



DefendX Software Mobility ®

Installation Requirements

This guide covers the pre-install items to be considered in preparation for a successful install of DefendX Software Mobility™. When the installation is complete, the product is functional. Customers should read through this guide in its entirety for important notes to get the most out of the software.

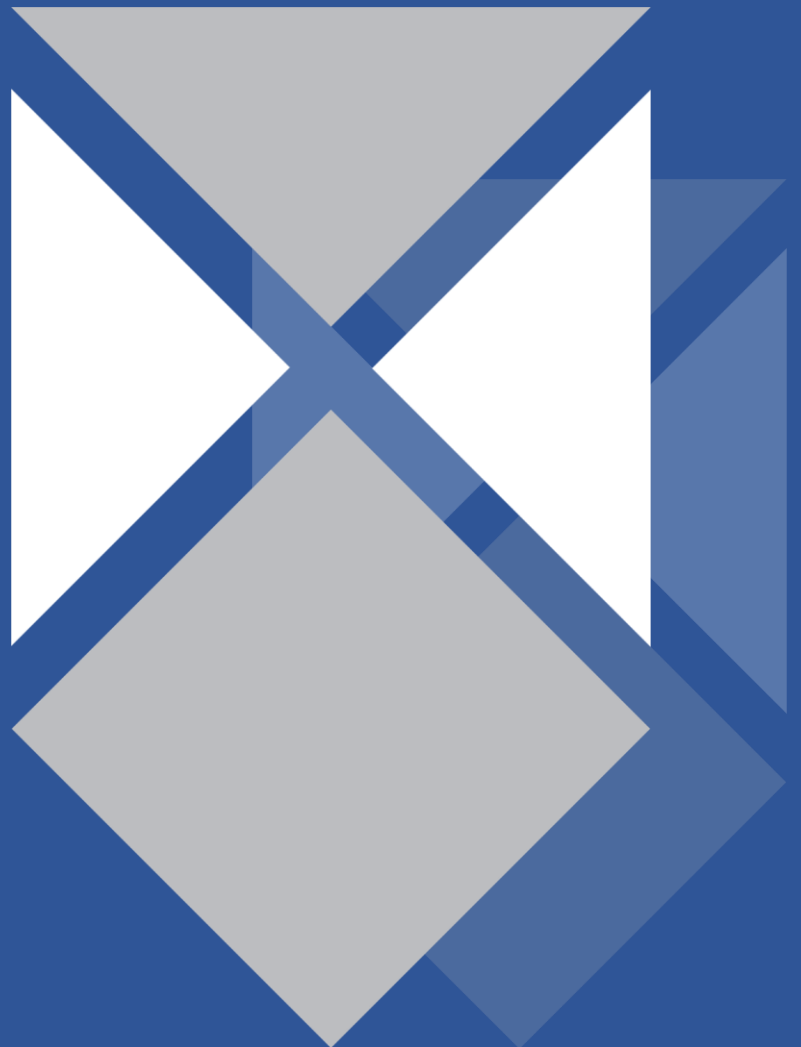


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Executive Summary

Below is a summary of system and other technical requirements in preparation for a successful install of DefendX Software Mobility:

Windows Server Management Host

CPU	2.2+ GHZ
MEMORY	2GB
DISK SPACE	150MB Available HDD Space Approx. 5KB per file / approx. 5GB per 1M archived files (for database)
OPERATING SYSTEM	Windows 2008, Windows 2008 R2, Windows 2012, Windows 2012 R2 NOTE: OS must be x64, x86 is NOT supported
VIRTUAL SUPPORT	VMware 3.5+, MS Hyper-V
WEB COMPONENTS (CAN BE INSTALLED ON SEPARATE SERVER IF DESIRED)	Microsoft IIS (Internet Information Services) 7.0+ Active Server Pages (Classic .ASP)
DATABASE COMPONENTS (OPTIONAL; CAN BE INSTALLED ON SEPARATE SERVER IF DESIRED)	Microsoft SQL Server 2005, 2008, 2012, 2014 Mix Mode Authentication (Required)

NetApp Filer NAS (required for NetApp installation)

OPERATING SYSTEM	Data OnTap 6.5+
SERVICE ACCOUNT	Domain User & member of local Administrators group on Filer

EMC VNX NAS (required for EMC installation)

OPERATING SYSTEM	DART 5.6.36.2+
LOGIN CREDENTIALS	Login Credentials to Control Station
SERVICE ACCOUNT	Domain User & member of local Administrators group on CIFS Server
OTHER COMPONENTS	EMC CEE (Common Event Enabler) 6.3.0+ (Required) EMC CIFS Management Tools (Required)

Important Pre-Install Points

Below are key items which were discussed to consider in preparation for a successful install of DefendX Software Mobility®:

Components:

- Administrative Windows account that will have access to create storage policy during install (Fpolicy for NetApp, Configuration of Control Station for VNX, Insertion of File System Filters in Windows)
- Mobility Administrative Website
 - IIS 7.0+
 - .Net 2.0+
- Mobility Task Service
 - Dependent on Primary tier which is installed (Windows, NetApp, etc.)
 - Install on windows VM of live hardware and in close proximity to the primary tier in terms of latency
 - Requires to be run as a Windows Domain Account with local admin on both the task service server and the managed NAS device if applicable
- Microsoft SQL Server
 - 2005, 2008, 2012, 2014
 - Mix Mode Authentication (Required)Default requires Mixed Mode authentication but can be configured Window authentication only if required
 - Installation account requires rights to create databases and local SQL Accounts in Mixed mode
 - Sizing: 5GB database size per million files tiered

NetApp Edition

For the NetApp Edition of Mobility requires some additional configuration:

- The Task Service manages the movement of data to and from the Filer/vFiler/Virtual Storage Machine/VServer
 - The Task Service requires that its service account is a member of the local administrator group on the Filer/vFiler/VSM/VServer being managed
 - The Filer/vFiler/VSM/VServer must have fPolicy enabled. fPolicy is the interface that allows DefendX Software Mobility to intercept notifications during open of stubbed data for seamless rehydration of data
 - One of the most important considerations during implementation will be to make sure the Task Service is installed with low latency to the primary tier

EMC VNX Edition

For the EMC VNX Edition of Mobility requires some additional configuration:

- The Task Service manages the movement of data to and from the NAS.
 - There needs to be a CIFS Server that is on the physical data mover (i.e. Server_2) that our services can use as a bridge to manage CIFS Servers that are on Virtual Data Movers. The CIFS Server that is on the physical data mover does not require a File System assigned

- The Task Service requires that the service account is a member of the local administrator group on the CIFS Server(s) being managed
- The NAS must have the Server CEPP service enabled and the CEPP.CONF file must be configured according to the instructions in the installation guide
- DefendX Software Mobility requires the EMC CEE version 6.3.0 to receive real-time notifications for rehydration of data. The recommended version is 6.7.0.

Additional Requirements to Support Push Installs.

- A share name is required which will allow access to the location of VFM's installation packages. This share name and its directories must give the NTP Software VFM™ Administration web site application pool user as well as the product installer's service login account read access.
- Another share name is required which will allow the VFM Admin to create XML files for which the product installer service will also monitor. The XML files will define all the necessary settings for push installations. The XML file will also be updated by the product installer service to change the status of the push install as well as to include any messages or errors from the install. This share name and its directories must give the NTP Software VFM™ Administration web site application pool user as well as the product installer's service login account read, write and delete access.

Things to Remember

- When properly installed DefendX Software Mobility® will not affect the system performance on the storage system nor will a reboot be required to complete the installation.
- DefendX Software Mobility® will not take storage offline during setup. There will be zero downtime for the users accessing the storage.
- When the installation is complete, the product is functional but not enabled. DefendX Software Mobility® will not change any data in the primary storage environment until policies are created to start tiring.

About DefendX Software

DefendX Software helps organizations secure their critical business files and maximize the value of their enterprise file storage resources. From comprehensive intelligence, modeling, costing and chargeback to seamless file movement, protection and archiving, DefendX provides industry-leading capabilities to eliminate waste and align the value of files with the storage resources they consume. With DefendX, important file locations and the users who access them can be monitored to provide governance, protect against theft and enforce compliance policies. For more than 20 years, DefendX Software has been helping public and private sector customers around the world save money and eliminate risk every day.

DefendX Software Professional Services

DefendX Software's Professional Services offers consulting, training, and design services to help customers with their storage management challenges. We have helped hundreds of customers to implement cost-effective solutions for managing their storage environments. Our services range from a simple assessment to in-depth financial analyses.

For further assistance in creating the most cost-effective Storage Management Infrastructure, please contact your DefendX Software Representative at 800-390-6937.

Legal & Contact Information

The information contained in this document is believed to be accurate as of the date of publication. Because DefendX Software must constantly respond to changing market conditions, what is here should not be interpreted as a commitment on the part of DefendX Software, and DefendX Software cannot guarantee the accuracy of any information presented after the date of publication.

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