Filename: microsoft-ms101-3-4-1-plan-device-monitoring
ShowName: Microsoft 365 Mobility and Security
SubTitle: Exam MS-101
Topic: Plan for Devices and Apps
EpisodeName: Plan Device Monitoring
Description: Adam and Wes discuss how to plan for device monitoring using Intune.

**Plan Device Monitoring**

Implement Modern Device Services (30-35%)

Plan for Devices and Apps
• Create and Configure Microsoft Store for Business
• Plan App Deployment
• Plan Device Co-management
• Plan Device Monitoring
• Plan for Device Profiles
• Plan for Mobile Application Management
• Plan Mobile Device Security

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Plan Device Monitoring

Windows Analytics is a set of solutions for Azure Portal that provide you with extensive data about the state of devices in your deployment. There are currently three solutions which you can use singly or in any combination:

NOTE: The Upgrade Readiness and Device Health solutions of Windows Analytics are being retired on January 31, 2020. Update Compliance will continue to be supported.

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1. Upgrade Readiness - provides basic telemetry with capabilities:

    • Lifecycle management for Win10 compatibility and deployment readiness
    • Device & application inventory
    • Driver and application compatibility information


2. Update Compliance - provides basic telemetry with capabilities:

    • Monitoring of Win10 Feature & Quality update compliance
    • Reports on update compliance issues
    • Status information on Windows Defender signature & threats
    • Status information for delivery optimization


3. Device Health - provides enhanced (limited) telemetry with capabilities:

    • Monitoring of Win10 device & application health
    • Crash report details related to drivers
    • Reports for login health & authentication method trends
    • Windows Information Protection misconfiguration identification
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NOTE: There are 4 tiers of diagnostic data available:

```
1. Security
2. Basic
3. Enhanced / Limited Enhanced
4. Full
```

Configure Windows diagnostic data in your organization:
https://docs.microsoft.com/en-us/windows/privacy/configure-windows-diagnostic-data-in-your-organization#diagnostic-data-levels

Prerequisites -

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• Azure subscription

• Commercial ID - provided once you setup the OMS workspace; used to specify
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the workspace to associate with for device enrollment; can be configured using Intune, ConfigMgr or a GPO.

NOTE: Regenerate a Commercial ID key only if your original ID key can no longer be used. Regenerating a commercial ID key resets the data in your workspace for all solutions that use the ID. Additionally, you will need to deploy the new commercial ID key to user computers again.

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• Windows 10 - Professional, Education & Enterprise

• Windows Telemetry - must be enabled

• Data sharing - list of endpoints to communicate with
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Enrolling devices in Windows Analytics:
https://docs.microsoft.com/en-us/windows/deployment/update/windows-analytics-get-started#enable-data-sharing

How to enable Windows Analytics using a GPO:

PATH:

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Computer Configuration
   Administrative Templates
      Windows Components
         Data Collection and Preview Builds
```

POLICIES:

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1. Allow Telemetry
2. Configure the Commercial ID
3. Limit Enhanced Diagnostic Data to the Minimum Required by Windows Analytics
```

NOTE: Data will take UP TO 24 hours to populate the log analytics workspace.

NOTE: Microsoft provides a deployment script that can be used for upgrade
readiness.

Upgrade Readiness deployment script:
https://docs.microsoft.com/en-us/windows/deployment/upgrade/upgrade-readiness-deployment-script