IT/Dev CONNECTIONS

Identity Automation

Stephane Eyskens
Azure MVP
@stephaneeyskens

Delivered by KNect365 TMT
an Informa business

Objectives

Glimpse of Azure Active Directory
Modern Authentication

Identity Automation with Azure
DevOps

Challenges associated to identity

IAM team wants to control everything (for good reasons)

Development teams do not want to be slowed down

Complexity

Modern Authentication in a nutshell

Relies on OpenID & OAuth

Used with mobile devices, modern web apps

Used to protect APIs

V1 & V2 endpoints

V1 vs V2 endpoints

V1	V2
• Single API may be shared across multiple clients • All OAuth2 flows are supported • Permissions are defined statically • Registration fully supported with PowerShell	• Permissions are requested on the fly • Registration in a dedicated portal • Only supports OpenID • Only exposed through the BETA API of Microsoft Graph

Azure Identity components

MSI

Which scenarios to automate?

Mobile Apps connecting to Microsoft APIs (Authorization Code)

Mobile Apps connecting to custom APIs (Authorization Code+Resource App)

Browsers connecting to APIs (implicit grant flow)

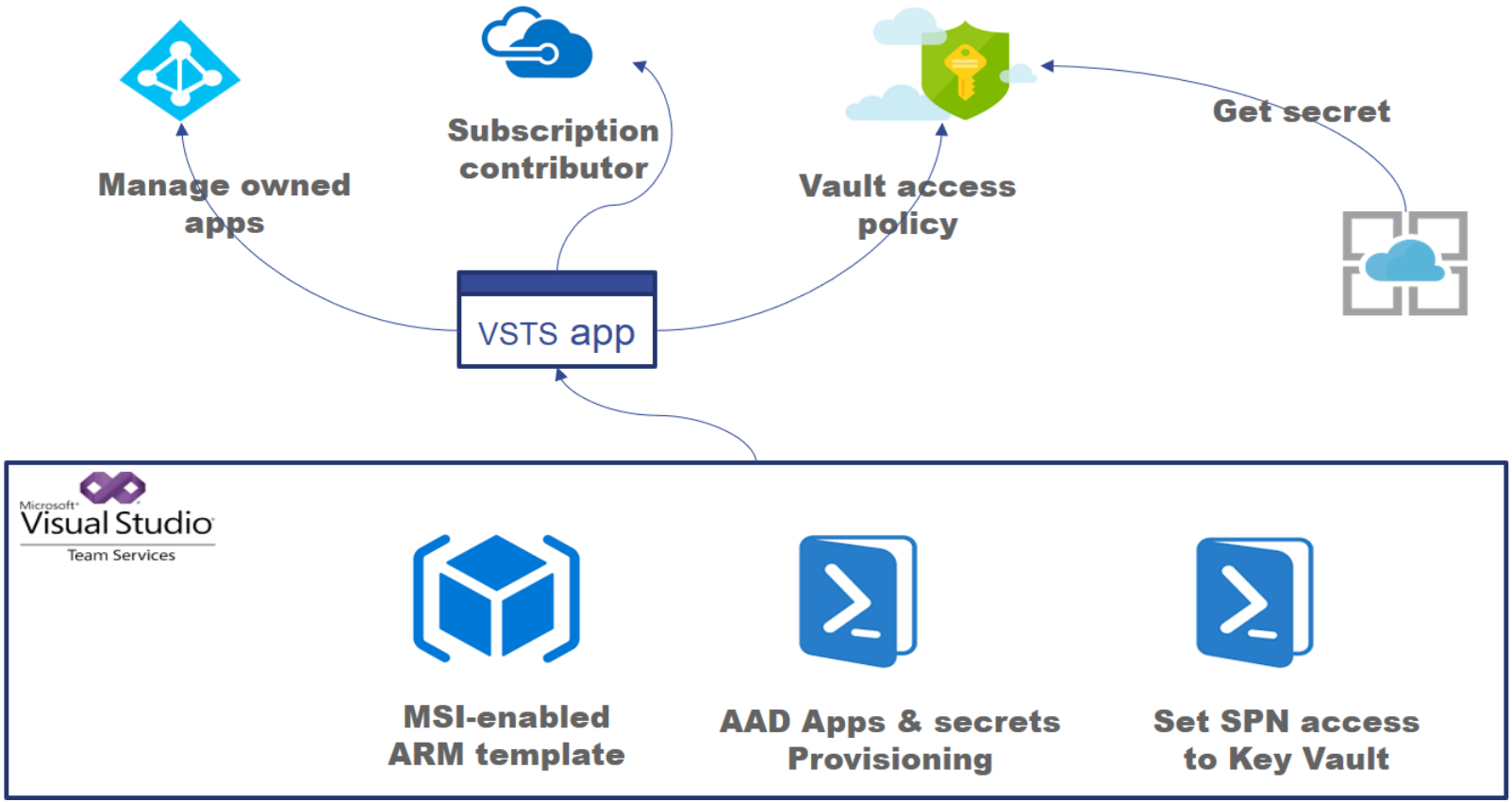
Web Apps connecting to APIs (OpenID+UserAssertion)

Service to service (Client Credentials)

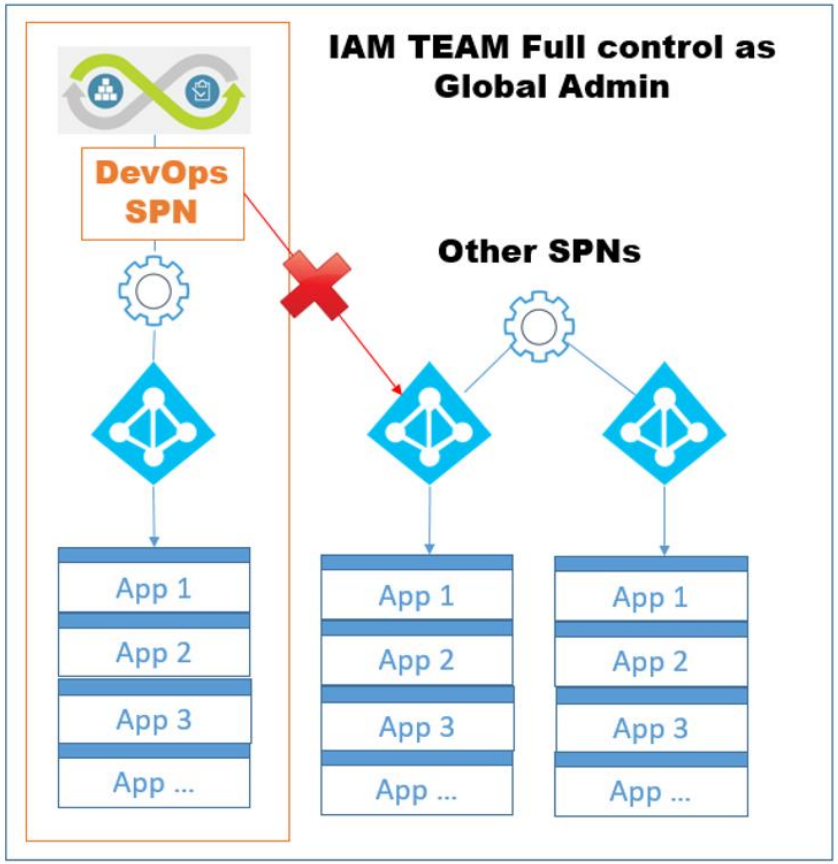
Application Roles

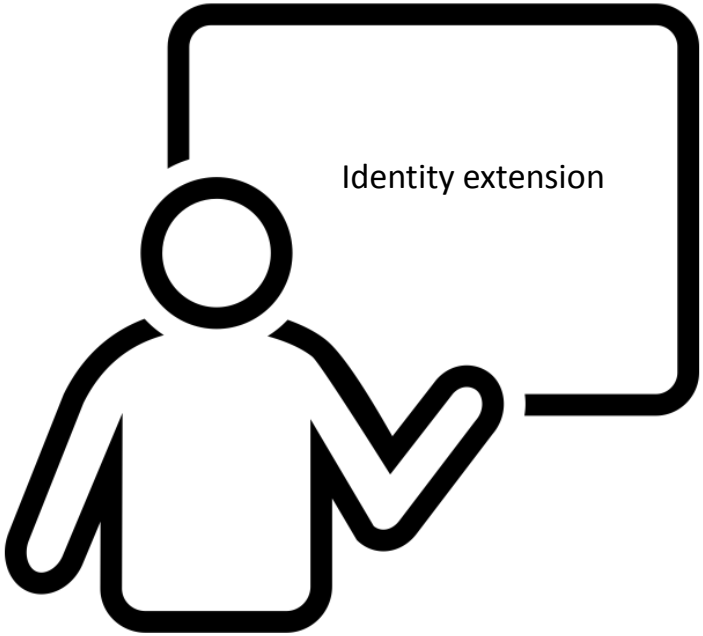
MSI

High-level architecture



Segregation





Created by priyanka
from Noun Project

IT/Dev CONNECTIONS

Q&A

Delivered by KNect365 TMT an Informa business