

Simplifying repetitive administrative tasks by using low-code solutions

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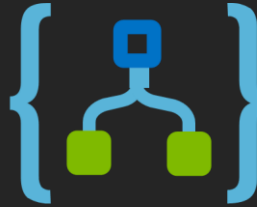
Simplifying repetitive administrative tasks by using low-code solutions

Getting familiar with the capabilities of the Azure Logic Apps for low-code automation solution for Microsoft Intune and Azure AD

Agenda

- Quick introduction to Azure Logic Apps
- Quick introduction to Microsoft Graph
- Quick introduction to Adaptive Cards for Microsoft Teams
- [Demo] Using Logic Apps (workflows) with Microsoft Intune
- Quick introduction to Azure Automation Accounts
- [Demo] Using Logic Apps with Azure AD
- Closing notes and summary

Quick introduction to Azure Logic Apps



- Available via <https://portal.azure.com>
- Used for workflow automation
- Offers integration with custom APIs
- Trigger based on a recurrence and/or condition
- Add numerous built-in actions
- Ability to 'design' your own code
- Code can be used as well to write in JSON language
- Examples for which Logic Apps can be used:
 - Administrative tasks;
 - Business processes;
 - Adoption;
 - Alerts;
 - Many more;
- The biggest limitation is your own creativity 😊

Quick introduction to Microsoft Graph



- Single endpoint via <https://graph.microsoft.com>
- Gateway to data and intelligence in Microsoft 365
- Connectors for delivering data external to the Microsoft cloud
- Data Connect for delivering data to popular Azure data stores
- REST APIs and client libraries to access data on
 - Microsoft 365 core services
 - Enterprise Mobility and Security services (including Azure Active Directory and Microsoft Intune)
 - Windows 10 services
 - Dynamics 365 Business Central
- Everything to retrieve data and automate tasks

Quick introduction to Adaptive Cards for Microsoft Teams

- Open card exchange format to exchange UI content
- Content described as JSON-object
- Content rendered natively inside the app
- Payload supported by Microsoft Teams
 - Other examples are for example Microsoft Outlook
- Keep it simple and expressive
- Easy method for creation via <https://adaptivecards.io/>



[Demo] Using Logic Apps (workflows) with Microsoft Intune

- Expiring Apple MDM Push Certificate
- [Windows Autopilot status information]
- [Retiring noncompliant devices]

Quick introduction to Azure Automation Accounts



- Available via <https://portal.azure.com>
- Run Python or PowerShell scripts directly in Azure
- Supports the use of PowerShell Modules
- Supports variables and certificates
- Use Hybrid workers to connect back to your own VM
- Possible cost saving
- Runbook can be triggered as an action in Azure Automation
- Output can be retrieved via a Logic App and be used in next steps
- Take out 'complex logic app steps' and put them into simple PowerShell steps and output

[Demo] Using Logic Apps with Azure AD

- Expiring client secrets and certificates
- Expiring SAML SSO Federation certificates

Closing notes and summary

- Use Developer Tools of Microsoft Edge for finding the Graph call
- Use Microsoft Graph docs for finding details of the Graph call
- Use the Adaptive Cards designer for a nice design
- Start with simple activities and grow to more advanced activities
- Use Azure Automation to simplify your Logic Apps
- Adaptive Cards are also a great fit for user adoption.

Resources:

- Logic App JSONS and Automation scripts are available at:
[AzureAD/NordicVirtualSummit at master · IdentityMan/AzureAD \(github.com\)](https://github.com/AzureAD/NordicVirtualSummit)

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