**RMT Master Setup and Agent Installation Guide**

**Overview**

This document provides step-by-step instructions for setting up the RMT Master and RMT Agent on your server. The RMT (Resource Management Tool) is used for managing resources on Tableau Server. This guide covers installation, configuration, and initialization processes for both the RMT Master and RMT Agent.

**Prerequisites**

* **Operating System:** Ensure that you are running a RHEL-based distribution, including CentOS.
* **Sudo Access:** The user installing the RMT must have sudo privileges.
* **Network Requirements:** Ensure ports 443 and 5672 are open for communication between the RMT Agent and the RMT Master.
* **Tableau Server:** Ensure you have the Tableau Server API username and password for integration.

**RMT Master Installation**

1. **Download RMT Server Installer:**
   * Download the .rpm or .deb installer for the RMT Server.
   * Save it to a location accessible from the machine where you plan to install the RMT Server.
2. **Install RMT Server:**
   * Login to the target machine with sudo access.
   * Run the following command to install the RMT Server:

bash

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sudo yum install /path/to/Tabrmt-Master-x86\_64-<version>.rpm

This command installs the RMT Server along with RabbitMQ, Erlang, and PostgreSQL. PostgreSQL is used to store usage data from Tableau Server.

1. **Initialize RMT Server:**
   * Accept the End User License Agreement (EULA) by running the initialization script:

bash

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sudo /opt/tableau/tabrmt/master/install-scripts/initialize-rmt-master --accepteula

1. **Configure RMT Server:**
   * Switch to the tabrmt-master user to configure the server:

bash

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sudo su --login tabrmt-master

* + Run the master-setup command to configure the RMT Server:

bash

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rmtadmin master-setup --admin-username=<admin\_username> --admin-password=<admin\_password>

The administrator username defaults to admin if not specified.

1. **Create an Environment:**
   * Create a new environment for Tableau Server:

bash

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rmtadmin create-env --name=production --api-username=<TableauServer\_API\_user> --api-password=<TableauServer\_API\_password>

1. **Download Bootstrap File:**
   * Download the bootstrap file, which is used for RMT Agent installation:

bash

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rmtadmin bootstrap-file --env=production --filename=/path/to/save/bootstrap\_file

1. **Optimize RMT Server (Optional):**
   * If you are not using SSD, optimize the server with the following command:

bash

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sudo /opt/tableau/tabrmt/master/tabrmt-master optimize --no-ssd

**RMT Agent Installation**

1. **Download the Bootstrap File:**
   * Ensure the bootstrap file downloaded in the previous step is accessible on the machine where the RMT Agent will be installed.
   * Note: The bootstrap file is only valid for 24 hours.
2. **Install RMT Agent:**
   * Run the following command to install the RMT Agent:

bash

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sudo yum install Tabrmt-Agent-x86\_64-<version>.rpm

1. **Initialize RMT Agent:**
   * Accept the EULA and initialize the RMT Agent:

bash

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sudo /opt/tableau/tabrmt/agent/install-scripts/initialize-rmt-agent --accepteula

* + To specify a custom "Run As" account, include the --unprivileged-user option.

1. **Register the RMT Agent:**
   * Log in as the tabrmt-agent user:

bash

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sudo su --login tabrmt-agent

* + Register the RMT Agent with the following command:

bash

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rmtadmin register /path/to/bootstrap\_file --server-name=<server\_name> --server-description=<server\_description> --username=<RMT\_admin\_username>

You will be prompted to enter the RMT admin user password.

**Note:** The tabrmt-agent user operates from /var/opt/tableau/tabrmt/agent. Ensure the file path for the bootstrap file is specified accordingly.

**Additional Information**

* **EULA Documentation:** The EULA can be found in /opt/tableau/tabrmt/agent/docs.
* **Port Configuration:** Make sure that ports 443 (HTTPS) and 5672 (RabbitMQ) are open to allow communication for Agent registration.
* **Custom Run As Account:** For RMT Agent version 2023.1 and later, a custom Run As account can be specified during the initialization process.

**Troubleshooting**

* **Bootstrap File Expiration:** If the bootstrap file is older than 24 hours, regenerate it using the rmtadmin bootstrap-file command.
* **Permission Issues:** Ensure the tabrmt-agent user has the necessary permissions to execute commands and access required files.