70-688

Managing and Maintaining Windows 8

New exam title: Supporting Windows 8.1

The following tables itemize changes to Exam 70-688. These changes will be made in January 2014 to include updates that relate to Windows 8.1 tasks and terminology changes. Some of the updates in the table simply clarify the tasks currently being tested on the exam. We have also added more information to help you better prepare for the exam.

Objective domain

1. **Design an installation and application strategy (25%-30%)**
   Support operating system and application installation (33%)

Tasks currently measured	Tasks to be added/updated in January 2014
Design an operating system installation strategy Windows To Go; operating system virtualization; native VHD boot; multi boot; upgrade vs. migration	Updated: **Support operating system installation** Support Windows To Go; manage boot settings, including native VHD and multiboot; manage desktop images New: Customize a Windows installation by using Windows PE
Design an application strategy for desktop applications Application compatibility using Client Hyper-V; Remote Desktop Protocol (RDP); Application Compatibility Toolkit (ACT); App-V; application updates; application co-existence; application reputation; Internet Explorer 10 management	Updated: **Support desktop apps** Desktop app compatibility using Application Compatibility Toolkit (ACT), including shims and compatibility database; desktop application co-existence using Hyper-V, RemoteApp, and App-V New: Installation and configuration of User Experience

	Virtualization (UE-V); deploy desktop apps by using Windows Intune
Design an application strategy for cloud applications Microsoft Office 365; Windows Store applications; restricting Windows Store content; AppLocker; internal content	<u>Updated:</u> **Support Windows Store and cloud apps** Install and manage software by using Office 365 and Windows Store apps <u>New:</u> Sideload apps into online and offline images; sideload apps by using Windows Intune; deeplink apps by using Windows Intune; integrate Microsoft account, including personalization settings and Trusted PC
Design a solution for user settings User profiles; USMT 5.0/WET; Windows Live integration; folder redirection; user experience virtualization (UE-V)	These tasks will be integrated into other areas of this exam.

2. **Maintain resource access (25-30%)**
    Support resource access (35%)

Tasks currently measured	**Tasks to be added/updated in January 2014**
Design for network connectivity IPv4 and IPv6; name resolution; wireless; network security; network settings	<u>Updated:</u> **Support network connectivity** Identify and resolve issues related to: IPv4 and IPv6, including transition technologies; names resolution, including Peer Name Resolution Protocol (PNRP) and DNSSEC; wireless networks and connections; network security, including Windows Firewall and IP security
Design for remote access Off-network use and management; metered networks; VPN; RDP; DirectAccess; remote administration	<u>Updated:</u> **Support remote access** Identify and resolve issues related to: VPN, including Connection Manager Administration Kit (CMAK); RDP, including Remote Desktop Services Gateway access

	New: Identify and resolve issues related to Network Access Protection (NAP)
Design for authentication and authorization Two-factor authentication including certificates, smart cards, picture passwords, and biometrics; workgroup vs. domain; trust relationships; local account vs. Microsoft account	Updated: **Support authentication and authorization** Identify and resolve issues related to: multi-factor authentication, including certificates, virtual smart cards, picture passwords, and biometrics New: Identify and resolve issues related to: HomeGroup, computer and user authentication, including secure channel, account policies, credential caching, and Credential Manager; Workplace Join Unchanged: Identify and resolve issues related to: local account versus Microsoft account
Manage data storage Resolve data storage issues; manage pools; manage data availability using BranchCache	Updated: **Support data storage** Identify and resolve issues related to: storage spaces, including capacity and fault tolerance; optimizing data access by using BranchCache New: Identify and resolve issues related to: DFS client, including caching settings; SkyDrive
Manage data security Manage share/NTFS permissions for storage spaces; configure EFS; configure security for removable media; manage BitLocker and BitLocker To Go	Updated: **Support data security** Identify and resolve issues related to: permissions, including share, NTFS, and Dynamic Access Control (DAC); Encrypting File System (EFS), including Data Recovery Agent; access to removable media; BitLocker and BitLocker To Go, including Data Recovery Agent and Microsoft BitLocker Administration and Monitoring (MBAM)

3. **Maintain Windows clients and devices (25-30%)**
   Support Windows clients and devices (38%)

Tasks currently measured	Tasks to be added/updated in January 2014
Manage hardware and printers Resolve hardware and device issues; sync devices and resolve sync issues; monitor and manage print servers	Updated: **Support operating system and hardware** Resolve hardware and device issues, including STOP errors and Reliability Monitor; monitor and manage printers, including NFC Tap-to-Pair and printer sharing; remediate startup issues by using the Diagnostics and Recovery Toolkit (DaRT) New: Optimize performance by using Windows Performance Toolkit (WPT), including Xperf.exe, Xbootmgr.exe, XperfView.exe, and Windows Performance Recorder (WPR); monitor performance by using Data Collector Sets, Task Manager, and Resource Monitor
Manage mobile devices Resolve mobility issues; manage mobile device policies including security policies, NFC, secure SIM, and remote access; manage mobile access; manage Microsoft Exchange ActiveSync in mobile devices	Updated: **Support mobile devices** Support mobile device policies, including security policies, remote access, and remote wipe; support mobile access and data synchronization, including Work Folders and Sync Center New: Support broadband connectivity, including broadband tethering and metered networks; support Mobile Device Management by using Windows Intune, including Windows RT, Windows Phone 8, iOS, and Android
Design a recovery solution PC refresh/reset; Windows 7 file recovery; recovery drive; system restore; user files including local files, SkyDrive, and file history; user profile settings; application settings	These skills will be integrated into other areas of this exam.
Manage endpoint security Resolve endpoint security issues; manage updates using Windows Update; manage client	Updated: **Support client compliance** Manage updates by using Windows Update and

security using Windows Defender; manage client security using the Microsoft System Center 2012 Endpoint Protection client; configure application reputation	Windows Intune, including non-Microsoft updates; manage client security by using Windows Defender, Windows Intune Endpoint Protection, or Microsoft System Center 2012 Endpoint Protection New: Manage Internet Explorer 11 security; support Group Policy application, including Resultant Set of Policy (RSoP), policy processing, and Group Policy caching
Manage clients by using Windows Intune (moved from Objective 4) Manage updates and update groups; configure the company portal; monitor on-network and off-network machines; manage asset inventor	Updated: Manage user and computer groups; configure monitoring and alerts; manage policies; manage remote computers

4. **Managing Windows 8 using cloud services and Microsoft Desktop Optimization Pack (20-25%)**

Tasks currently measured	Tasks to be added/updated in January 2014
Manage clients by using Windows Intune Manage updates and update groups; configure the company portal; monitor on-network and off-network machines; manage asset inventor	Tasks/skills measured will be moved to Objective 3: Support Windows clients and devices.
Manage public cloud services Manage Windows Live services including Trusted PC, storage, SkyDrive/Live Mesh apps, and groups; implement Office 365 using the Office 365 desktop setup; manage Office 365	Tasks/skills measured will be integrated into other objectives.
Monitor and maintain clients by using MDOP Remediate startup issues using the Diagnostics and Recovery Toolkit (DaRT); monitor clients using System Center Desktop Error Monitoring; manage the App-V client; manage BitLocker and BitLocker To Go using Microsoft BitLocker Administration and Monitoring (MBAM)	Tasks/skills measured will be integrated into other objectives.