

Soluções de Dados, Big Data e Machine Learning

Módulo 3 – Segunda Aula Interativa

PROF. GUSTAVO AGUILAR

Informações importantes

- Acesse a aula com o seu nome completo e com o mesmo e-mail utilizado no cadastro do ambiente de aprendizagem do IGTI. Entrou com os dados errados? É só sair da sala e entrar com os dados corretos!
- As presenças das Aulas Interativas são computadas através de uma enquete, que será realizada no ambiente de aprendizagem do IGTI. Para sua frequência ser computada, quando solicitado pelo professor, você deverá ir até a seção “Enquete de presença da Aula Interativa”, localizada na Área Acadêmica da disciplina, e responder a enquete. Essa seção estará logo abaixo da que contiver o link para a Aula Interativa em questão. A enquete ficará no ar por 10 minutos e sua nota estará disponível ao término desse tempo.
- Utilize o chat para interagir com os colegas durante a aula interativa! Em caso de dúvidas sobre o conteúdo, é só postá-las no Q&A que o tutor irá respondê-las! Lembre-se que você ainda pode esclarecer as suas dúvidas nos fóruns disponibilizados no Ambiente de Aprendizagem.

Informações importantes

- Ah! E se você não conseguir assistir a aula interativa, não se preocupe! Sua gravação ficará disponível no Área Acadêmica, juntamente com os slides utilizados pelo professor, em até 24 horas úteis após o término da aula. Você também poderá realizar a atividade de reposição para recuperar os pontos de presença!
- Se você precisar solicitar prorrogação e/ou 2^a oportunidade para entrega de atividades, saiba que isso é realizado somente mediante a apresentação de atestado médico ou de óbito de parentes de 1º grau.
- Para melhor experiência nas aulas interativas, sugerimos que você baixe o aplicativo do Zoom no seu computador.

Nesta Aula



- ❑ Azure Virtual Desktop.
- ❑ Automação do Aprovisionamento.
- ❑ Pipelines no Azure Data Factory.
- ❑ Azure Migrate.
- ❑ Azure Database Migration.
- ❑ Azure Information Protection.
- ❑ Quiz Premiado.

Azure Virtual Desktop



Microsoft Azure ≡ ✖ 🖨️

Home > Marketplace >

Windows Virtual Desktop - Provision a host pool

Microsoft



Windows Virtual Desktop - Provision a host pool

Microsoft

Create

Overview Plans

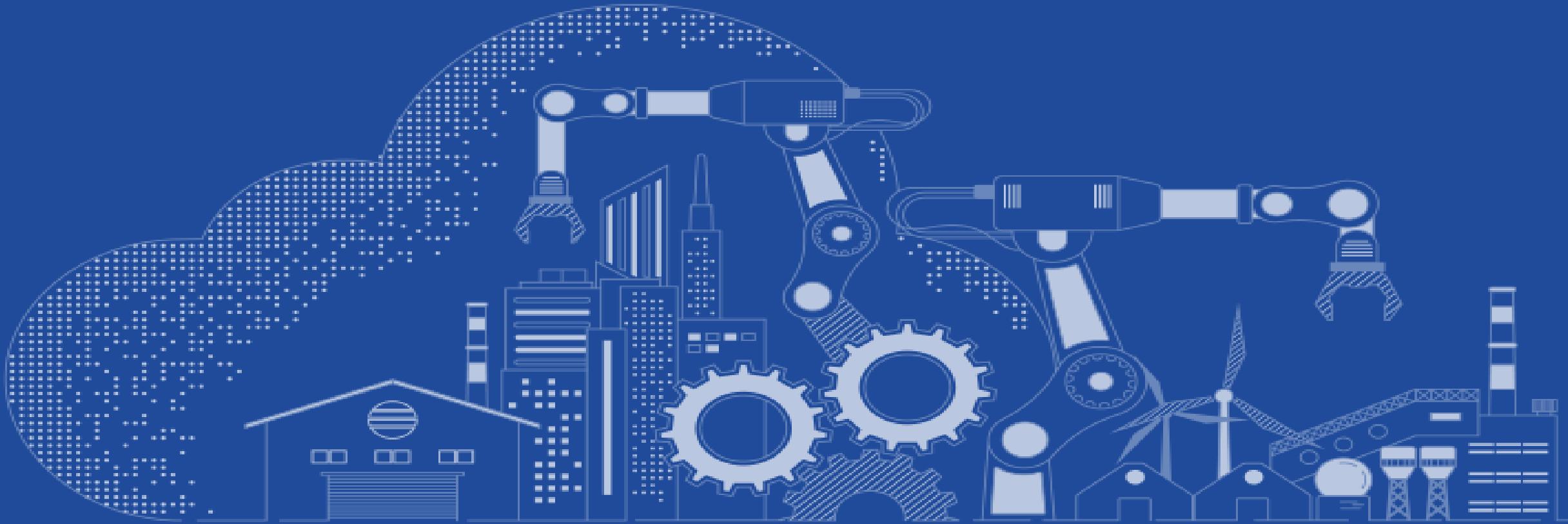
Windows Virtual Desktop allows you to deploy and scale Windows and Office on Azure in minutes, with built-in security and compliance.

Windows Virtual Desktop includes the following benefits:

- A multi-user Windows 10 experience, including compatibility with Microsoft Store and existing Windows line-of-business apps while delivering cost advantages.
- The best service to virtualize Office 365 ProPlus running in multi-user virtual scenarios.
- Provides Windows 7 virtual desktop with free [Extended Security Updates](#).
- A scalable service to deploy and manage Windows virtual machines, using Azure for compute, storage, rich diagnostics, advanced networking, connection brokering, and gateway.
- Allows you to virtualize both desktops and apps.
- Deeply integrated with the security and management of Microsoft 365.

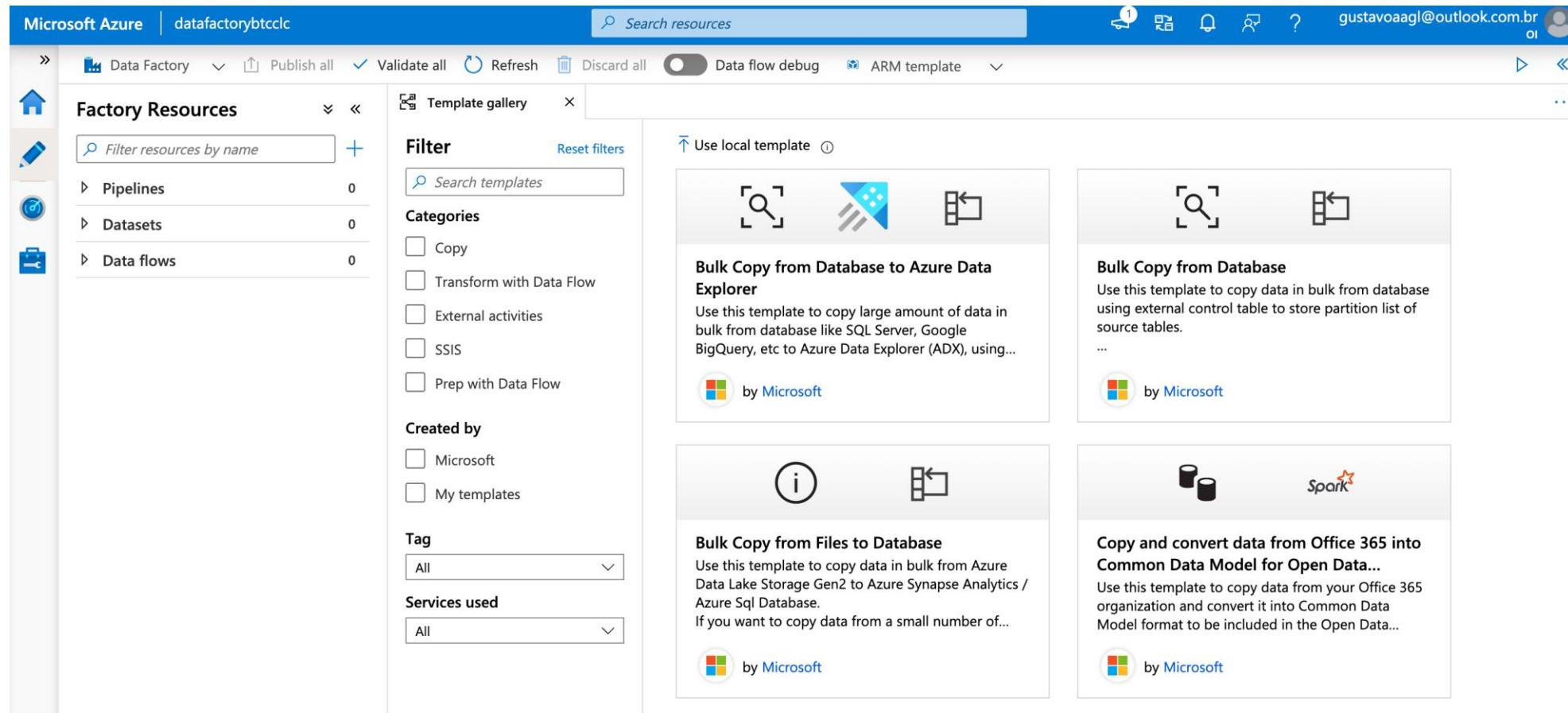
Automação do Aprovisionamento

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Pipelines no Azure Data Factory

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The screenshot shows the Microsoft Azure Data Factory Template gallery interface. The left sidebar displays 'Factory Resources' with sections for Pipelines (0), Datasets (0), and Data flows (0). The main area is titled 'Template gallery' and shows four templates:

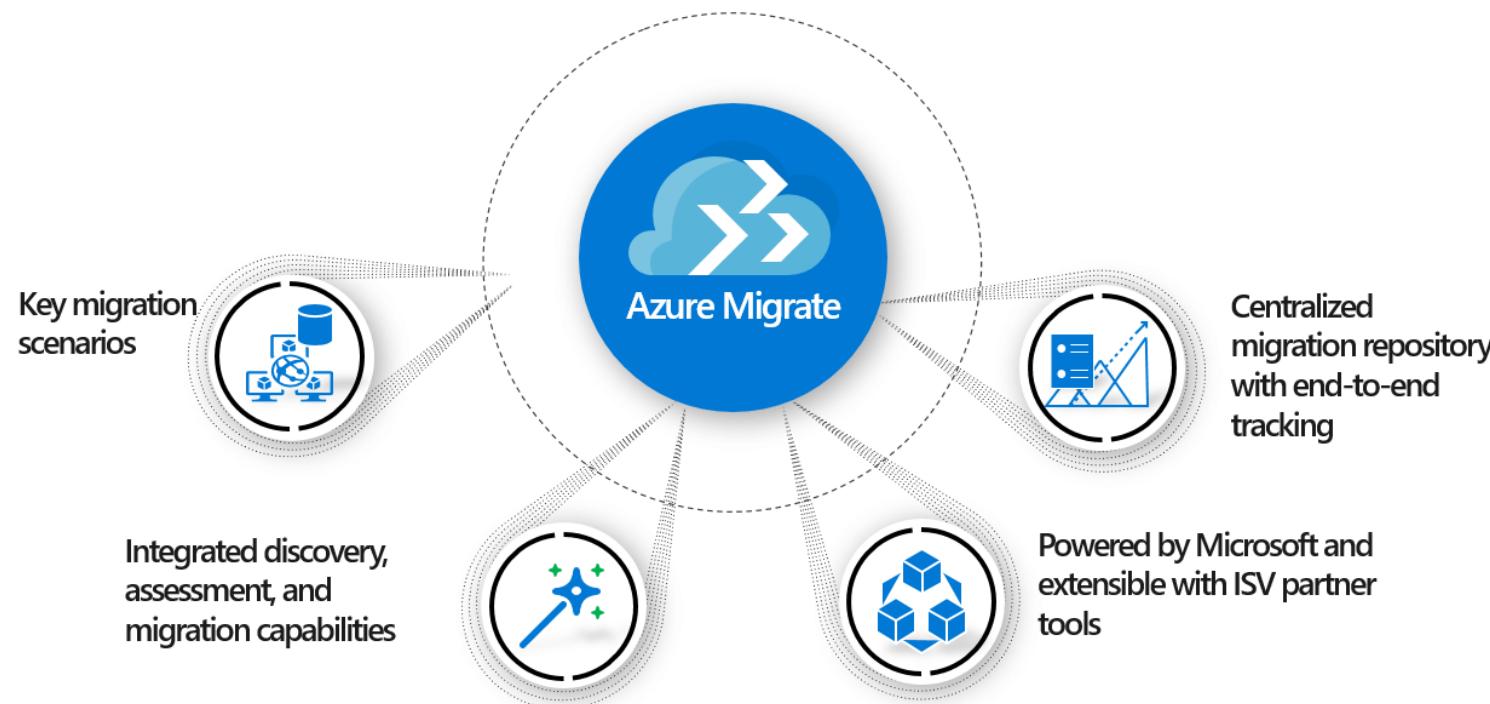
- Bulk Copy from Database to Azure Data Explorer**
Use this template to copy large amount of data in bulk from database like SQL Server, Google BigQuery, etc to Azure Data Explorer (ADX), using...
by Microsoft
- Bulk Copy from Database**
Use this template to copy data in bulk from database using external control table to store partition list of source tables.
by Microsoft
- Bulk Copy from Files to Database**
Use this template to copy data in bulk from Azure Data Lake Storage Gen2 to Azure Synapse Analytics / Azure Sql Database.
If you want to copy data from a small number of...
by Microsoft
- Copy and convert data from Office 365 into Common Data Model for Open Data...**
Use this template to copy data from your Office 365 organization and convert it into Common Data Model format to be included in the Open Data...
by Microsoft

Azure Migrate

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Azure Migrate—Hub for Datacenter Migration



Azure Migrate

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 Microsoft Azure Search resources, services, and docs (G+/-)  

Home > Marketplace >

Azure Migrat

Microsoft



Azure Migrate

Microsoft

Create

Overview Plans

Azure Migrate helps you discover, assess, and migrate applications, infrastructure, and data from your on-premises environments to Azure. You can centrally track progress of your migration journey across multiple Microsoft and third-party tools.

This includes the following functionality:

- Extensible approach with choice across Microsoft and popular third-party assessment and migration tools.
 - Integrated experience for discovery, assessment, and migration with end-to-end progress tracking for servers and databases.
 - Server Assessment and Server Migration for large-scale VMware, Hyper-V, and physical server migrations.
 - Database Assessment and Database Migration across various database targets including Azure SQL Database and Managed Instance.

Useful Links

Documentation

Azure Migrate

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Microsoft Azure 3 ? ? gustavoagl@gmail.com Profile

Home > Marketplace > Azure Migrate >

Azure Migrate

Microsoft

Search (Cmd+ /) Get started Explore more

Overview

Migration goals

- Servers
- Databases
- VDI
- Web Apps
- Data Box

Manage

- Discovered items

Support + troubleshooting

- New support request

Migrate your on-premises datacenter to Azure

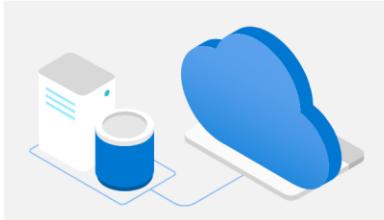
Discover, assess and migrate your on-premises applications using Microsoft or third-party tools, or [find an expert](#) to help with your migration. [Learn more](#)



Windows and Linux servers

Discover, assess and migrate your on-premises VMware and Hyper-V virtual machines or Physical servers to Azure.

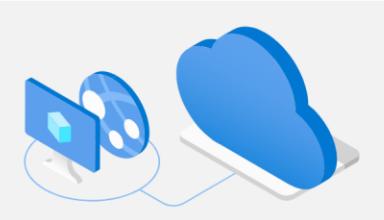
[Assess and migrate servers](#)



SQL and other databases

Assess and migrate your on-premises databases to Azure SQL Database Managed Instance or Azure SQL Database.

[Assess and migrate databases](#)

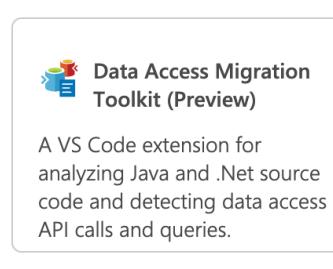
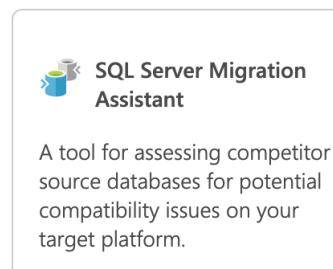
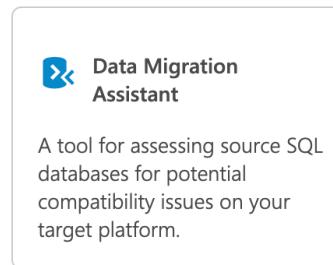
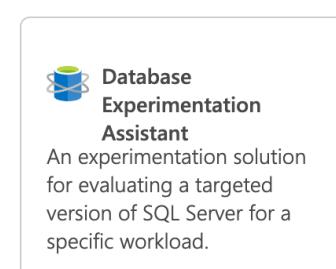
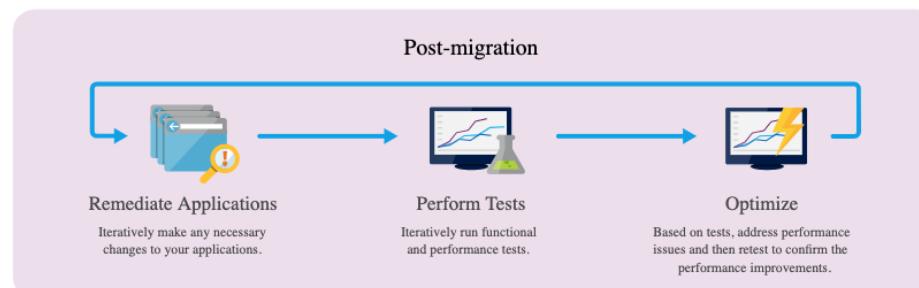
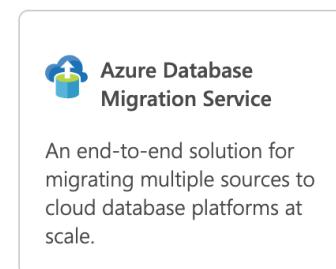
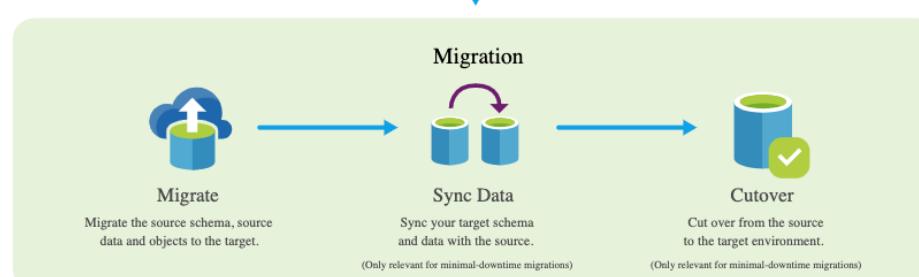
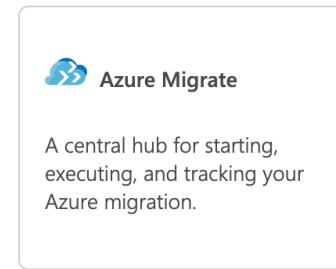
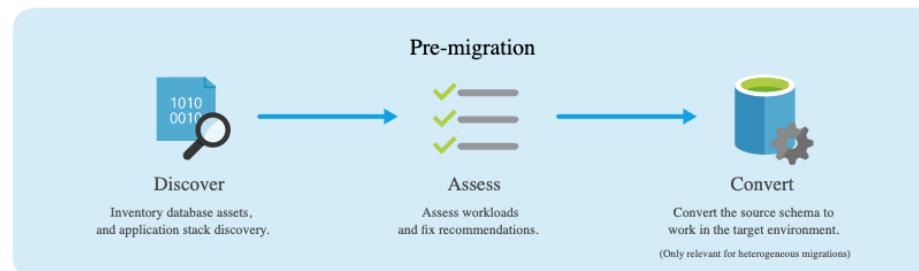


Explore more scenarios

Assess and migrate web apps, migrate data and assess virtual desktop infrastructure (VDI). Find guidance on various migration activities

[Explore more](#)

Azure Database Migration



Azure Information Protection

IGTI

Microsoft Azure

Home > New >

Azure Information Protection “AIP”

Microsoft

 Azure Information Protection Microsoft  Save for later [Create](#)

[Overview](#) [Plans](#)

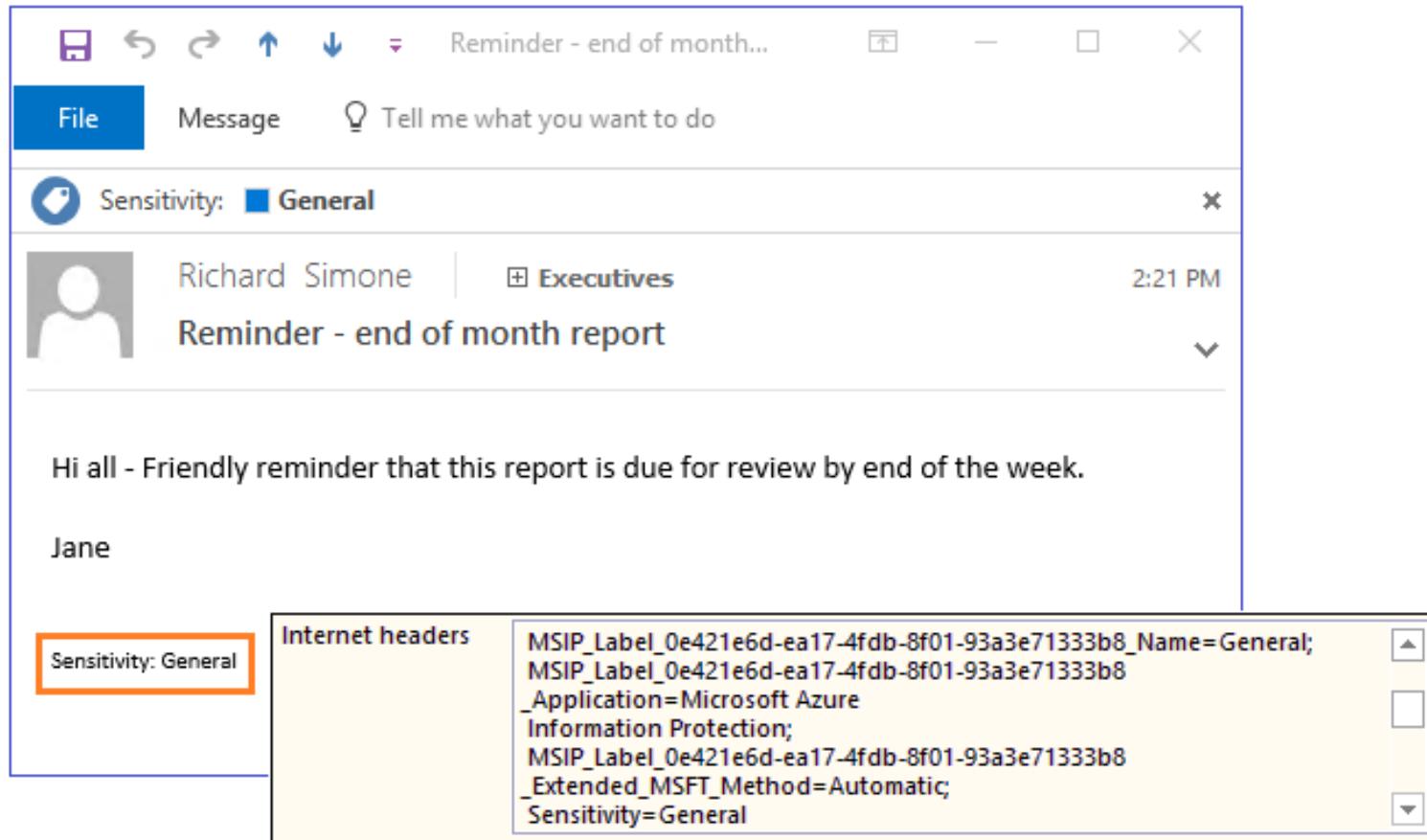
Build and deploy organizational policies for controlling sensitive information

- Define how users classify and label information
- Set conditions for automatic detection of sensitive information
- Specify how to apply RMS protection to sensitive information



Azure Information Protection

IGTi



Azure Information Protection

IGTi

Inventory list example - Excel

File Home Insert Draw Page Layout Formulas Data Review View Help Share

O8

General Personal Public General Confidential Highly Confidential

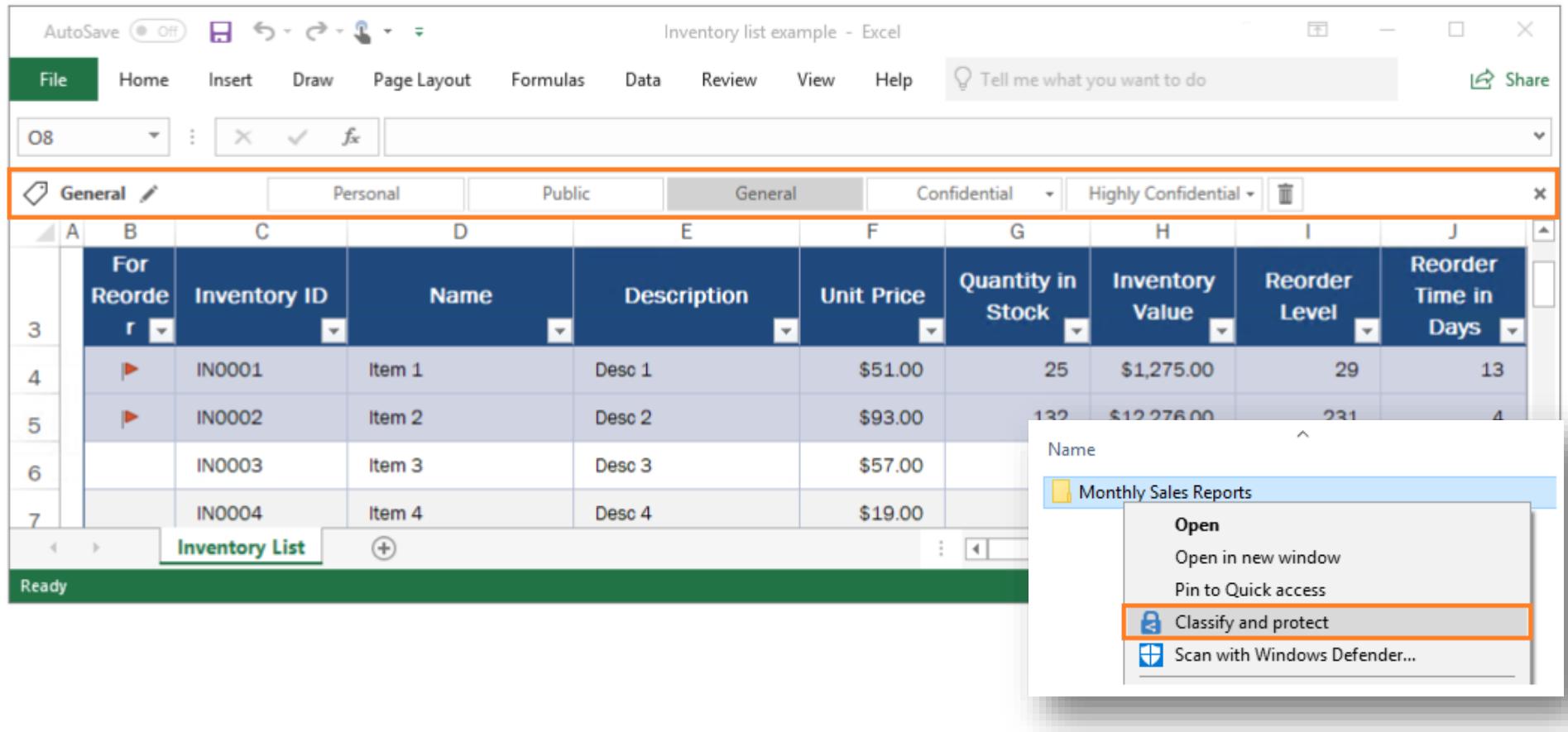
For Reorde	Inventory ID	Name	Description	Unit Price	Quantity in Stock	Inventory Value	Reorder Level	Reorder Time in Days
IN0001	Item 1	Desc 1	\$51.00	25	\$1,275.00	29	13	
IN0002	Item 2	Desc 2	\$93.00	132	\$12,276.00	231	4	
IN0003	Item 3	Desc 3	\$57.00					
IN0004	Item 4	Desc 4	\$19.00					

Inventory List

Ready

Classify and protect

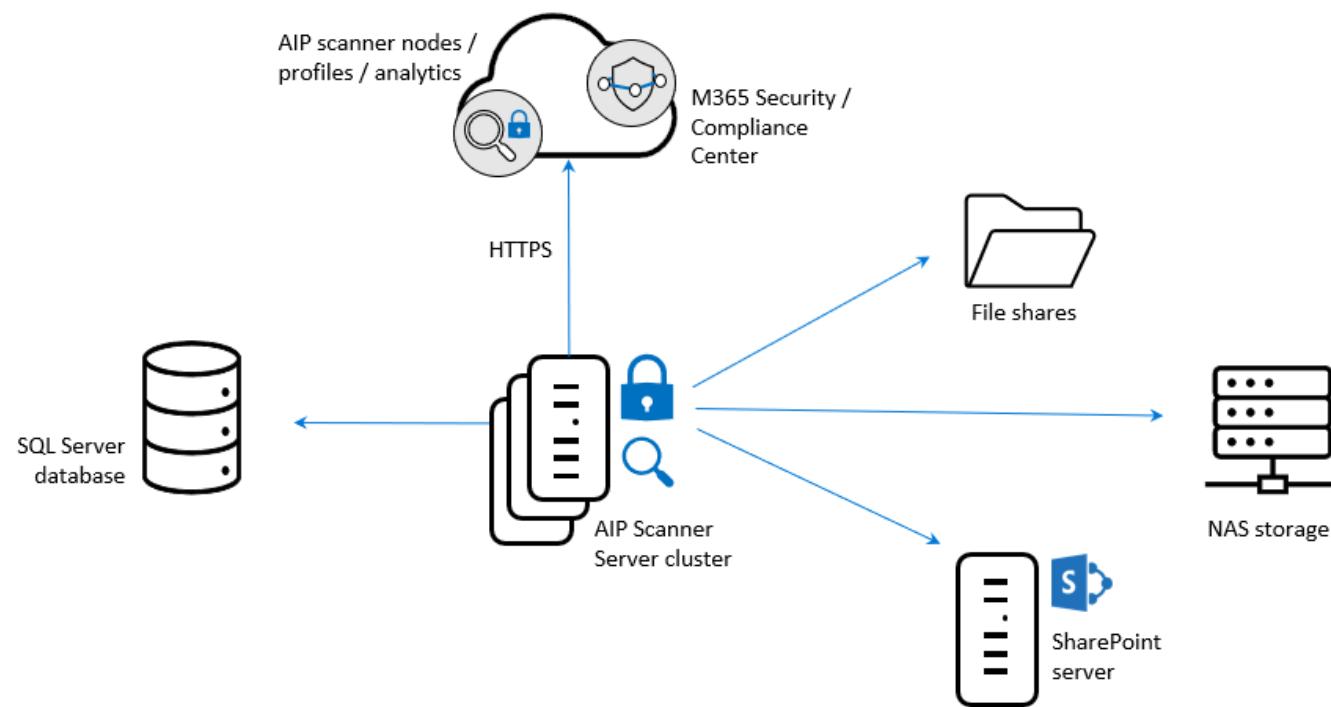
Scan with Windows Defender...



Azure Information Protection

IGTI

- Azure Information Protection Unified Labeling Scanner
(Scanner para Classificação de Informações)



Quiz Premiado

- Vale-presente (gift card) da **Americanas.com**, no valor de **R\$25,00**, para o **primeiro colocado**.
- Acesse o site **www.kahoot.it** ou o app **Kahoot!**
- **Digite o Game PIN: ??????**

The Kahoot! logo, consisting of the word 'Kahoot!' in a large, bold, purple, sans-serif font. The exclamation mark is slightly smaller than the other letters.