ABOUT ME

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[Cloud Technologies – All about Cloud Technologies (wordpress.com)](#)

VOHKUS®

TECHNOLOGYEDGE >|< **BUSINESS**EDGE®

HEAD OF IT INFRASTRUCTURE & AUTOMATION

22 Plus years of broad technical experience in the areas of Infrastructure, Cloud & Security architect, solution design, pre-sales & implementation in the technology platform such as Microsoft Windows, Linux, VMware, Storage and Networking Technologies. Strong technical expertise in migration of infrastructure workloads to public, private & Hybrid cloud, Infra & Application Automation, Business process Automation.

Introduction to Microsoft Power Platform

Agenda

Microsoft Power Platform overview

Process Automation Use Cases

Process Automation Use Cases Demo

(Q)uestion & (A)nswer

Microsoft Power Platform overview

Microsoft Power Platform

The low-code platform that bridges Office 365, Azure, Dynamics 365,
and standalone applications
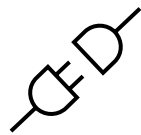
Power BI
Business analytics

Power Apps
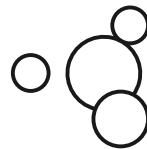Application development

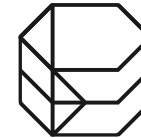**Power Automate**
Process automation

Power Virtual Agents
Intelligent virtual agents

Data connectors

AI Builder

Dataverse

The business value of Microsoft Power Platform

Easily adapt to changing workforce expectations by delivering custom, collaborative, digital experiences

Become more agile by quickly building solutions based on your organizations rapidly changing needs

Reduce extra costs associated with custom applications by leveraging low code/now code tools
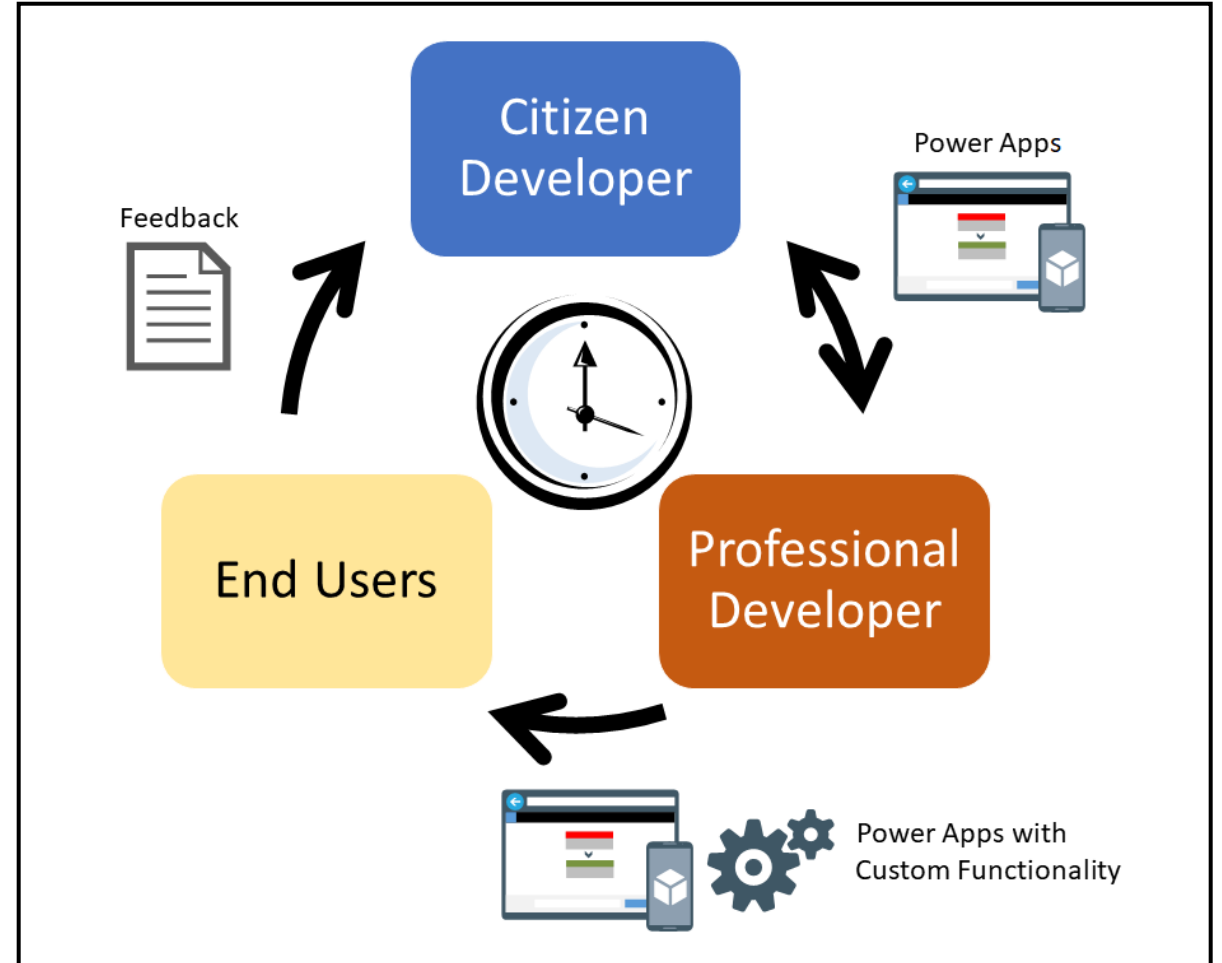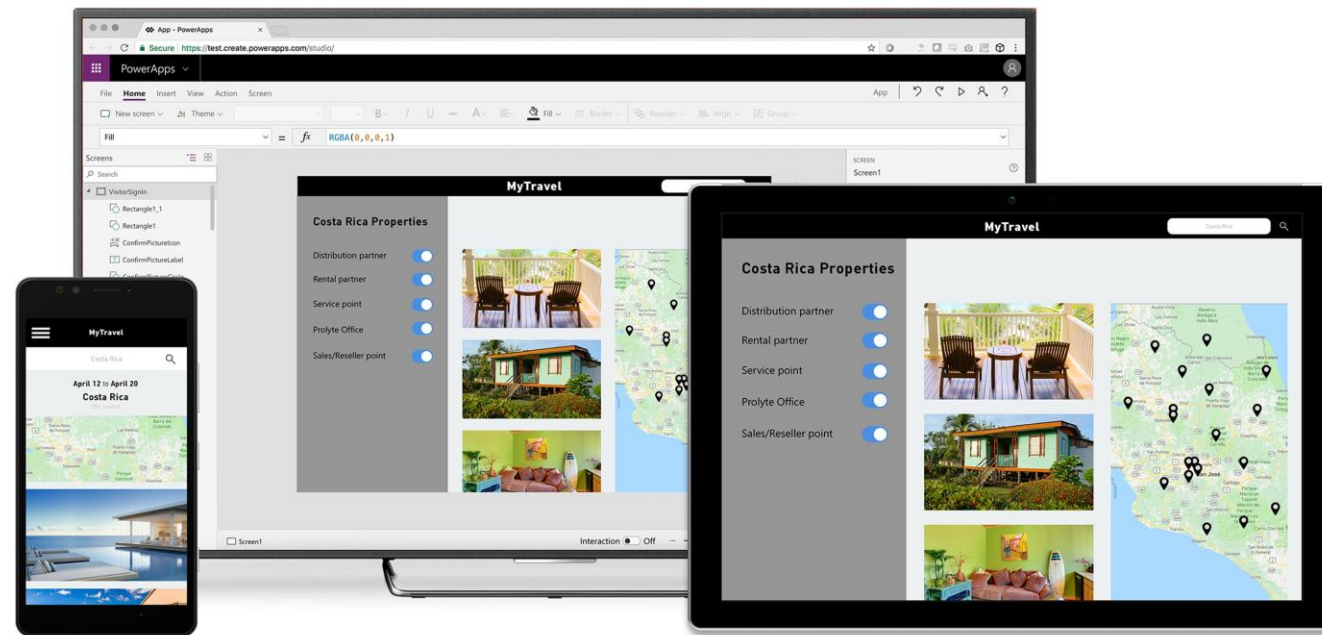
Solutions for web and mobile with Power Apps

Build highly customized task- and role-based canvas apps with data from one or multiple sources

Generate immersive model-driven apps, starting from your data model and business processes

Consume fully accessible apps across web and mobile, embedded or standalone, on any device

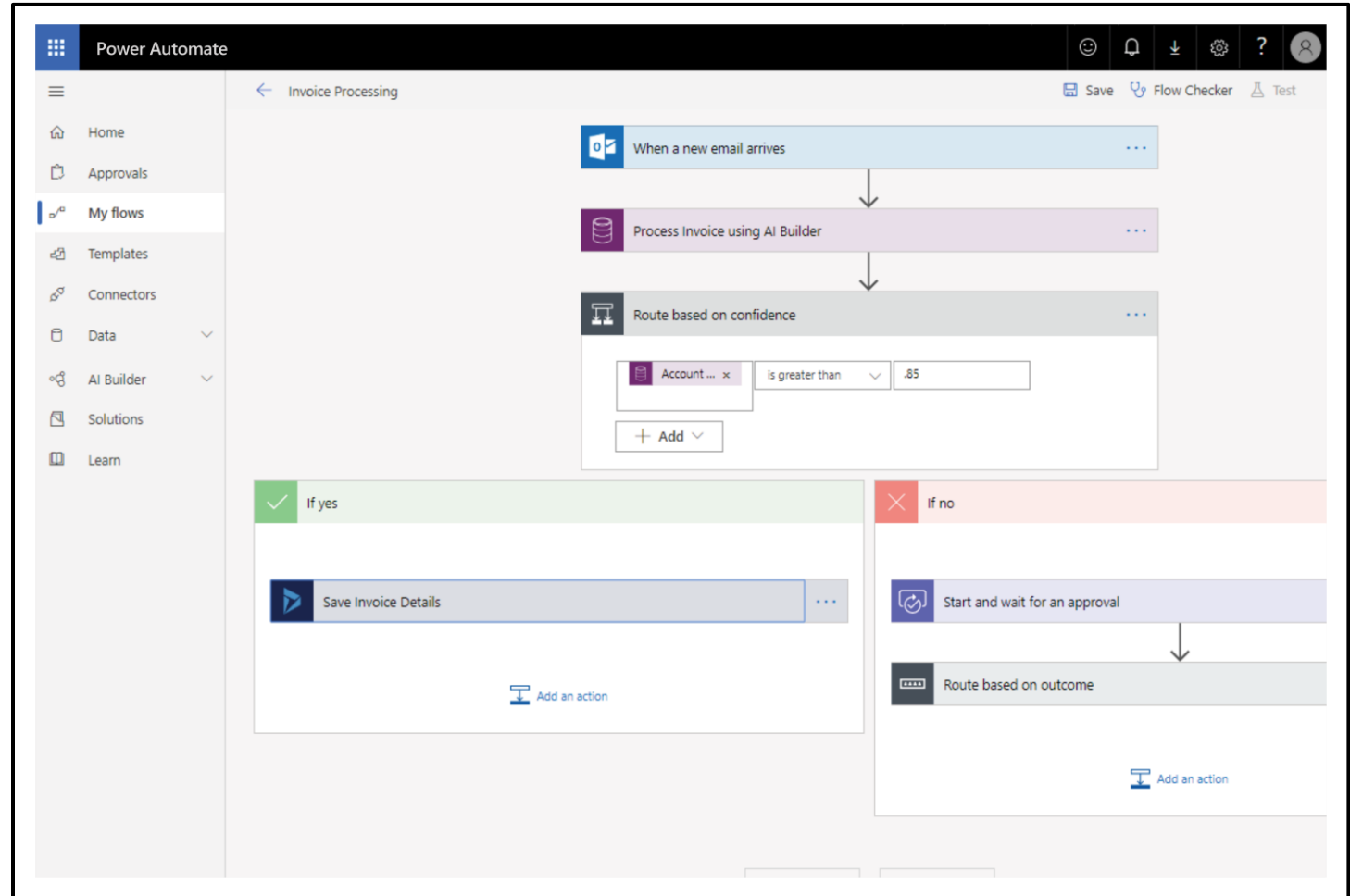# Automate and integrate business processes with Power Automate

Automate and model business processes across your apps and services

From simple automations to advanced scenarios with branches, loops, and more

Trigger actions, grant approvals, and get notifications right where you work

Automate legacy, on-prem and cloud-based applications and services

Insights from your data with Power BI

Connect to all your data and get a consolidated view across your business through a single pane of glass

Create ad-hoc analysis, live dashboards and interactive reports that are easy to consume on the web and across mobile devices

Build smart apps by infusing insights from your data and drive action with the power of Microsoft Power Platform
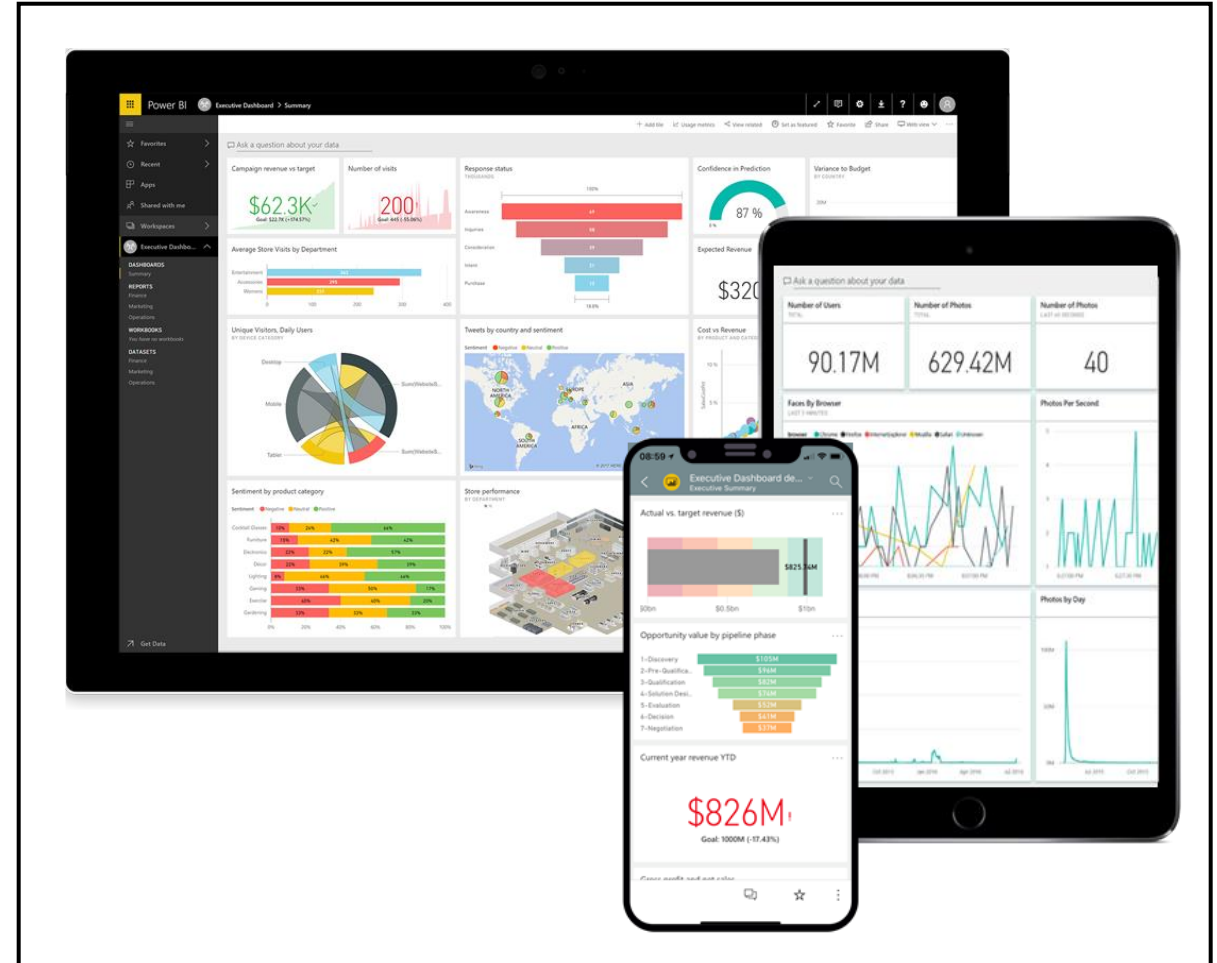
Build powerful chatbots with Power Virtual Agents

Enable subject matter experts to easily create powerful chatbots using a guided, no-code graphical interface—all without the need for data scientists or developers

Enable the virtual agent to act on the customer's behalf. Easily integrate your virtual agent with hundreds of services and systems out of the box or create custom workflows

Keep an eye on how your virtual agent is performing by using conversational metrics and dashboards. Get in-depth AI-driven insights to improve bot performance

Put all your data to work with Microsoft Dataverse

- Jumpstart apps using a standardized data model with business logic, security and integration built-in

- Extend to your own needs and integrate across your apps and services

- Seamless Dynamics 365, Office 365, and Azure integration, augmented with data from industry partners

The functional flexibility of the Power Platform

Rich Mobile Power Apps · Embedded Power Apps · Secured Web Portals [1] · Mixed Reality Experiences · Power Virtual Agents [1] · Analytics with PowerBI · Microsoft Teams · Microsoft Project [2] · Microsoft Dynamics 365 [2] · Microsoft 365 Products

Power Automate Desktop (RPA) · Power Automate Flows (DPA) · AI Builder

User Experiences

Process Automation

Data & Services

Microsoft Approvals · Power Automate Process Flows (BPM)

Native Integration to Microsoft 365 · Native Integration to Dynamics 365 [2] · Native Integration to Microsoft Azure [2] · On-Premises Data Gateway [1] · Dataverse (CDS) [1] · 450+ Connectors

zendesk · SAP · Marketo An Adobe Company · box · salesforce

Including [2]

Data connectors

Connectors are available for use in multiple products:

Power Automate

Power Apps

Logic Apps

Custom connectors:

An advantage of building custom connectors is that they can be used in different platforms, such as Power Apps, Power Automate, and Azure Logic Apps

It allows you to extend your app by calling a publicly available API, or a custom API you're hosting in a cloud provider, such as Azure.

You can create custom connectors using 3 different approaches:

- Using a blank custom connector

- From an OpenAPI definition

- From a Postman collection

Data Loss Prevention, compliance, privacy, and accessibility

Data loss prevention policies:
Data loss prevention (DLP) policies can be scoped at the environment level or tenant level, offering flexibility to craft sensible policies that strike the right balance between protection and productivity.

Compliance and data privacy:
Microsoft is committed to the highest levels of trust, transparency, standards conformance, and regulatory compliance.

- Data Protection
- Resources to manage GDPR Compliance

Accessibility in Microsoft Power Platform:
Microsoft Power Platform is accessible and inclusive to all kinds of users all over the world.

An accessible canvas app will allow users with vision, hearing, and other impairments to successfully use the app.

Pulling it all together

Microsoft Power Platform helps to add value to any business by analyzing, acting and automating

Build custom apps in Power Apps
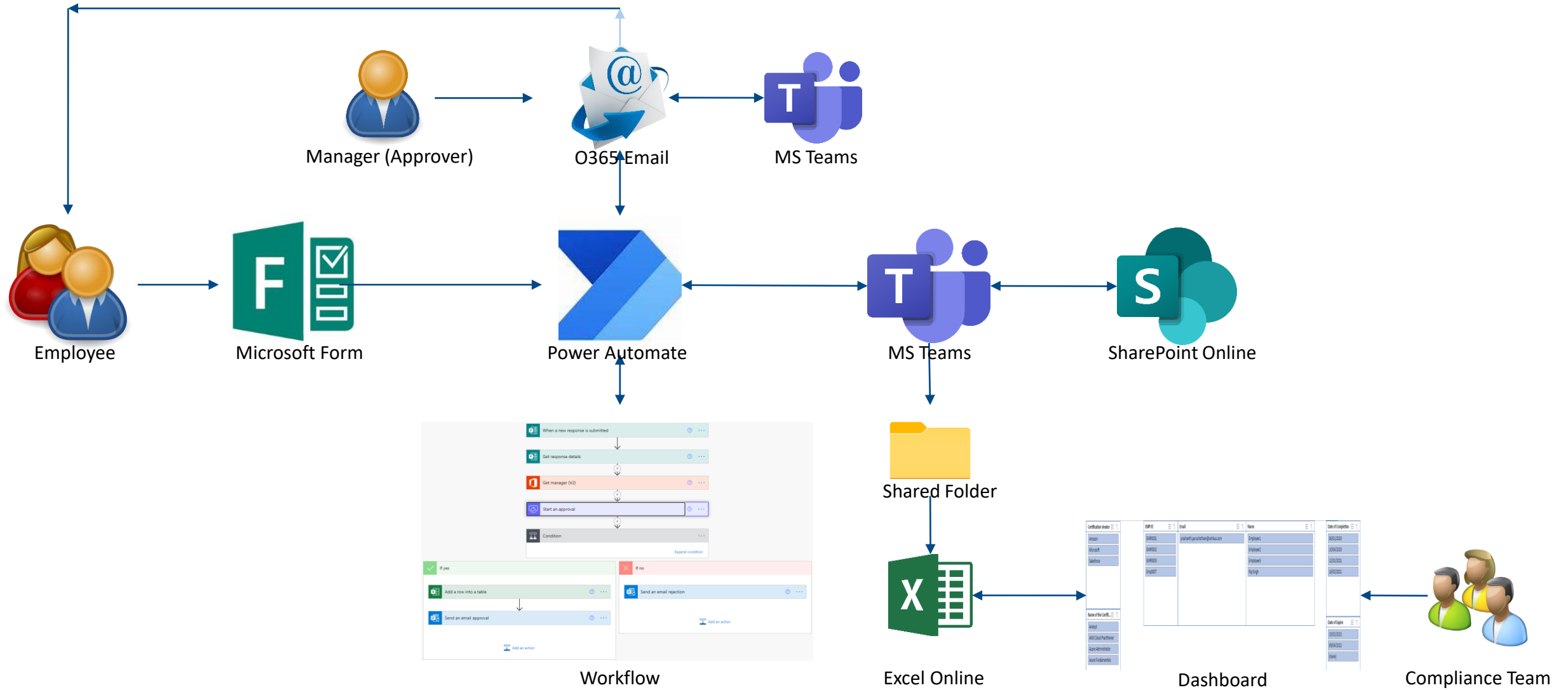
Automate processes with Power Automate

Analyze data with Power BI

Build powerful chatbots with Power Virtual Agents

Process Automation – Use Cases
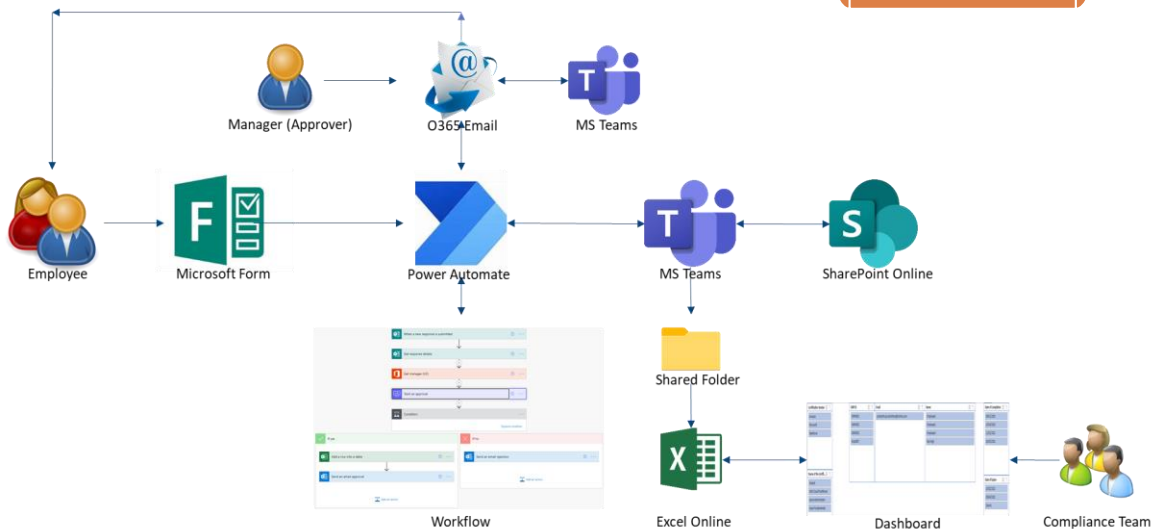
Certification Profiling

Certification Profiling

Requirement:

Collecting Certification details from all the team members across organization and evaluating certifications for vendors accreditation.
Dashboard, Report with Notifications

AS IS:

Certification details collection and validation is manual and time taking

Challenges:

How to collect all the Certification details from all the Team members across organization, validating the required certifications, Monitoring and Notification for the Certification validity

End User access URL (Microsoft Form)

End User will fill the certification details and Submit the Form (Microsoft Form)

Approval Email will be triggered to Requestor Manager

Manager Approval Required — Yes / No

Post Manager Approval data will get saved in SharePoint Online / MS Teams Folder into an Excel Online File

Requestor will get the Acknowledge Email with Manager Rejected Status

Requestor will get the Acknowledge Email with Manager Approved Status

Certification details will not be saved into the Excel Online file

Employee Certification Details will be saved in Excel Online file and it is available for compliance team

Solution:

Process Automation for Certification Profiling, Data captured through Microsoft Forms, post submission validation and approval from there manager, data will be stored in SharePoint (Excel file) and Enabled with Dashboarding, Reporting and Notifications

Benefits:

- Automated Process
- Avoid Human Errors
- Data validation by Manager/Spoc along with approvals
- Dashboard, Reporting with Notifications

Microsoft 365 Dashboard & Reporting

Centralized Custom Dashboard for VMware Platform

- End to End visibility of VMware operations across Uxbridge & Leeds datacenter
- Alerts & Environment view
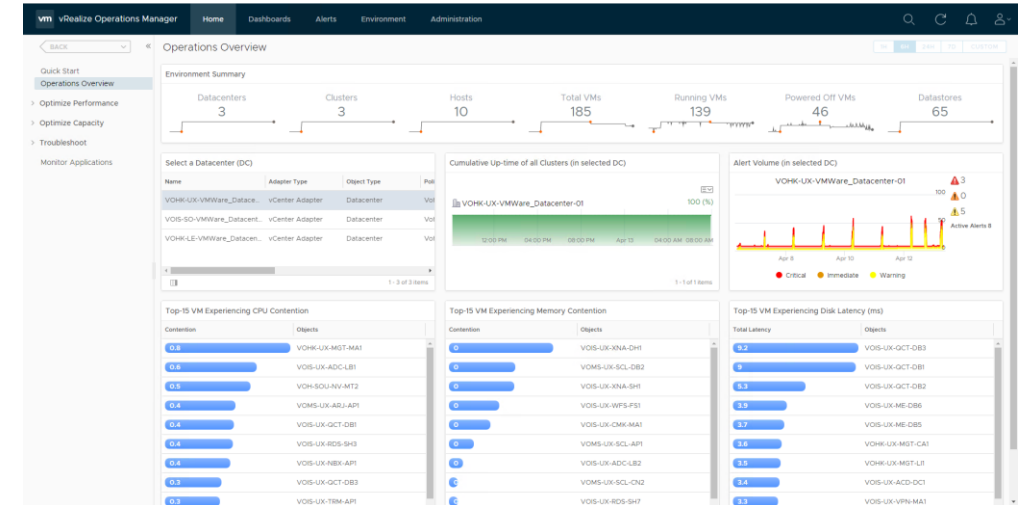
Microsoft 365 Usage Analytics Dashboard

- End to End visibility of Microsoft 365 Adoption, Usage, Communication, Collaboration, Storage and Mobility
- Activation & Licenses Assigned
- Product Usage (Exchange Online, OneDrive, SharePoint Online & Teams)
- User Activity across all the products mentioned above
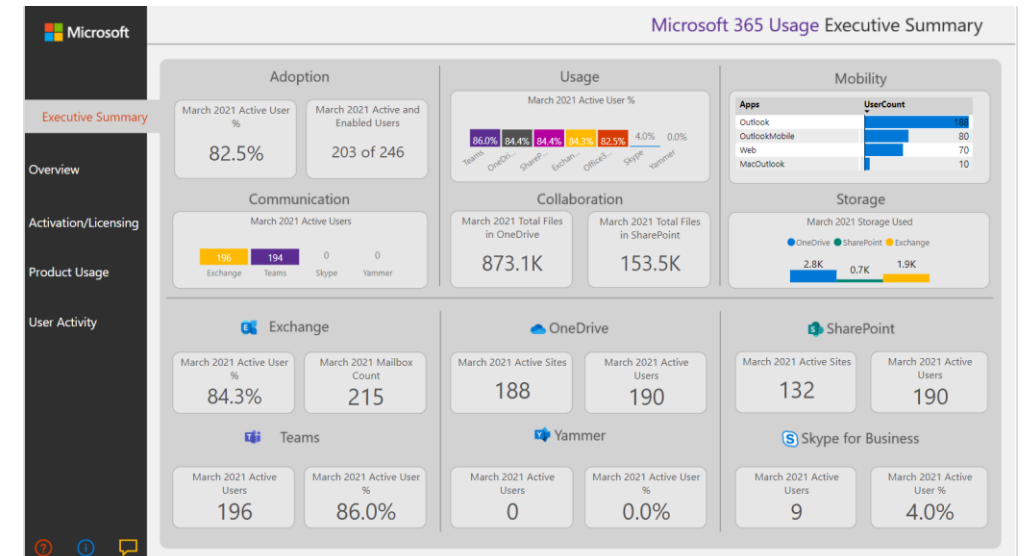
Process Automation – Use Case Demo

Process Automation – Use Case

Scenario:

Bellows College is an educational organization with multiple buildings on campus. Campus visitors are currently recorded in paper journals. The information is not captured consistently, and there are no means to collect and analyze data about the visits across the entire campus.

Campus administration would like to modernize their visitor registration system where access to the buildings is controlled by security personnel and all visits are required to be pre-registered and recorded by their hosts.

Throughout this demo, you will build applications and perform automation to enable the Bellows College administration and security personnel to manage and control access to the buildings on campus.

Process Automation – Use Case

Demo - Steps

Microsoft Power Platform Process Automation Demo Use Case

Step 1: Validating demo lab environment

Step 2: Data modeling

Step 3: Building a canvas app

Step 4: Building a model-driven app

Step 5: Building an automated solution for notification

Steps 6: Building a simple bashboard

Microsoft Power Platform Process Automation Use Case/Instructions/Labs at master · GitHub
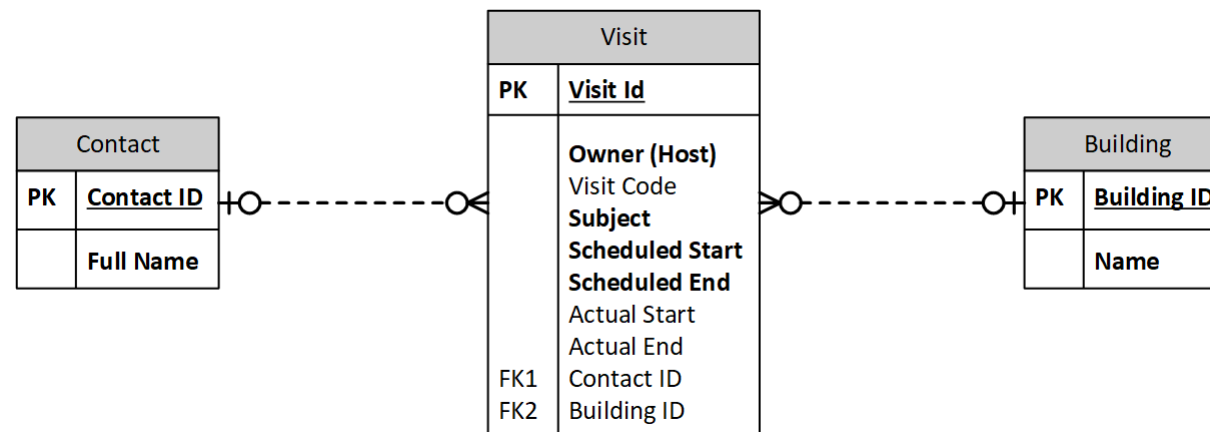
(Q)uestion & (A)nswer

Email Custom Banner

Marketing Team → Laptop → Virtual Machine → PowerShell → Mail Flow Rule ↔ Email ↔ Internal / External Users

Microsoft 365

Azure Blob Storage → Excel Online
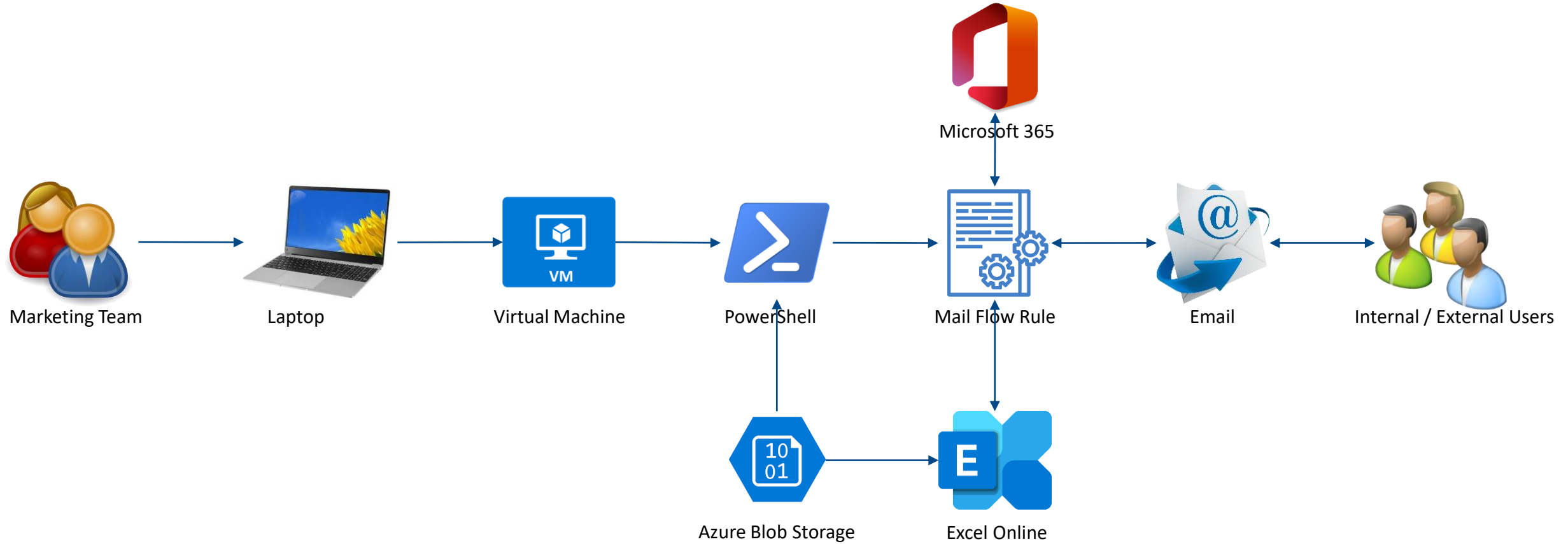
Email Custom Banner

Requirement:
Banner should get added to an Email which is sent and received. Banner should not get added multiple times for each and every reply/forward

Marketing Team → Laptop → Virtual Machine → PowerShell → Mail Flow Rule → Email → Internal / External Users

Microsoft 365

Azure Blob Storage → Excel Online

AS IS:
Post receiving banner file from marketing team, Email Signature and Banner files merged through VB script manually and it will get pushed to all the users through Active Directory Group Policies
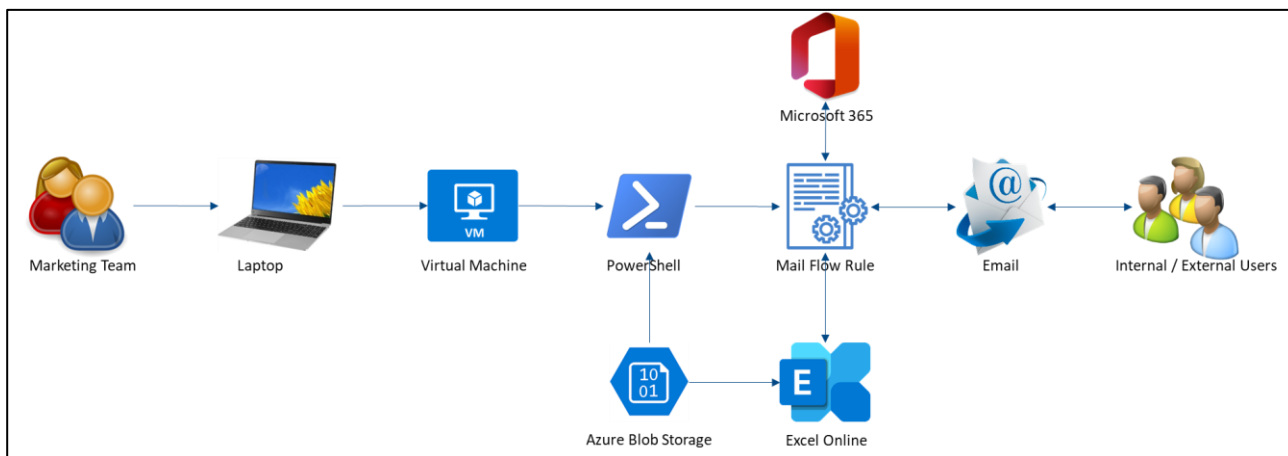
Challenges:
Post the Script update all the users should sync to Active Directory over the VPN, Challenge is to get all the users sync to Active Directory over the VPN. Banner will not be updated on the Email who is not synced to Active Directory and they have to raise a ticket for this, support engineer will connect and manually update the script and update the banner

Solution:
One click solution for uploading banner file to Azure Blob Storage and keying all the required details in terms of banner hight, width and URL link for the banner. Marketing team member will login to VM and execute the PowerShell script upload the banner file, key in the detail and click Ok. Script will update the mail flow rule with the banner setting and banner file path. Post script execution any Email outgoing/incoming will have this Banner appended

Benefits:
- One click solution
- Avoid Human Errors
- No Manual efforts required

Connect and Login to VM → Run PowerShell script, select the banner file and key in the details for banner settings → PowerShell script will upload banner file to Azure Blob Storage and update the Exchange Online Mail Flow rule with all the details → Every Email outgoing/incoming will be Appended with the Banner
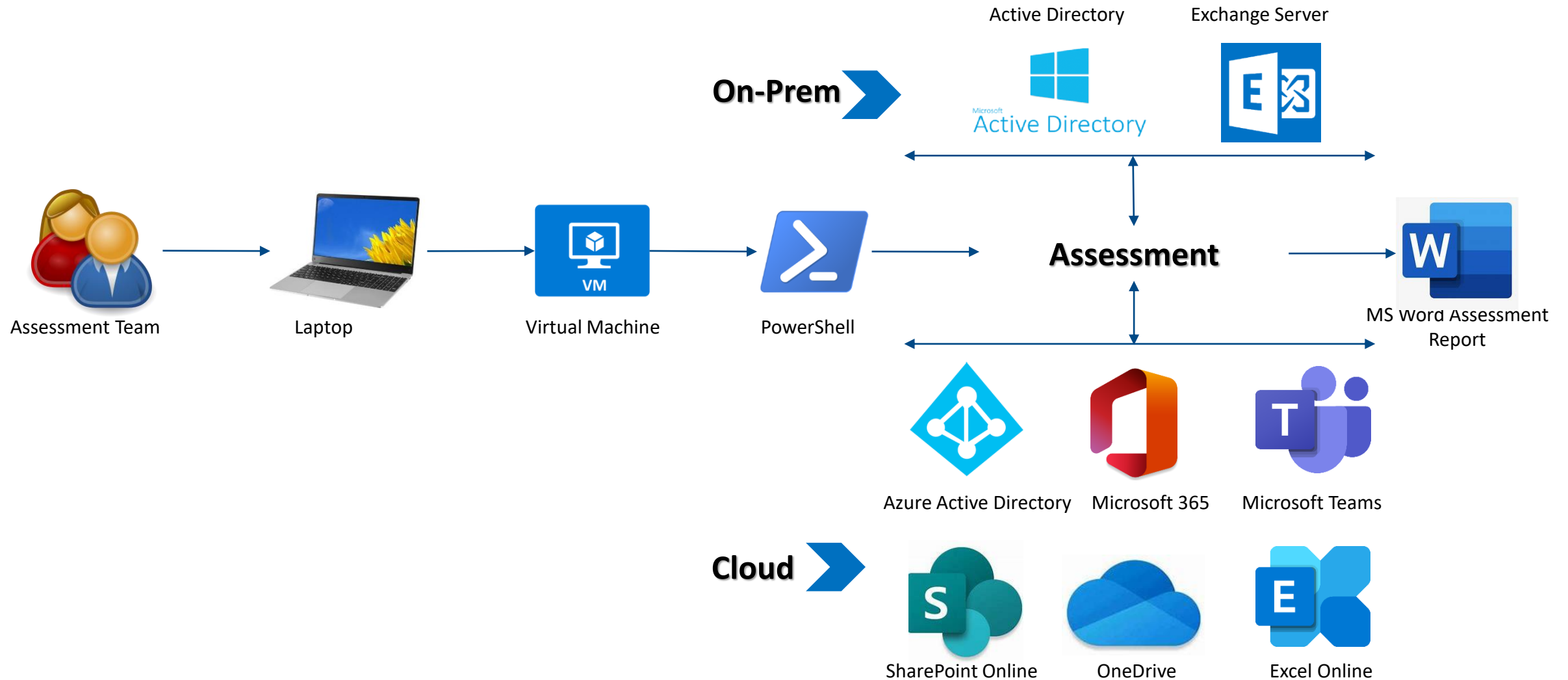
Discovery Script

Discovery Script

Requirement:

Automated method for collecting environment details as required for the Assessment and documented in Microsoft Word template

Challenges:

Running multiple PowerShell scripts and extracting and consolidating required data from the output files is taking lot of time
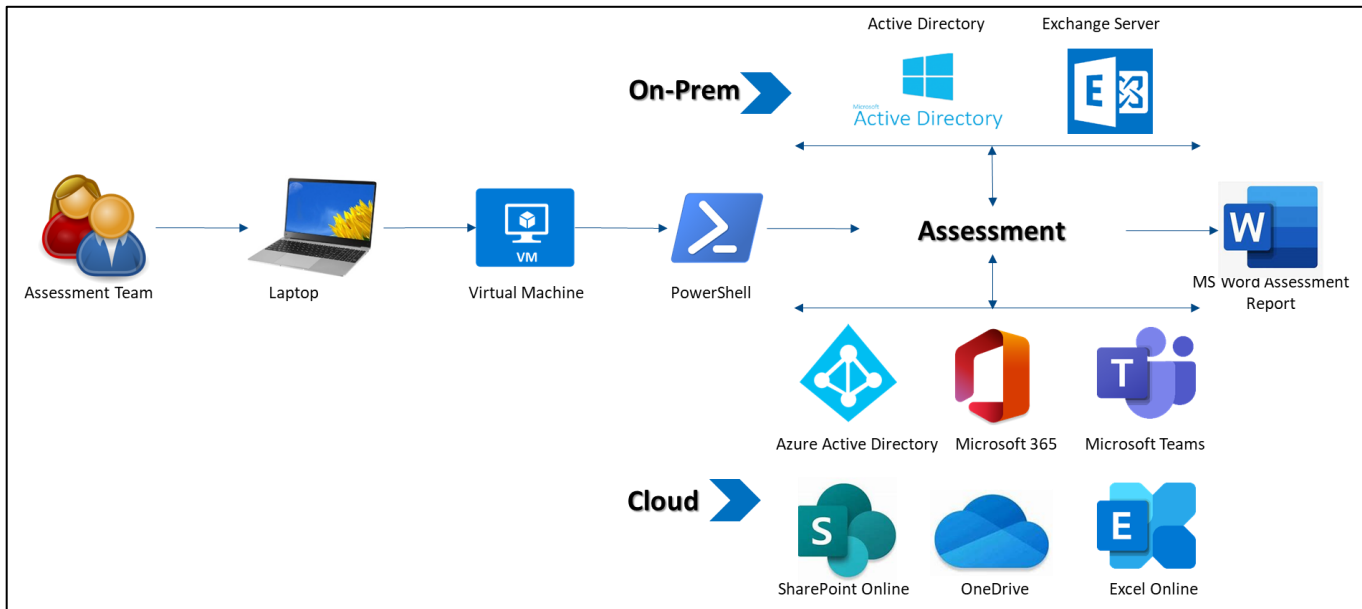
Solution:

One click solution by running PowerShell script for discovery and collecting environment information as required for the Assessment with output in Microsoft Word template

Benefits:

- One click solution
- Avoid Human Errors
- Manual efforts in running multiple scripts and extracting required data from the output files

AS IS:

Multiple PowerShell scripts are executed and required data will be extracted from the output files of the PowerShell scripts

| Check and make sure all the pre-requisites are inplace (IP address, credentials, Roles and Permission) from the customer | → | Install PowerShell and all the required PowerShell modules on the Laptop/VM | → | Run the required PowerShell script as per the Assessment (On-Prem AD/Exchange Clod – Exchange Online, SharePoint Online, MS Teams & OneDrive) | → | Post execution of the PowerShell scripts, Output will be generated in MS Word file (.docx) |

Thank you