



CHAPTER 7

Introduction to Cisco DCNM for SAN Web Services

Cisco DCNM for SAN (DCNM-SAN) Web Services provide application programming interfaces (APIs) that expose Cisco DCNM-SAN core software functionalities as remote procedure calls to third-party vendors. Software developers can use the APIs to design computer applications that interact with the Cisco DCNM-SAN Server over the network.

With Cisco DCNM-SAN, you can monitor MDS switch events, performance, and inventory, and you can perform administrative tasks. Applications can access Cisco DCNM-SAN Web Services through many protocols and data formats such as HTTP, HTTPS, XML, SOAP, and WSDL.

Cisco DCNM-SAN Web Services provide cross-platform operations. Web Services can interact with .NET applications, C++ applications, and applications written in other programming languages and Web Services must adhere to accepted conventions to make services interoperable with other applications. For this reason, Cisco DCNM-SAN Web Services must follow the Java API for XML Web Services (JAX-WS) specification. Cisco DCNM-SAN Web Services relies on JBoss Web Service (JBoss WS) as a service endpoint engine and as an entry point into the JAX-WS programming model. The framework also allows Cisco DCNM-SAN Web Services to become an integral part of the Cisco DCNM-SAN Server run-time environment.

