

# Arista 7050S and 7050SX-96-F

## Switch Configuration Guide for Dell SC Series SANs

Dell Storage Engineering  
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## Revisions

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# 1 Introduction

This document illustrates how to configure the Arista® 7050S or 7050SX-96-F switch for use with Dell™ SC Series iSCSI SANs using Dell best practices.

## 1.1 Document conventions

Table 1 lists the formatting conventions used in this document.

Table 1 Document conventions

Format	Description	Example
<b>Bold</b>	User input	Dell> <b>enable</b>
<i>Italic</i>	Placeholder or variable	<i>your password</i>
<Italic> <brackets>	Separate variables	<ip address> <mask>

## 1.2 Audience

This switch configuration guide describes an optimal configuration following Dell best practices for a SC Series iSCSI SAN and is intended for storage or network administrators and deployment personnel.

## 1.3 Switch details

Table 2 provides an overview of the switch configuration.

Table 2 Switch specifications

Arista	
Switch vendor	Arista
Switch model	7050S, 7050SX-96-F
Switch firmware	4.17.0F-3304146.4170F

**Note:** For proper functionality, the switch must be at the switch firmware version shown in Table 2 before proceeding with this configuration. Using previous firmware versions may have unpredictable results.

**Note:** The latest firmware updates and documentation can be found at: [arista.com](https://arista.com). This site requires a login.

## 1.4 Cabling diagram

The cabling diagram shown in Figure 1 represents the Dell recommended method for deploying servers and SC Series arrays.

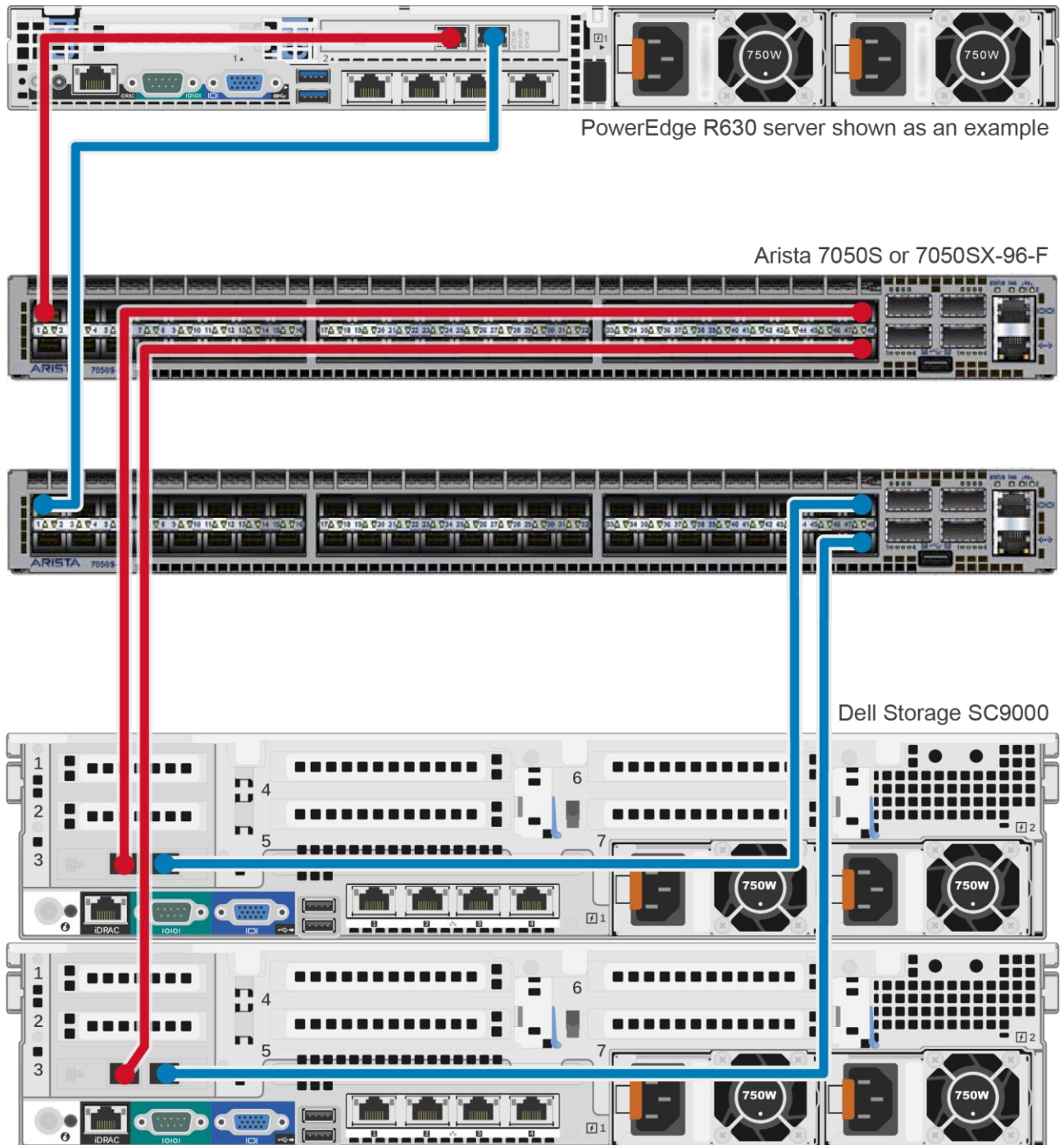


Figure 1 Cabling diagram

## 2 Dell recommended switch configuration

These steps show how to configure two Arista 7050S or 7050SX-96-F switches for an SC Series iSCSI storage deployment.

### 2.1 Hardware configuration

1. Power on the two switches.
2. Connect a serial cable to the serial port of the first switch.
3. Using PuTTY or another terminal utility, open a serial connection session to the switch.
4. Open your terminal emulator and configure it to use the serial port (usually COM1 but this may vary depending on your system). Configure serial communications for 9600,N,8,1 and no flow control.

### 2.2 Delete startup configuration

**Note:** The following commands will delete all configuration settings.

```
localhost>enable
localhost#delete startup-config
localhost#reload
System configuration has been modified. Save? [yes/no/cancel/diff]:no
Proceed with reload? [confirm]
```

**Note:** The switch will reboot.

### 2.3 Cancel Zero Touch Provisioning

The following message will appear when the switch has completed the reload process:

```
No startup-config was found.
The device is in Zero Touch Provisioning mode and is attempting to download the
startup-config from a remote system. The device will not be fully functional
until either a valid startup-config is downloaded
from a remote system or Zero Touch Provisioning is cancelled.
To cancel Zero Touch Provisioning, login as admin and type 'zerotouch cancel' at
the CLI.
```

Alternatively, to disable Zero Touch Provisioning permanently, type `zerotouch disable` at the CLI.

**Note:** The device will reload when these commands are issued.

```
localhost login: admin
localhost>zerotouch cancel
```

**Note:** The switch will automatically reboot

```
localhost login: admin  
localhost>enable
```

## 2.4 Configure out of band (OOB) management port

```
localhost#configure  
localhost(config)# interface management 1  
localhost(config-if-Ma1)#ip address <ip address/mask>  
localhost(config-if-Ma1)#exit
```

## 2.5 Configure login credentials

```
localhost(config)#username admin privilege 15 secret <yourpassword>
```

## 2.6 Configure queue buffer management

```
localhost(config)#platform trident mmu queue profile my_profile  
localhost(config-queue-my_profile)#egress unicast queue 1 threshold 4  
localhost(config-queue-my_profile)#exit  
localhost(config)#platform trident mmu queue profile my_profile apply
```

## 2.7 Enable Jumbo Frames

```
localhost(config)#interface ethernet 1 - 48  
localhost(config-if-Et1-48)#mtu 9214
```

## 2.8 Configure flow control

```
localhost(config-if-Et1-48)#flowcontrol receive on
```

**Note:** Do not enable send (Tx) flow control on any port.

## 2.9 Configure portfast and spanning-tree (RSTP)

```
localhost(config-if-Et1-48)#spanning-tree portfast  
localhost(config-if-Et1-48)#exit  
localhost(config)#spanning-tree mode rstp  
localhost(config)#exit
```

## 2.10 Save configuration

```
localhost#copy running-config startup-config
```

## 2.11 Configure additional switch

Repeat the commands from sections 2.2–2.10 to configure the second switch.

**Note:** The preceding procedure places all switch ports in the default VLAN. If you prefer to place ports in a non-default VLAN, refer to the documentation for your switch.



## A Additional resources

[Dell.com/Support](https://dell.com/support) is focused on meeting your needs with proven services and support.

[Dell TechCenter](#) is an IT Community where you can connect with Dell Customers and Dell employees for the purpose of sharing knowledge, best practices, and information about Dell products and your installations.

[Storage Solutions Technical Documents](#) on Dell TechCenter provide expertise that helps to ensure customer success on Dell Storage platforms.

Referenced or recommended Dell publications:

- [Dell Storage Compatibility Matrix](#)
- [SC Series Technical Documents](#)