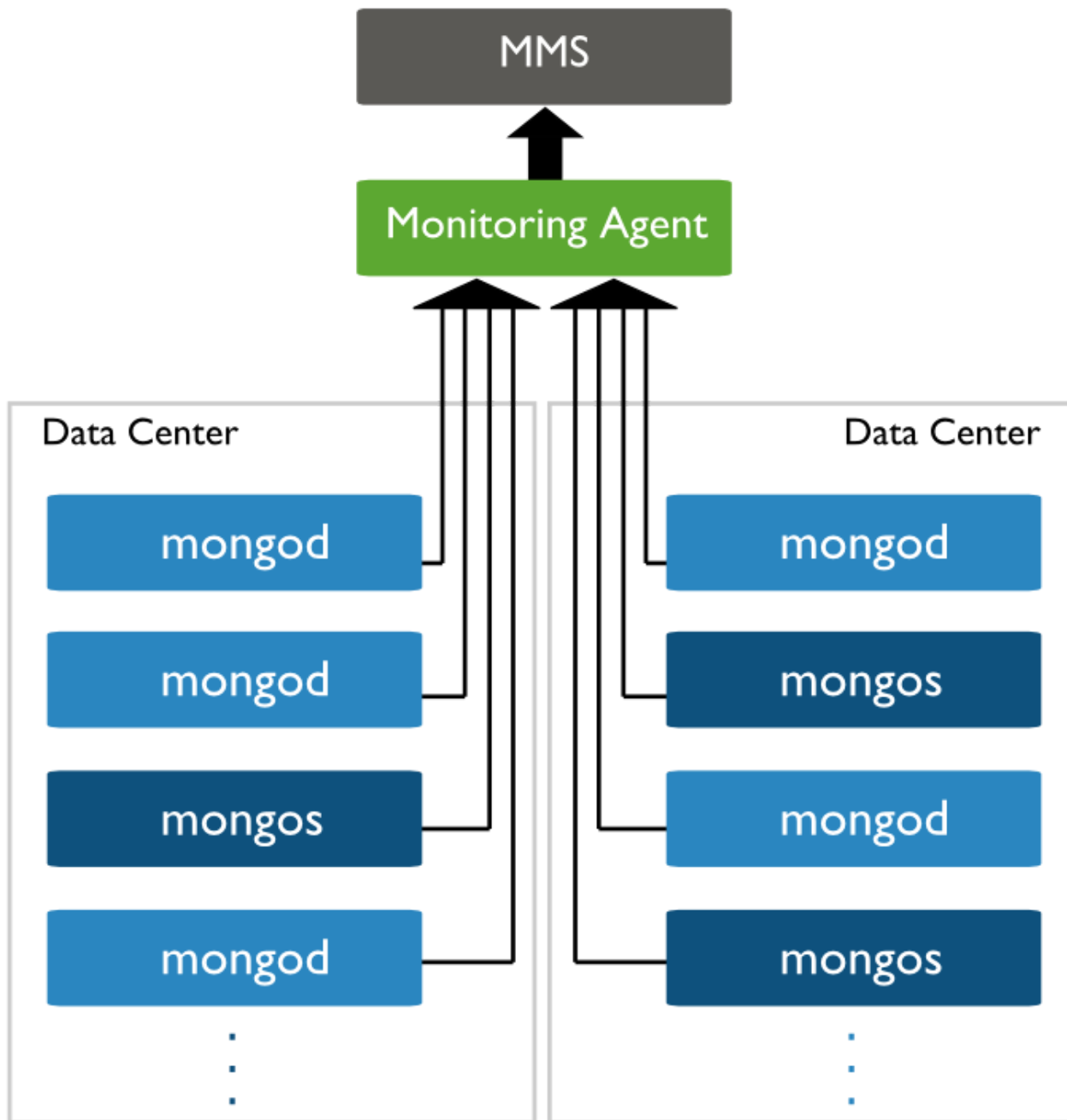


Install the Monitoring Agent

Overview

The MMS monitoring agent is a lightweight component that runs within your infrastructure, connects to your MongoDB processes, collects data about the state of your deployment, and then sends the data to the MMS Monitoring service which processes and renders this data. The agent initiates all connections to the MMS Monitoring service, and communications between the agent and the MMS Monitoring service are encrypted. A single agent can collect data from multiple MongoDB processes. Consider the following diagram of an example deployment:



One Monitoring Agent can pull from multiple data centers and instances then push data to MMS.

This tutorial will guide you through the steps necessary to install and deploy the Monitoring agent on your system.

See the *Frequently Asked Questions: Monitoring*^[1] page for additional information.

Considerations¶

Connectivity¶

You must configure the networking rules of your deployment so that:

- the Monitoring Agent can connect to all **mongod** and **mongos** instances that you want to monitor.
- the Monitoring agent can connect to `mms.mongodb.com` on port 443 (i.e. https.)

The MMS Monitoring server does not make *any* outbound connections to the agents or to MongoDB instances. If *Exposed DB Host Check is enabled*, the MMS Monitoring server will attempt to connect to your servers occasionally as part of a vulnerability check.

Ensure all **mongod** and **mongos** instances are not accessible to hosts outside your deployment.

Monitoring Agent Redundancy¶

Only one Monitoring agent per group or environment will report to MMS Monitoring at a time. If your monitoring agent can connect to all hosts in your deployment, a single monitoring agent is sufficient and strongly recommended. Multiple agents can cause unexpected problems.

However, you can run a second instance of the agent to provide redundancy as a hot standby. To install secondary agents, simply repeat the installation process in the *installation guide* for each hot standby agent.

Access Control¶

If you are using MongoDB authentication, see the *Authentication Requirements documentation*^[2].

Procedure¶

To install the monitoring agent, do the following:

Open MMS and select the *Settings* tab.¶

To open MMS, go to `<http://mms.mongodb.com/settings>`^[3].

Click the *Monitoring Agent* tab.¶

Select your operating system.¶

Follow the installation instructions.¶

The installation instructions describe how to download, install, configure, and start the agent.

Optional. Configure Agent to Use Proxy¶

If the agent will connect to the service via a proxy server, you must configure the `http_proxy` environment variable.

To export the variable, use an operation that resembles the following in your system shell session before starting the agent.

```
export http_proxy="http://proxy.example.com:9000"
```

To connect through a proxy, you must install the agent from a `.tar.gz` file, *not* from a `deb` or `rpm` file.

Additional Information¶

If you installed the Monitoring agent from the `tar.gz` archives, see *Rotate Agent Log Files*^[4] to configure log rotation.

1. <http://mms.mongodb.com/help/faq/monitoring/>
2. <http://mms.mongodb.com/help/reference/authentication/>
3. <http://mms.mongodb.com/settings>
4. <http://mms.mongodb.com/help/tutorial/rotate-agent-log-files/>

