

Configuring Vibe Data Stream for Machine Data on a Multihomed Machine

Abstract

This article describes how to configure Vibe Data Stream for Machine Data on a multihomed machine.

Supported Versions

- Vibe Data Stream for Machine Data 2.1.0

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Multihoming Overview

Multihoming refers to the configuration of multiple network interfaces or IP addresses on a single machine. Multihomed machines have multiple network interfaces.

On a multihomed machine, each network interface has a separate IP address. You can install Vibe Data Stream for Machine Data on a multihomed machine. Specify any network interface when you install the Vibe Data Stream components.

Configuring the Network Interface

You can install Vibe Data Stream components on a Linux machine or on a Windows machine. When you install the Vibe Data Stream components on a multihomed machine, specify the network interface.

The network interface address is an optional field. If you do not specify it, the installer selects any active network interface address on the multihomed machine. After completing the installation process, when you start the Vibe Data Stream components, the components might use a network interface address that differs from the one selected during the installation process. In such a situation, the components will not be able to interact with each other. To avoid this situation, specify the network interface when you install the components.

The following image shows the page in the Vibe Data Stream installer wizard where you can configure the network interface address:

The screenshot shows the 'Administrator Components Configuration' window for Informatica Vibe Data Stream for Machine Data 2.1.0. The window is divided into two main sections for configuration details.

Administrator Daemon configuration details:

- Unicast Topic Resolution Daemon Port (LBMRD): 15380
- Daemon HTTP(S) Server Port: 15381

Informatica Administrator configuration details:

- Domain User Name: Administrator
- Domain Password: [masked]
- Confirm Password: [masked]
- Domain Port: 7005
- H2 Database Port: 9092
- Network Interface Address (Optional)
- Network Interface Address: INW00004001
- ZooKeeper IP Address(es) and Port(s): localhost:2181

At the bottom of the window, there are 'Next >' and 'Cancel' buttons.

Resolving the Component Connectivity Issues

If the network interface address used for communication among the VDS components is configured incorrectly during installation, you might get a connectivity error message in the Administrator tool. On a Linux or Windows machine, perform the following steps to resolve the error:

1. Verify that the `networkInterface` property is configured correctly in the following configuration files:
 - Administrator tool configuration file. Location: `<VDS Installation Directory>/mnm/config/mnm.cnf` file
 - Administrator Daemon configuration file. Location: `<VDS Installation Directory>/admind/config/admind.cnf`
 - VDS Node configuration file. Location: `<VDS installation Directory>/node/config/node.cnf`
 - Agent configuration file. Location: `<VDS Installation Directory>/agent/config/agent.cnf`
2. Verify that the `clientPortBindAddress` property is configured correctly in the Apache ZooKeeper configuration file.
3. On Windows:
 - a. Uninstall the Administrator Daemon, LBMRD, and Apache ZooKeeper services, and then install them again.
 - b. Open a command prompt window and navigate to the `cli/bin` directory.
To uninstall the components, run the following command:

```
admin_service.bat uninstall
```

To install the components, run the following command:

```
admin_service.bat install
```

Note: You do not have to uninstall the VDS Node and Agent services and install them again.

c. Restart the Administrator Daemon.

On Linux, restart the Informatica Domain, Administrator Daemon, Agent, and the VDS Node.

Note: On Linux, you do not have to uninstall the components and reinstall them again.

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