Interoperability Guide

Virtual Storage
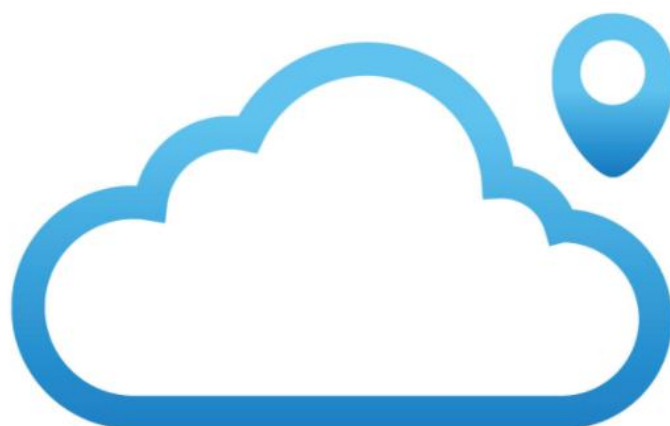
NetApp®

WELCOME TO THE DATA FABRIC

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Introduction

All storage systems within the Telstra Virtual Storage solution run ONTAP 9.1. Existing NetApp customers with a NetApp 'mysupport' account may wish to access the NetApp Interoperability Matrix (IMT) for an advanced view of all supported system configurations. The IMT can be accessed at http://mysupport.netapp.com/matrix

This guide contains a list of the most commonly connected systems (OS and Protocols) that are supported via Telstra Virtual Storage (powered by NetApp). If your desired configuration is not detailed within this guide it may still work, however it is encouraged to consider one of the below listed configurations, or raise a support case to review and assist with configuring your system.

This guide has been written with an assumption of knowledge of host activation processes. For assistance refer to host activation guides as below.

Windows

http://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.exp-iscsi-cpg%2Fhome.html

ESX

http://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.exp-iscsi-esx-cpg%2Fhome.html

RHEL

http://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.exp-iscsi-rhel-cg%2Fhome.html

Protocols (Storage Connectivity)
• **NFS**
o **NFS v3 & v4.0**
NFS v3 & v4.0 clients, including hypervisors are interoperable, with Data ONTAP storage controllers.
o **NFS 4.1**
RHEL Server (64-bit) 7.3 ,7.1, 6.9, 6.8, 6.7, 6.5
SLES (64-bit) 12 SP2, 12 SP1, 12
• **CIFS**
o **Windows:**
Protocol: SMB 3.1.1, SMB 3.1, SMB 3.0, SMB 2.1, SMB 2.0, SMB 1.0
Domain Controller & Client OS:
✦ Microsoft Windows Server 2012 (64-Bit) – SE, R2 SE, DCE, R2 DCE
✦ Microsoft Windows Server 2008 (64-Bit) – SE, R2 SE, DCE, R2 DCE, EE, R2 EE
✦ Microsoft Windows Server 2008 (32-Bit) – SE, DCE, EE
Client OS Only:
✦ Microsoft Windows 10 (32 & 64 Bit) - Pro, Home

✦ Microsoft Windows 8 & 8.1 (64 Bit) – Std, Enterprise, Professional
Microsoft Windows 7 (32 & 64 Bit) – Ultimate (SP1) , Professional (SP1), Home, Premium
✦ Microsoft Windows Vista (32 & 64 Bit) –Ultimate, Enterprise, Business
•   **OSX:**
✦ SMB 3.0, SMB 2.1, SMB 2.0, SMB 1.0
✦ Apple Mac OS 10.12 (Sierra)
•   **ISCSI Protocol**

Operating Systems (Host servers connecting to storage)

•   **RHEL**
✦ RHEL Server (64-bit) 7.1, 7, 6.6, 6.5, 6.4, 5.11, 5.10, 5.9 (Linux Host Utilities 6.2)
✦ RHEL Server (64-bit) 7.3, 7.2, 7.1, 6.8, 6.7, 6.6, 6.5 (Linux Host Utilities 7.0)
✦ RHEL Server (64-bit) 7.3, 7.2, 6.9, 6.8, 6.7, 6.6, 6.5 (Linux Host Utilities 7.1)
✦ RHEL KVM Server (64-bit) 6.4, 6.5, 6.6, 7, 7.1, 7.2, 7.3 (Linux Host Utilities 7.0 & 7.1)
•   **Centos**
✦ Centos (64-bit) –7.3, 7.2, 7.2 KVM, 7.1, 7.1 KVM, 6.8 (Linux Unified Host Utilities 7.0 & 7.1)
✦ Centos KVM (64-bit) –7.3, 7.2, 7.1, 6.8 (Linux Unified Host Utilities 7.0 & 7.1)
•   **Solaris**
✦ Oracle Solaris 11.3 64-bit (Solaris Host Utilities 6.1)
✦ Oracle Solaris 11.2 64-bit (Solaris Host Utilities 6.1)
✦ Oracle Solaris 10 (update 11 64-bit) (Solaris Host Utilities 6.1)
•   **SLES**
✦ SLES 12 SP2 64-bit (Linux Unified Host Utilities 7.1)
✦ SLES 11 SP4 64-bit (Linux Unified Host Utilities 7.0 & 7.1)
✦ Novell SLES 11 SP3 (32 & 64-bit) (Linux Host Utilities 6.2, 7.0, 7.1)
•   **Oracle Linux**
✦ Oracle Linux 7.3, 7.2, 7.1, 7.0, 6.9, 6.8, 6.7, 6.6 64-bit (Unbreakable Enterprise kernel) (Linux Unified Host Utilities 7.0 & 7.1)
✦ Oracle Linux 7.3, 7.2, 7.1, 7.0, 6.9, 6.8, 6.7 64-bit (Red Hat compatible kernel) (Linux Unified Host Utilities 7.0 & 7.1)
•   **Microsoft**
✦ Microsoft Windows Server 2016 Hyper-V (Windows Unified Host Utilities 7.0)
✦ Microsoft Windows Server 2016 DCE, SE (Windows Unified Host Utilities 7.0)
✦ Microsoft Windows Server 2012 Hyper-V (Windows Host Utilities 6.0.2 & 7.0)
✦ Microsoft Windows Server 2012 DCE, SE (Windows Host Utilities 6.0.2 & 7.0)
✦ Microsoft Windows Server 2008 Hyper-V SP2, R2, R2 SP1 (Windows Host Utilities 5.3 & 6.0.2)
✦ Microsoft Windows Server 2008 R2 (SP1 & SP2) DCE, EE, SE (Windows Host Utilities 6.0.2)