** for the Data Integration Server.
6. Add the following parameters in any **JVMOption** field and specify appropriate values for each parameter:

JVMOption1= -Dhttps.proxySet=True

JVMOption2= -Dhttps.proxyHost= <proxy\_server\_hostname>

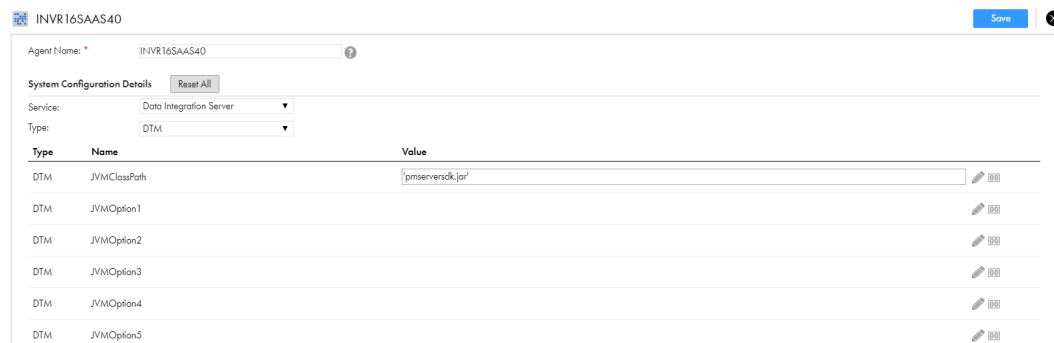
JVMOption3= -Dhttps.proxyPort=<proxy\_server\_portnumber>

JVMOption4= -Dhttps.proxyUser=<user name>

JVMOption5= -Dhttps.proxyPassword=<password>

**Note:** The parameter values might vary depending on the connector. For the correct parameter values, see the help for the relevant connector.

The following image shows the JVM options in Data Integration Server properties of the Secure Agent::



7. Click **Save**.  
The Data Integration Server restarts to apply the settings.

## Troubleshooting

### The Secure Agent is not up and running after the proxy server configuration.

To avoid this issue, first configure the proxy through the Secure Agent Manager and then restart the Secure Agent. Once the Secure Agent is up and running, configure the JVM options in DTM and then restart the Secure Agent again.

**The proxy configuration and Secure Agent setup looks fine, but there is no endpoint entry for the call in the proxy server log.**

The proxy server log might take some time to reflect the endpoint entry for a call. You must wait for a few minutes and then refresh the proxy server log.

**The agent core log shows an entry for the proxy server, but the session log does not.**

Session log entry is based on how the connector is implemented. For more information, contact Informatica Global Customer Support.

## **Author**

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