



## Site Planning and Maintenance Records

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This appendix includes a site planning checklist and maintenance records to use when installing the Cisco MDS 9148S Multilayer Fabric Switch, and it includes the following sections:

- [Site Preparation Checklist, page D-1](#)
- [Contact and Site Information, page D-3](#)
- [Chassis and Network Information, page D-4](#)



**Note**

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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. [Table D-1](#) lists the site planning tasks that we recommend completing before installing the Cisco MDS 9148S Switch.

Consider heat dissipation when sizing the air-conditioning requirements for an installation. See [Table B-1](#) for environmental requirements and [Table B-4](#) for power and heat ratings.

Table D-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>			
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>			
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 D-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 worksheets to record chassis and network information.

**Contract Number** \_\_\_\_\_

**Chassis Serial Number** \_\_\_\_\_

**Product Number** \_\_\_\_\_

**Table D-3 Network-Related Information**

<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>	