Enhancing the Flexible Work Style
Microsoft Desktop Optimization Pack (MDOP)

Virtualize

Microsoft Application Virtualization (App-V)
Virtually any application, anywhere

Microsoft User Experience Virtualization (UE-V)
Change your device, keep your experience

Microsoft Enterprise Desktop Virtualization (MED-V)
Enable your Windows XP-based apps on Windows 7

Restore

Microsoft Diagnostics and Recovery Toolset (DaRT)
Restore user productivity quickly

Manage

Microsoft BitLocker Administration and Monitoring (MBAM)
Simplified BitLocker management

Microsoft Advanced Group Policy Management (AGPM)
Checkpoint your policy rollout, minimize downtime

Windows

Diagnostics and Recovery Tool (DaRT)

Diagnostics and Recovery Toolset (DaRT) is the next level in recovery.

DaRT has been updated for Windows 8.1

- Globally unique ID partition tables
- Transparent Unified Extensible Firmware Interface (UEFI) support

DaRT is part of the Microsoft Desktop Optimization Pack (MDOP)

A reimagined Recovery Image Wizard

Windows PowerShell script generation

Create x86 and x64 from the same workstation

Generates .wim and .iso images

Native tools for media creation:
- CD or DVD
- USB drives

Create Image

- Welcome
- Windows 8 Media
- Tools
- Remote Connections
- Advanced Options
- **Create Image**
- Generate Files
- Finish

The DaRT Recovery Image Wizard will create the DaRT image.

Output folder:
C:\Users\steve\Desktop   Browse...

Image name:
DaRT8

Files will written to: C:\Users\steve\Desktop\DaRT8\x64

☑ Create WIM
   You can optionally create a boot.wim file with the configuration selected.

☑ Create ISO
   You can optionally create an .iso file. This file can be used to create bootable media.

☑ Create PowerShell script
   Choose this option to create a PowerShell script that will re-create the DaRT image with options you selected.

Advanced editing:

☐ Edit image
   Choose this option if you need to add or modify the files that will be in the DaRT image you are creating.

More information about Create Image

Help   < Previous   Next >   Create   Cancel

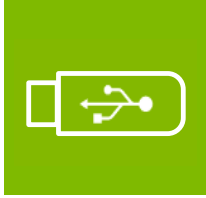# Improved DaRT Scripting Functionality

Windows PowerShell cmdlets

Deployment Image Servicing and Management cmdlets

Provide End-to-End coverage of the image-generation process

MDOP DaRT Deployment Options

Removable media:
- DaRT CD
- DaRT USB Flash Drive

Local installation:
- Manually
- Microsoft Deployment Toolkit 2013
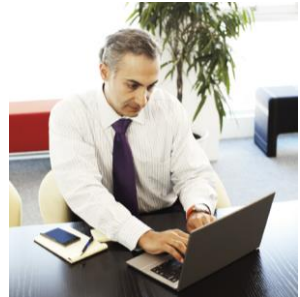- Microsoft System Center 2012 R2 Configuration Manager

Network service:
- Windows Deployment Services (WDS)

Microsoft BitLocker Administration and Monitoring: Compliance and security

MDOP MBAM: Integration

Integration with Configuration Manager

Automated encryption provisioning

Report customization with Microsoft SQL Server Reporting Services

MDOP MBAM: Reducing TCO

Users help themselves

Self-service Recovery Console

Work Anywhere on any Windows Device:
Your Data & Apps across Windows Devices

ConfigManager

App-V 5.0 (MDOP)
RemoteApp (RDS)

Folder Redirection, UE-V

User Settings + Apps + Data

User Settings+ Apps + Data

Windows

Microsoft User Experience Virtualization (UE-V)

Personal and flexible

A consistent, personal Windows experience for all work styles:
- App and Windows personalization
- App reconfiguration not required
- Sync is smart—logins are faster
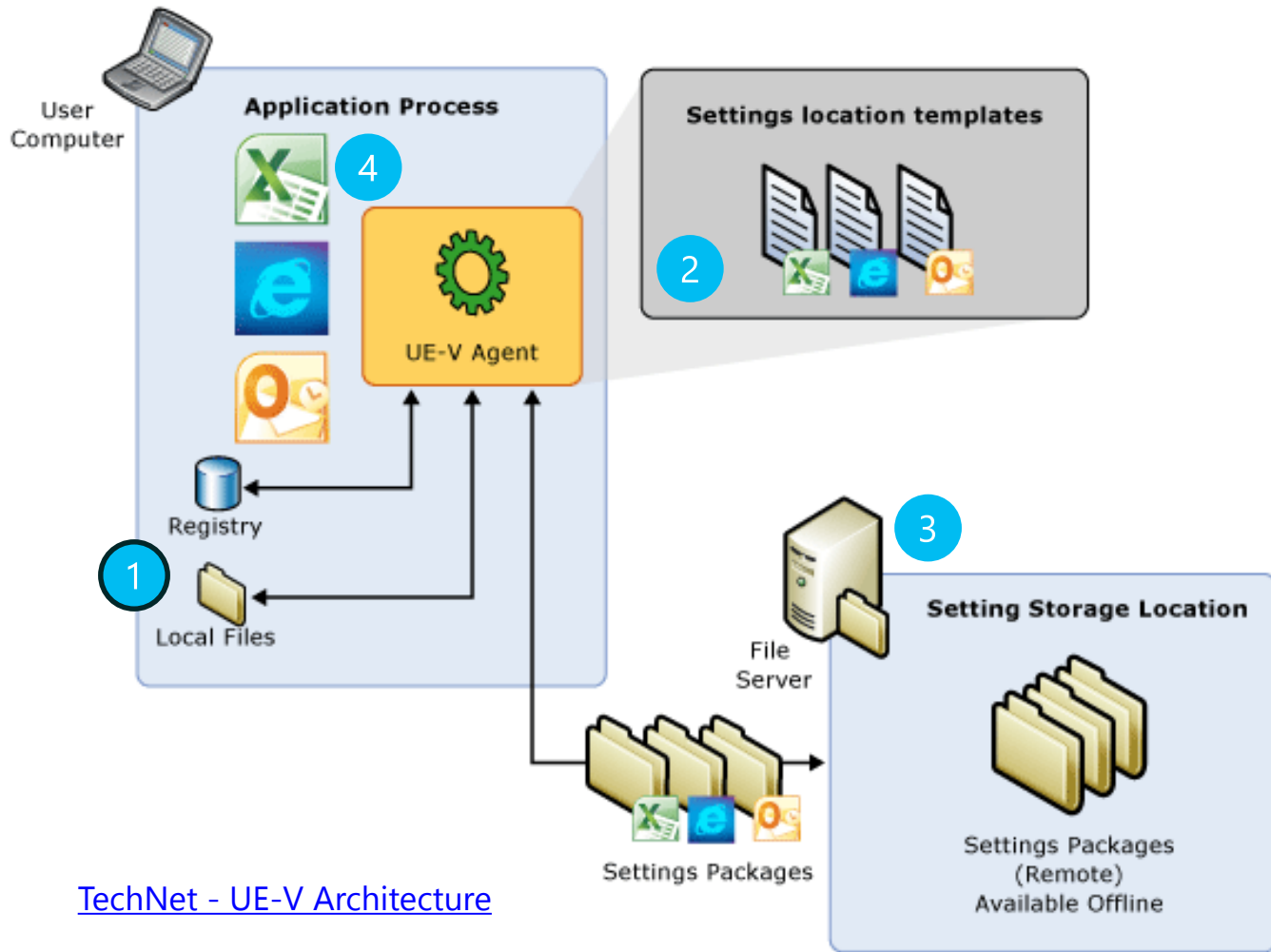
Simple and versatile

Easy for IT to deliver personal, user-defined experiences, across many devices:
- Setting location templates
- Can create custom templates
- IT can roll back settings

Integrated and scalable

Integrates and scales through existing management tools:
- Configuration Manager
- Microsoft desktop virtualization
- Manage and deploy with Windows PowerShell, Configuration Manager, or third-party management tools

User Computer

Application Process

UE-V Agent

Registry

Local Files

Settings location templates

File Server

Setting Storage Location

Settings Packages

Settings Packages
(Remote)
Available Offline

TechNet - UE-V Architecture

1 App settings

2 App monitoring

3 Settings storage

4 Triggers: Collect and apply settings

Microsoft Application Virtualization (App-V)

Integrated platform

Work in familiar ways:
- Virtual Application Extension
- Use the native file system and registry
- No dedicated drive letter required

Flexible virtualization

Virtualizing a broader range of apps:
- Virtual Application Connection
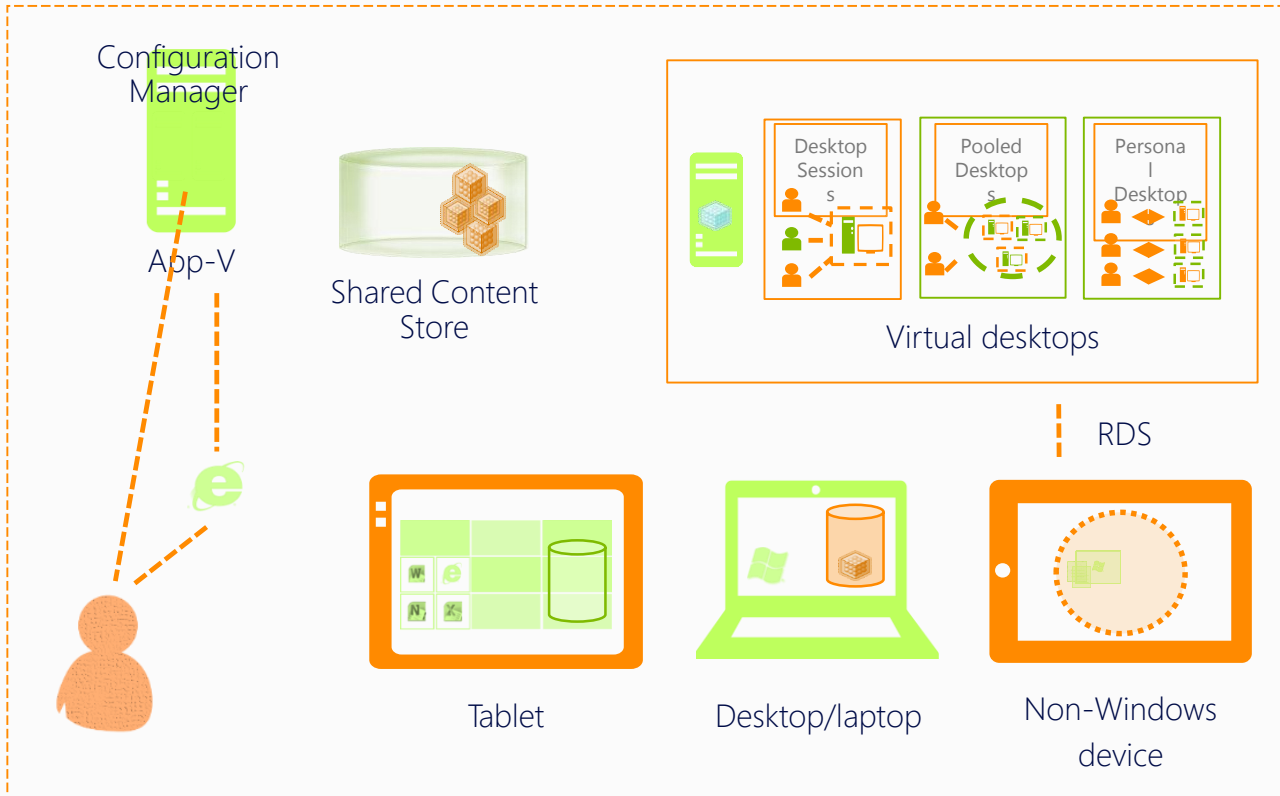- Support for Microsoft Office 2013

Powerful management

Manage across physical and virtual environments:
- New web-based management interface
- Virtual Application Connection groups
- Automation with Windows PowerShell

Powerful Application Management

Deploy, track, and service apps across physical and virtual environments

Configuration Manager

App-V

Shared Content Store

Desktop Sessions

Pooled Desktops

Personal Desktop

Virtual desktops

RDS

Tablet

Desktop/laptop

Non-Windows device

Shared content store

Save disk space in Virtual Desktop Infrastructure (VDI)/Remote Desktop Services (RDS): Store apps centrally and maintain full control of updates in App-V and Configuration Manager.
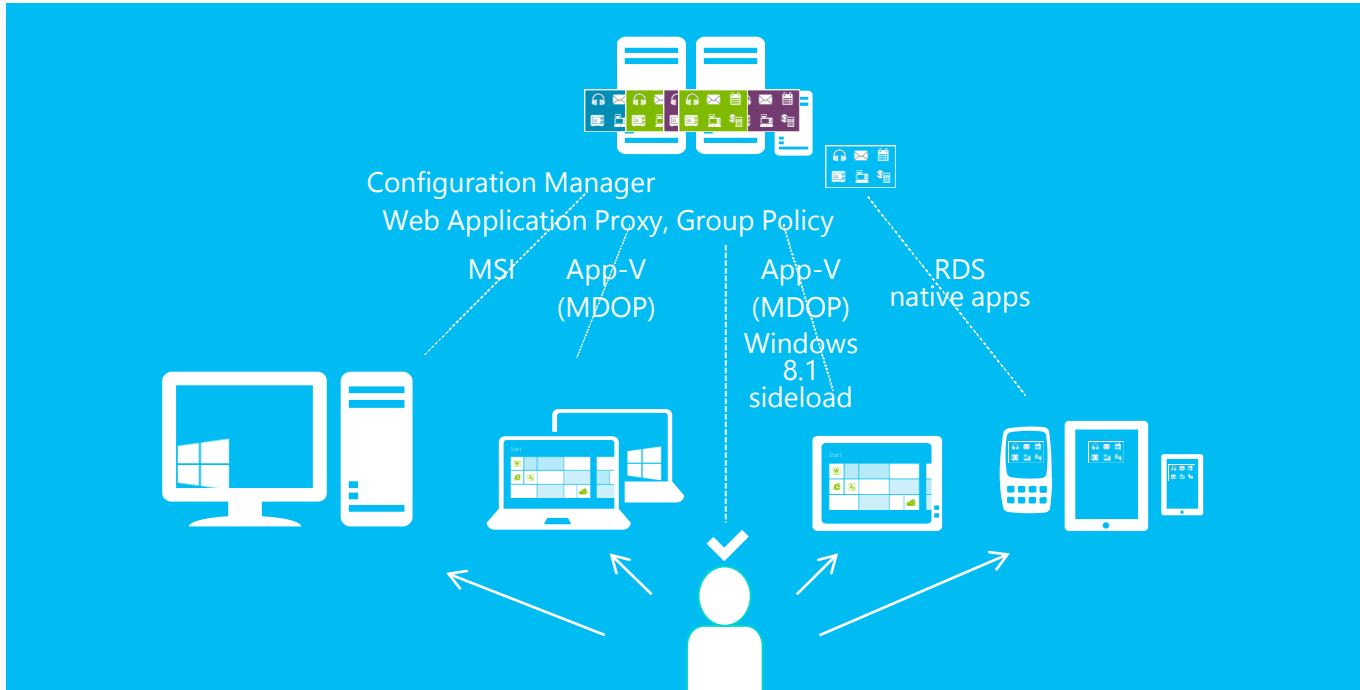
Benefits

Web-based administration makes it easy to discover and use features.

Optimize disk space in VDI without changing management workflow.

Automate repetitive or complex tasks with Windows PowerShell.

Enabling App access from many Devices

Configuration Manager
Web Application Proxy, Group Policy

MSI   App-V (MDOP)   App-V (MDOP)   RDS native apps
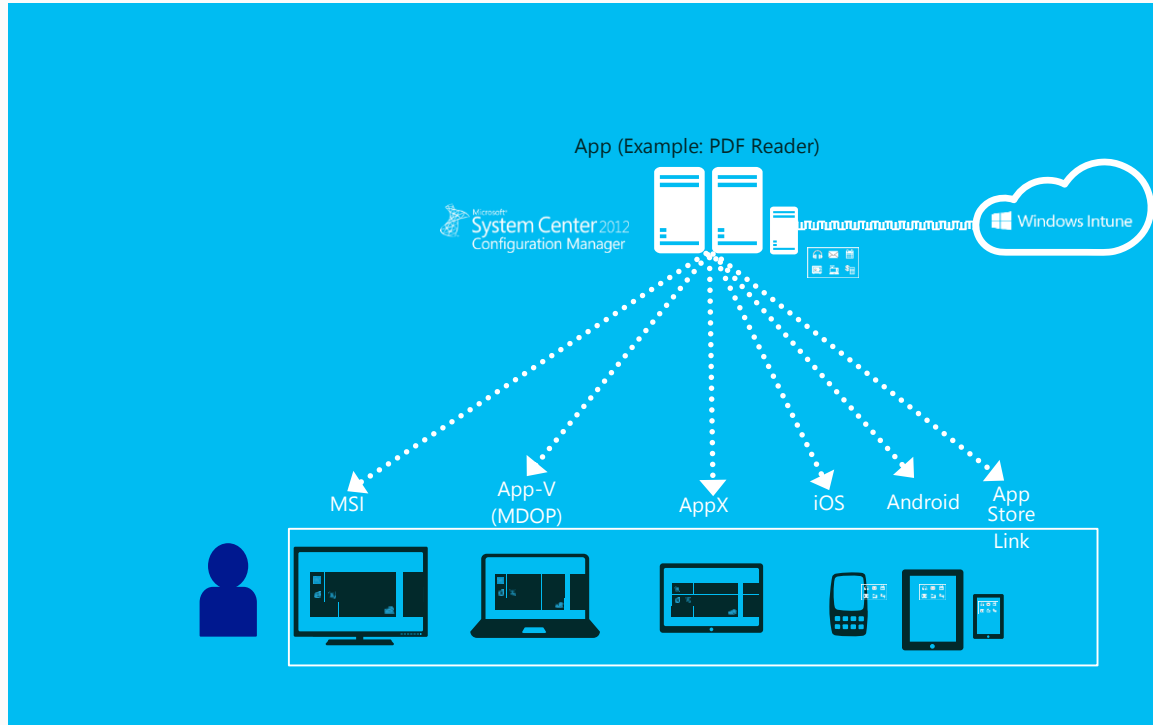
Windows 8.1 sideload

BENEFITS

- Centralized tool to manage user devices
- Increased security and compliance for devices
- User-focused and device-relevant app delivery
- Unified, consistent device management experience

People-Centric Application Delivery

Accessing apps the right way on the right device with Configuration Manager

App (Example: PDF Reader)

Microsoft System Center 2012 Configuration Manager

Windows Intune

MSI

App-V (MDOP)

AppX

iOS

Android

App Store Link
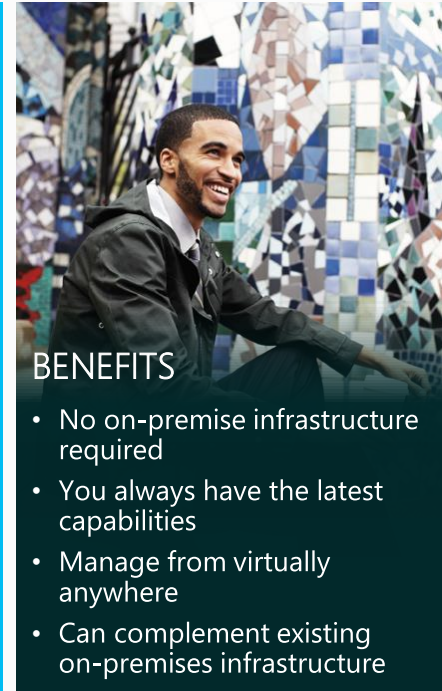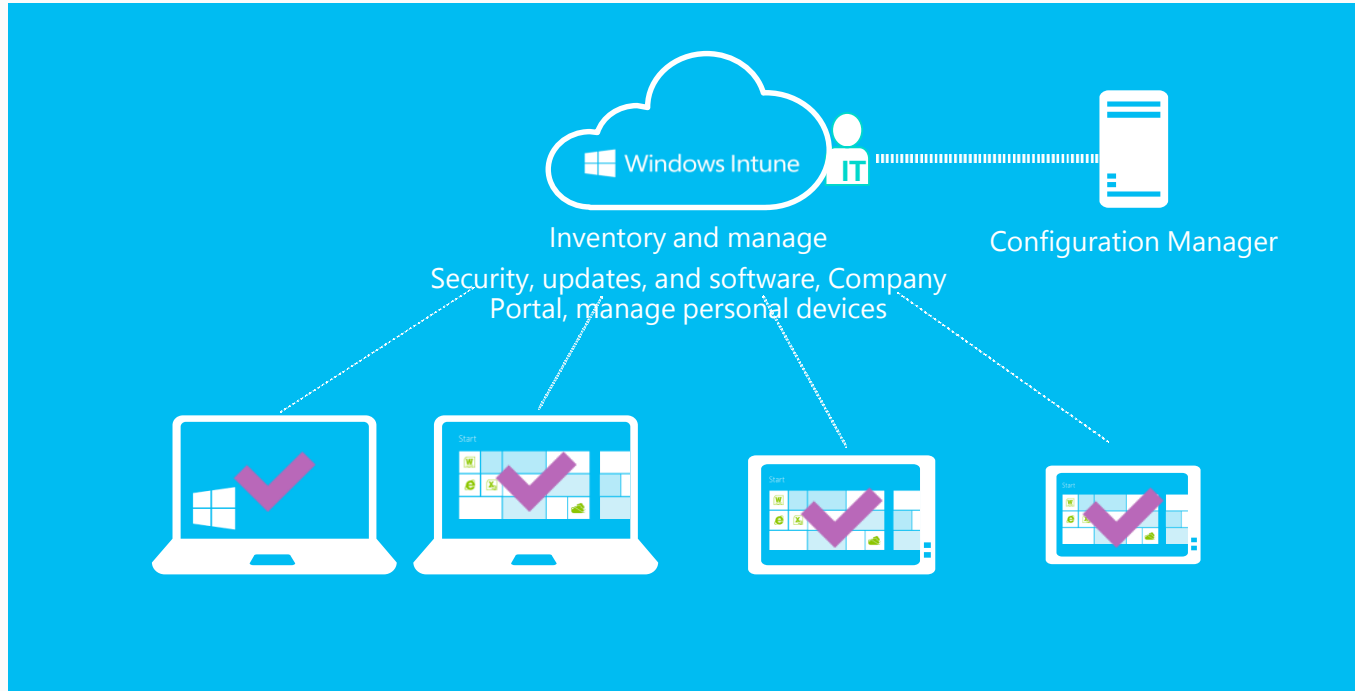
Target apps based on user role

Evaluate device capabilities for optimal app delivery:

- Local installation
- App-V
- VDI

Deliver apps to devices through sideloading and deeplinks:

- Windows
- Windows RT
- Windows Phone 8
- iOS
- Android

Cloud Management for Devices

Windows Intune

Inventory and manage
Security, updates, and software, Company Portal, manage personal devices

Configuration Manager

BENEFITS

- No on-premise infrastructure required
- You always have the latest capabilities
- Manage from virtually anywhere
- Can complement existing on-premises infrastructure

Advanced Manageability: Windows 8.1 and MDOP

Windows PowerShell 4.0

Improve routine task automation:

- Windows PowerShell 4.0 provides workflows, robust connections, and additional capabilities, improving routine task automation.

Push-button reset

Keep users productive:

- Restore the corporate image while preserving user data.
- Restore the corporate image while removing all user data.

Group Policy

Simplify desktop configuration:

- Refresh Group Policy settings remotely.
- Determine the status of replication across a domain.
- Reduce the number of reporting tools required.

MDOP

Advanced management with Microsoft Desktop Optimization Pack (MDOP):

- Powerful change management for Group Policy with Microsoft Advanced Group Policy Management.
- Accelerate desktop repair with Microsoft Diagnostics and Recovery Toolset.

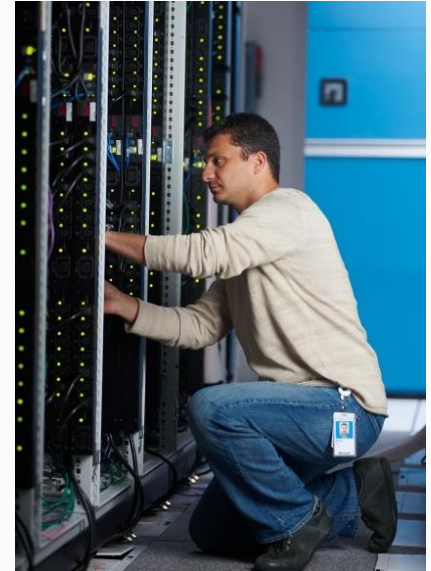# MDOP Tools Summary

Diagnostic and Recovery ToolSet

Microsoft BitLocker Administration and Monitoring (MBAM)

Advanced Group Policy Management (AGPM)

User Experience Virtualization (UE-V)

Application Virtualization (App-V)

MED-V

Thank you!