



DirectShare

Direct Collaboration File Sharing

Technical Installation Solution Guide

How to setup a fresh Windows Server for a DirectShare EasyDemo

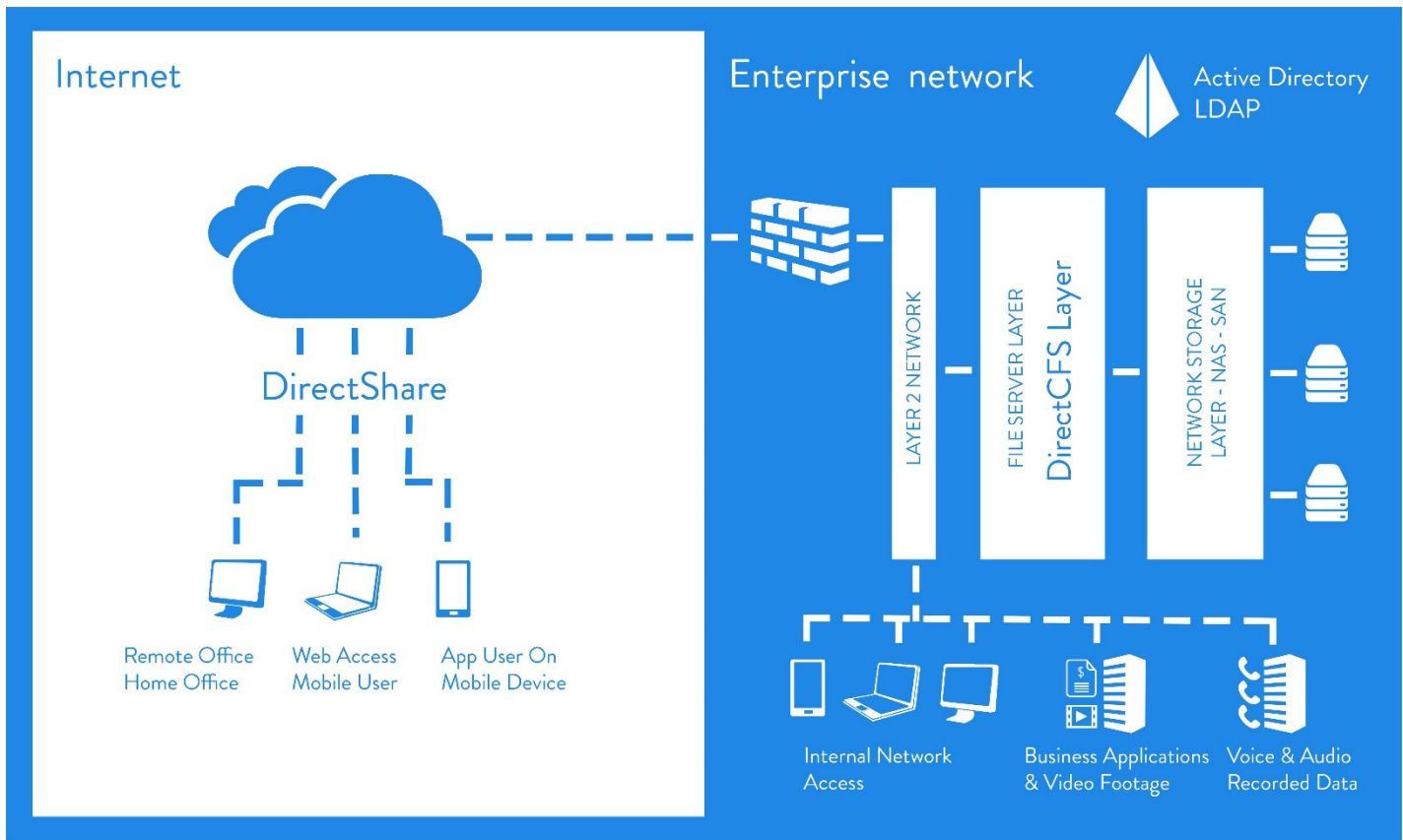


Document Revision

Date	Revision	Description (co-authors)
01/12/2016	1.0	Initial Release (Christian Petrou, Mitch Crane)

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Getting Started

This guide will help you deploy a new Windows Server 2012R2 Datacenter Edition VM to use with a DirectShare virtual appliance (VA).

Assumptions

- It is assumed that the reader has a working knowledge of virtual machine system administration, Microsoft® Windows® desktop and server administration, SAN network design, basic Microsoft PowerShell commands and basic SAN storage operations.
- This is not a complete “how to” guide. Step by step setup is covered in part, examples of command line and settings should be sufficient for the reader to apply the right changes to implement the steps outlined in this guide.

Limitations and Other Considerations

External File Sharing and Collaboration can be setup in multiple different fashions. This solution guide will address a specific scenario and how to build around it.

Microsoft PowerShell Commands for basic SMB shares

Log into Windows Server

1. Deploy a Windows 2012R2 Datacenter Edition VM in the same VLAN as the DirectShare VA.
2. Login to Windows as Administrator, launch PowerShell as Administrator, and run the following commands:

Import Domain Services

3.

```
## import domain services tools into powershell
Install-WindowsFeature -name AD-Domain-Services -IncludeManagementTools
```
4.

```
## import domain service deployment module
Import-Module ADDSDeployment
```

Create the Domain

5.

```
## create domain "acme.media" (this will reboot the VM)
Install-ADDSForest `
-CreateDnsDelegation:$false `
-DatabasePath "C:\Windows\NTDS" `
-DomainMode "Win2012R2" `
-DomainName "acme.media" `
-DomainNetbiosName "AcmeMedia" `
-ForestMode "Win2012R2" `
-InstallDns:$true `
-LogPath "C:\Windows\NTDS" `
-NoRebootOnCompletion:$false `
-SysvolPath "C:\Windows\SYSVOL" `
-Force:$true -safemodeadministratorpassword `
(convertto-securestring "Password1" -asplaintext -force)
```
6. The VM will automatically reboot now. When it comes back, login again as Domain Administrator (CT\Administrator e.g) and open PowerShell as Administrator again and set up your users:

Create Users & Security Groups

7.

```
## create security group "CT Users"
New-ADGroup -Name "CT Users" -GroupScope DomainLocal

## add a user
net user /add [username] [password]

## add user to the security group
Add-ADGroupMember -Identity "CT Users" [username]

## add cloudtenna admin user (this will be your bind user)
net user /add ctadmin [password]
```

Set file sharing permissions

```
8. mkdir c:\files
New-SmbShare -Name SharedFiles -Path C:\files -FullAccess Everyone
$acl = Get-Acl C:\files
$permission = "Everyone", "FullControl", "ContainerInherit, ObjectInherit", "None", "Allow"
$accessRule = New-Object System.Security.AccessControl.FileSystemAccessRule $permission
$acl.SetAccessRule($accessRule)
$acl | Set-Acl c:\files
```



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