



## Site Planning and Maintenance Records

This section includes a site planning checklist and maintenance records to use when installing the Cisco MDS 9148T Multilayer Fabric Switch.

For information about how to query the switch for configuration information, see the [Cisco NX-OS Fundamentals Configuration Guide](#).

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### Site Preparation Checklist

Planning the location and layout of your equipment rack or wiring closet is essential for successful switch operation, ventilation, and accessibility. The following table lists the site planning tasks we recommend that you complete before installing the Cisco MDS 9148T Switch.

Consider heat dissipation when sizing the air-conditioning requirements for an installation.

**Table 1: Site Planning Checklist**

Task No.	Planning Activity	Verified By	Time	Date
1	Space evaluation: <ul style="list-style-type: none"><li>• Space and layout</li><li>• Floor covering</li><li>• Impact and vibration</li><li>• Lighting</li><li>• Maintenance access</li></ul>			

Task No.	Planning Activity	Verified By	Time	Date
2	Environmental evaluation: <ul style="list-style-type: none"> <li>• Ambient temperature</li> <li>• Humidity</li> <li>• Altitude</li> <li>• Atmospheric contamination</li> <li>• Air flow</li> </ul>			
3	Power Evaluation: <ul style="list-style-type: none"> <li>• Input power type</li> <li>• Power receptacles<sup>1</sup></li> <li>• Receptacle proximity to the equipment</li> <li>• Dedicated circuit for power supply</li> <li>• Dedicated (separate) circuits for redundant power supplies</li> <li>• UPS<sup>2</sup> for power failures</li> </ul>			
4	Grounding evaluation: <ul style="list-style-type: none"> <li>• Circuit breaker size</li> <li>• CO ground (AC-powered systems)</li> </ul>			
5	Cable and interface equipment evaluation: <ul style="list-style-type: none"> <li>• Cable type</li> <li>• Connector type</li> <li>• Cable distance limitations</li> <li>• Interface equipment (transceivers)</li> </ul>			

Task No.	Planning Activity	Verified By	Time	Date
6	Electromagnetic interference (EMI) evaluation: <ul style="list-style-type: none"> <li>• Distance limitations for signaling</li> <li>• Site wiring</li> <li>• RFI<sup>3</sup> levels</li> </ul>			

1. Verify that the power supply installed in the chassis has a dedicated AC source circuit.

2. UPS = uninterruptible power supply.

3. RFI = radio frequency interference.

## Contact and Site Information

Use the following worksheet to record contact and site information:

**Table 2: Contact and Site Information**

<b>Contact person</b>	
<b>Contact phone</b>	
<b>Contact E-Mail</b>	
<b>Building/site name</b>	
<b>Data center location</b>	
<b>Floor location</b>	
<b>Address (line 1)</b>	
<b>Address (line 2)</b>	
<b>City</b>	
<b>State</b>	
<b>Zip code</b>	
<b>Country</b>	

## Chassis and Network Information

Use the following worksheet to record chassis and network information:

**Contract Number :**

**Chassis Serial Number:**

**Product Number:**

<b>Switch IP address</b>	
<b>Switch IP netmask</b>	
<b>Host name</b>	
<b>Domain name</b>	
<b>IP broadcast address</b>	
<b>Gateway/router address</b>	
<b>DNS address</b>	
<b>Modem telephone number</b>	