

## SAN component compatibility listing for Microsoft Failover Clusters in an ESX environment using Hitachi Storage Solutions

This document contains a list of combinations of VMware ESX versions, Microsoft Cluster Version Guests and HBA Vendors with various HDS storage models which represent HDS's current connectivity support position with the listed HDS storage models.

Prior to implementing a Microsoft Cluster as part of your VMware virtual infrastructure environment, please verify that your specific SAN data path components (HBA/switch, Switch firmware) are listed in the respective HDS storage VMware product interoperability document found at the HDS web site (<http://www.hds.com/corporate/resources.html>) under "Technical Information" tab in the HDS "Resource Library".

Follow current Microsoft Cluster requirements as specified in Microsoft's best practice guidelines when creating your Microsoft Windows Server virtual infrastructure environment.

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### Microsoft Failover Cluster and MSCS with VMWare ESX

#	ESX Version	Windows OS Guest	FC HBA	HDS Storage	Notes		
1	ESX 4.0 U1, ESX 4.0 U2	Windows Server 2008 SP1	Emulex 4G	Hitachi Virtual Storage Platform			
				USP-V and USP-VM			
				USP and NSC			
				AMS 2100/2300/2500 and SMS100			
						AMS 200/500/1000	
		QLogic 4G	Hitachi Virtual Storage Platform				
			USP-V and USP-VM				
			USP and NSC				
			AMS 2100/2300/2500 and SMS100				
						AMS 200/500/1000	
		Windows Server 2008 SP2	Emulex 4G	Hitachi Virtual Storage Platform			
				USP-V and USP-VM			
				USP and NSC			
				AMS 2100/2300/2500 and SMS100			
						AMS 200/500/1000	
		QLogic 4G	Hitachi Virtual Storage Platform				
			USP-V and USP-VM				
			USP and NSC				
			AMS 2100/2300/2500 and SMS100				
						AMS 200/500/1000	
Windows Server 2008 SP2	Emulex 4G	Hitachi Virtual Storage Platform					
		USP-V and USP-VM					
		USP and NSC					
		AMS 2100/2300/2500 and SMS100					
				AMS 200/500/1000			
QLogic 4G	Hitachi Virtual Storage Platform						
	USP-V and USP-VM						
	USP and NSC						
	AMS 2100/2300/2500 and SMS100						
				AMS 200/500/1000			
Windows Server 2003 SP1	Emulex 4G	USP-V and USP-VM					
		USP and NSC					
		AMS 2100/2300/2500 and SMS100					
		AMS 200/500/1000					
QLogic 4G	USP-V and USP-VM						
	USP and NSC						
	AMS 2100/2300/2500 and SMS100						
	AMS 200/500/1000						
Windows Server 2003 R2	Emulex 4G	USP-V and USP-VM					
		USP and NSC					
		AMS 2100/2300/2500 and SMS100					
		AMS 200/500/1000					
QLogic 4G	USP-V and USP-VM						
	USP and NSC						
	AMS 2100/2300/2500 and SMS100						
	AMS 200/500/1000						

**SAN component compatibility listing for Microsoft Failover Clusters in an ESX environment  
using Hitachi Storage Solutions (continued)**

Microsoft Failover Cluster and MSCS with VMWare ESX					
#	ESX Version	Windows OS Guest	FC HBA	HDS Storage	Notes
2	ESX 3.5 U2, ESX 3.5 U3, ESX 3.5 U4, ESX 3.5 U5	Windows Server 2003 SP1	Emulex 4G	USP-V and USP-VM	
				USP and NSC	
				AMS 2100/2300/2500 and SMS100	
			QLogic 4G	AMS 200/500/1000	
				USP-V and USP-VM	
				USP and NSC	
		Windows Server 2003 R2	Emulex 4G	AMS 2100/2300/2500 and SMS100	
				AMS 200/500/1000	
			QLogic 4G	USP-V and USP-VM	
				USP and NSC	
		AMS 2100/2300/2500 and SMS100			
		AMS 200/500/1000			