



CHAPTER 1

Site Planning and Maintenance Records

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 1-69](#)
- [Contact and Site Information, page 1-71](#)
- [Chassis and Network Information, page 1-72](#)



Note

For information about how to query the switch for configuration information, see the *Cisco NX-OS Fundamentals Configuration Guide*.

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 1-1](#) 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 1-1](#) for environmental requirements and [Table 1-4](#) for power and heat ratings.

Table 1-1 Site Planning Checklist

Task No.	Planning Activity	Verified By	Time	Date
1	Space evaluation: <ul style="list-style-type: none"> • Space and layout • Floor covering • Impact and vibration • Lighting • Maintenance access 			
2	Environmental evaluation: <ul style="list-style-type: none"> • Ambient temperature • Humidity • Altitude • Atmospheric contamination • Air flow 			
3	Power evaluation: <ul style="list-style-type: none"> • Input power type • Power receptacles¹ • Receptacle proximity to the equipment • Dedicated circuit for power supply • Dedicated (separate) circuits for redundant power supplies • UPS² for power failures 			
4	Grounding evaluation: <ul style="list-style-type: none"> • Circuit breaker size • CO ground (AC- powered systems) 			
5	Cable and interface equipment evaluation: <ul style="list-style-type: none"> • Cable type • Connector type • Cable distance limitations • Interface equipment (transceivers) 			
6	Electromagnetic interference (EMI) evaluation: <ul style="list-style-type: none"> • Distance limitations for signaling • Site wiring • RFI³ levels 			

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 1-2 **Contact and Site Information**

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

Chassis and Network Information

Use the following worksheets to record chassis and network information.

Contract Number _____

Chassis Serial Number _____

Product Number _____

Table 1-3 Network-Related Information

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