Enable vCenter Single Sign-On with vSphere 5.1 and Later

To successfully deploy Big Data Extensions 1.0 Beta on VMware® vSphere™ 5.1 and later, you must use vCenter Single Sign-On (SSO) to provide user authentication.

Intended Audience

This document is for vSphere system administrators and developers who want to deploy and use Big Data Extensions 1.0 Beta on vSphere 5.1 and later. To successfully work with Big Data Extensions, you should be familiar with Hadoop and VMware vSphere.

Enabling vCenter Single Sign-On on vSphere 5.1 and Later

When installing Big Data Extensions on vSphere 5.1 or later you must use vCenter Single Sign-On (SSO) to provide user authentication. When logging in to vSphere 5.1 you pass authentication to the vCenter Single Sign-On server, which you can configure with multiple identity sources such as Active Directory and OpenLDAP. On successful authentication your username and password is exchanged for a security token, which is used to access vSphere components such as Big Data Extensions.

Prerequisites

- Configure a vSphere Datacenter for use with Big Data Extensions. For information on setting up a datacenter, see Appendix C, "vSphere Settings" in the *VMware vSphere Big Data Extensions Command-Line Interface Guide*.

- Download the Big Data Extensions OVA from the <u>VMware download site</u>.

- Verify that you have at least 40 GB available for the virtual machines. You will need additional storage resources for the Hadoop cluster.

Procedure

1   When deploying Big Data Extensions on vSphere 5.1 or later, ensure that your environment includes vCenter Single Sign-On.

See the VMware vSphere documentation for information on vCenter Single Sign-On.

2   Provide a vCenter Single Sign-On Look-up Service URL when prompted to do so during the installation procedure. The Serengeti management server and vSphere Web client must use the same SSO service.

The default vCenter Single Sign-On Look-up Service URL is:

`https://<`**`SSO_host_FQDN_or_IP`**`>:7444/lookupservice/sdk`

where:

SSO_host_FQDN_or_IP is the Fully Qualified Domain Name (FQDN) or IP address of the SSO service.

7444 is the default vCenter Single Sign-On HTTPS port number. If you used a different port number when you installed vCenter Single Sign-On, use that port number.

What to do next

- If you are using vSphere 5.1 or later, you can install and use the Big Data Extensions graphical user interface to perform management and monitoring tasks. See "Install the Big Data Extensions Plug-in" in the *VMware vSphere Big Data Extensions Administrator's and User's Guide.*

- Access the Serengeti command-line interface (CLI) console to perform additional configuration tasks. See "Access the Serengeti CLI via the Remote CLI Client," in the *VMware vSphere Big Data Extensions Command-Line Interface Guide*.