Microsoft® Data Warehouse Fast Track Reference Architectures from SanDisk® and our OEM Partners

Microsoft Data Warehouse Fast Track is a joint effort between Microsoft and its hardware partners to deliver validated, pre-configured solutions that reduce the complexity and risk of implementing an SMP data warehouse based on Microsoft SQL Server® Enterprise Edition. Three key benefits of the Data Warehouse Fast Track program are:

      1) Faster deployment and reduced complexity with pre-configured, partner-led solutions
      2) Flexibility and choice of the latest generation of hardware from top vendors in the industry
      3) Out-of-the-box offerings with reduced risk and greater confidence

The tables below highlight the current Data Warehouse Fast Track Reference Architectures available from SanDisk and its Server partners.

SQL Server 2016 Fast Track Reference Architectures

Cisco DWFT Certification - 36TB			
System Provider	System Name	Processor Type	Memory
CISCO	Cisco UCS® C240-M4	Intel® Xeon® ES-2697 v3 @ 2.6GHz (2/28/56)	512GB
Operating System		SQL Server Edition	
Windows Server® 2012 R2		SQL Server 2016 Enterprise Edition	
System Provider	Storage Information		
SanDisk a Western Digital brand	12 x 1.6TB Lightning Ascend™ Gen II SAS SSDs – presented via Storage Spaces 12,000GB allocated to Data and TempDB (Parity) 600GB allocated to LOG (Mirror)		

HPE DWFT Certification - 120TB			
System Provider	System Name	Processor Type	Memory
Hewlett Packard Enterprise	HPE ProLiant® DL580 (Gen9)	Intel Xeon E7-8890 v3 2.5GHz (4s/72c/144t)	2,048GB
Operating System		SQL Server Edition	
Windows Server® 2012 R2		SQL Server 2016 Enterprise Edition	
System Provider	Storage Information		
SanDisk a Western Digital brand	8 x Fusion ioMemory™ SX350-6400 PCIe Application Accelerators (JBOD) 51,200GB allocated to Data and TempDB 2 x Lightning Eco™ Gen II 1.6TB SAS SSDs - 1,600GB allocated to Log (Mirror)		

SQL Server 2014 Fast Track Reference Architectures

HPE DWFT Certification - 105TB			
System Provider	System Name	Processor Type	Memory
Hewlett Packard Enterprise	HPE ProLiant DL580 (Gen9)	Intel Xeon E7-8890 v3 2.5GHz (4/72/144)	1,536GB
Operating System		SQL Server Edition	
Windows Server® 2012 R2		SQL Server 2014 Enterprise Edition	
System Provider	Storage Information		
SanDisk a Western Digital brand	8 x Fusion ioMemory SX350-6400 PCIe Application Accelerators (JBOD) 51,200GB allocated to Data and TempDB 2 x Lightning Eco™ Gen II 1.6TB SAS SSDs - 1,600GB allocated to Log (Mirror)		

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SQL Server 2014 Fast Track Reference Architectures

HPE DWFT Certification - 55TB

System Provider	System Name	Processor Type	Memory
Hewlett Packard Enterprise	HPE ProLiant DL380 (Gen9)	Intel® Xeon® ES-2697 v3	768GB

Operating System	SQL Server Edition
Windows Server® 2012 R2	SQL Server 2014 Enterprise Edition

System Provider	Storage Information
SanDisk a Western Digital brand	4 x Fusion ioMemory SX350-6400 PCIe Application Accelerators (RAID5) 18,800GB allocated to Data and TempDB 600GB allocated to LOG

HPE DWFT Certification - 24TB

System Provider	System Name	Processor Type	Memory
Hewlett Packard Enterprise	HPE ProLiant DL380 (Gen9)	Intel Xeon E5-2697 v3 2.6GHz (2/24/48)	384GB

Operating System	SQL Server Edition
Windows Server® 2012 R2	SQL Server 2014 Enterprise Edition

System Provider	Storage Information
SanDisk a Western Digital brand	4 x Fusion ioMemory SX350-3200 PCIe Application Accelerators (RAID5) 12,200GB allocated to Data and TempDB 600GB allocated to LOG

HPE DWFT Certification - 19TB

System Provider	System Name	Processor Type	Memory
Hewlett Packard Enterprise	HPE ProLiant DL380 (Gen9)	Intel Xeon E5-2697 v3 (1S/14C/28T)	256GB

Operating System	SQL Server Edition
Windows Server® 2012 R2	SQL Server 2014 Enterprise Edition

System Provider	Storage Information
SanDisk a Western Digital brand	6 x 1.6TB Lightning Ascend Gen II SAS SSDs – presented via Storage Spaces 6,780GB allocated to Data and TempDB (Parity) 300GB allocated to LOG (Mirror)

Cisco DWFT Certification - 36TB

System Provider	System Name	Processor Type	Memory
CISCO	Cisco UCS C240-M4	Intel Xeon E5-2697 v3 @ 2.6GHz (2/28/56)	512GB

Operating System	SQL Server Edition
Windows Server® 2012 R2	SQL Server 2014 Enterprise Edition

System Provider	Storage Information
SanDisk a Western Digital brand	12 x 1.6TB Lightning Ascend Gen II SAS SSDs – presented via Storage Spaces 12,000GB allocated to Data and TempDB (Parity) 600GB allocated to LOG (Mirror)

Lenovo DWFT Certification - 36TB

System Provider	System Name	Processor Type	Memory
Lenovo	Lenovo System x3650 M5	E5-26967 v3 3.2GHz (1/18/16)	128GB

Operating System	SQL Server Edition
Windows Server® 2012 R2	SQL Server 2014 Enterprise Edition

System Provider	Storage Information
SanDisk a Western Digital brand	10 x 400GB Optimus Ascend™ SAS SSDs allocated to Storage Spaces 2,820GB allocated to Data and TempDB. 300GB (RAID5) 2 x 1TB 10K SAS Drives (RAID1) OS

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At SanDisk, we're expanding the possibilities of data storage. For more than 25 years, SanDisk's ideas have helped transform the industry, delivering next generation storage solutions for consumers and businesses around the globe.

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