



Ports Used by Digital Media Suite

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It is best to deploy your Cisco Show and Share and Cisco Digital Media Manager appliances on the same subnet. If they are deployed on different subnets, you need to make sure that the following ports are opened between the various components of your DMS installation.

Port #	From	To	Bidir?	Protocol	Description
20	Show and Share	Deploy Server	N	FTP	Show and Share server deploying content to content hosting location using FTP
20	DMM	DMP	N	FTP	DMM server deploying content to DMP using FTP
20	DMP	FTP Server	Y	FTP	Transfer of content files
21	Show and Share	Deploy Server	N	FTP	Show and Share server deploying content to content hosting location using FTP
21	DMM	DMP	N	FTP	DMM server deploying content to DMP using FTP
21	DMP	FTP Server	Y	FTP	Transfer of content files
22	Show and Share	Deploy Server	N	SFTP	Show and Share server deploying content to content hosting location using SFTP
22	DMM	DMP	N	SFTP	DMM server deploying content to DMP using SFTP
53	DMP	DNS Server	Y	DNS	DNS Services
80	DME	Show and Share	N	HTTP	Communication between Show and Share and DME
80	End User	Show and Share	N	HTTP	End User requesting content from Show and Share
80	End User	Deploy Server	N	HTTP	End User requesting content from external server
80	DMP	Content Server	N	HTTP	
123	DMP	NTP Server	Y	NTP	NTP Services
139	DMP	Content Server	N	CIFS	CIFS Services
161			Y	SNMP	SNMP Services
389	DMM	AD/LDAP	N	LDAP	User Database Creation or Updates
443	Admin Client	DMP	N	SSL	
443	End User	Show and Share	N	HTTPS	
443	End User	DMM	N	HTTPS	

Port #	From	To	Bidir?	Protocol	Description
445	DMP	Content Server	N	CIFS	CIFS Services
514	DMM	Show and Share	N	SYSLOG	SYSLOG Services
514	DMP	SYSLOG Server	N	SYSLOG	SYSLOG Services
554	End User	Deploy Server	N	RTSP	End User requesting WMV streaming from external Windows Media Streaming Server
554	DMP	Content Server	N	RTSP	DMP requesting WMV streaming from external Windows Media Streaming Server
636	DMM	AD/LDAPS	N	LDAPS	User Database Creation or Updates
694	DMM	DMM	Y		(UDP) Heartbeat for failover health monitoring
695	Show and Share	Show and Share	Y		(UDP) Heartbeat for failover health monitoring
843	End User	DMM	N		Proof of Play
873	Show and Share	Rsync Server	N	rsync	Rsync for file transfer
1935	End User	Show and Share	N	RTMP	End User requesting flash or H.264 streaming from Show and Share
1935	End User	Deploy Server	N	RTMP	End User requesting flash or H.264 streaming from external flash or H.264 Streaming Server
5432	DMM	Show and Share	Y	PostGres	PostGres between DMM & Show and Share
7777	Admin Client	DMP	N	SSL	
7777	DMM	DMP	Y	SSL	
7849	DMM	DMM	Y		DRBD (failover)
7850	Show and Share	Show and Share	Y		DRBD (failover)
8080	End User	Show and Share	N	HTTP	End User uploading content to Show and Share
8443	DMM	Show and Share	Y	HTTPS	DMM <--> Show and Share Peering
8443	End User	Show and Share	N	HTTPS	Access to the Show and Share Secured GUI
9133	Show and Share	DMM	Y	TCP	Communication between DMM and Show and Share
9161			Y	SNMP	SNMP Services
9199	Show and Share	DMM	Y	TCP	Communication between DMM and Show and Share
9991	DMM	Show and Share	Y	TCP	Communication between DMM and Show and Share
9999	DMM	Show and Share	Y		JMX communication
10999	DMM	Show and Share	Y	TCP	Communication between DMM and Show and Share
30865	All four nodes (Failover)	All four nodes (Failover)	Y	CSYNC	Synchronize config files between nodes in a cluster (failover).
45001	DMM	Show and Share	Y		Inventory/Deployment
46001	DMM	Show and Share	Y		Inventory/Deployment
61616	Show and Share	DMM	Y		Activemq
User Config	End User	Deploy Server	N	HTTP	End User requesting content from external server

Port #	From	To	Bidir?	Protocol	Description
User Config	DME	Media Server	Y	HTTP	Signaling between DME and Media Server
User Config	DMP	Content Server	N	HTTP	

Legend

DME=Digital Media Encoder

DMM=Digital Media Manager

DMP=Digital Media Player (not supported in this release)

