

Infrastructure as Code

DevOps, Azure DevOps vs Azure Automation



Stephane Eyskens

Azure MVP

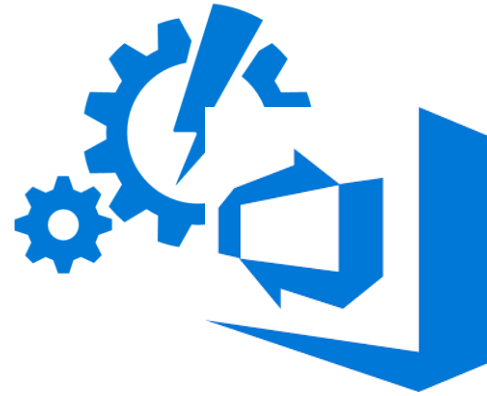
@stephaneeyskens

Objectives

Understand Azure DevOps, typically used by Dev teams

Understand Azure Automation, typically used by Infra teams

Understand how to combine both tools

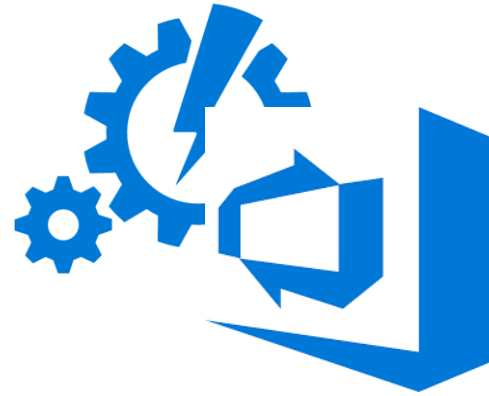


Why DevOps?

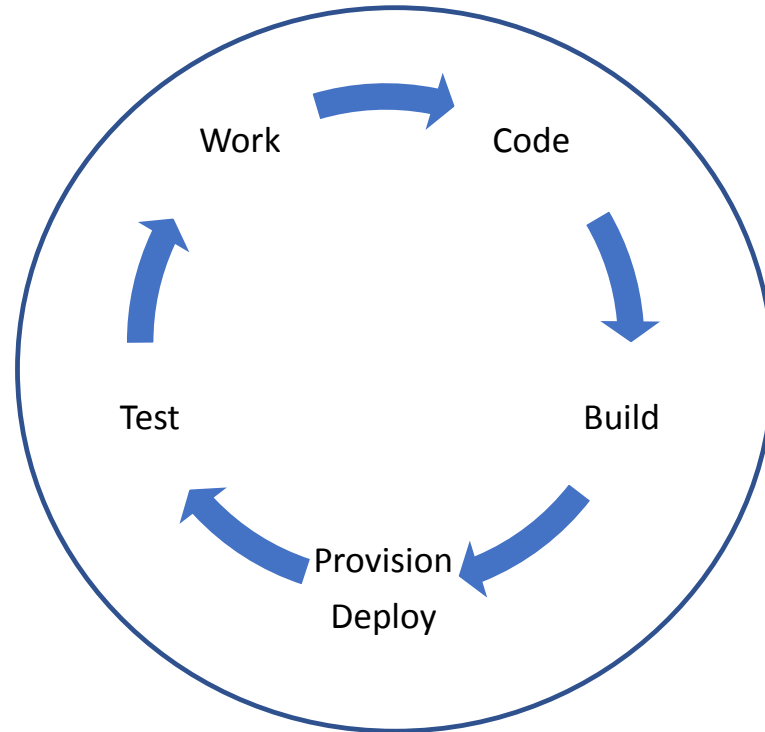
Better TTM and cost efficiency

Predictable output

Increased Security



Azure DevOps in a nutshell



Azure DevOps in practice, let's build an App

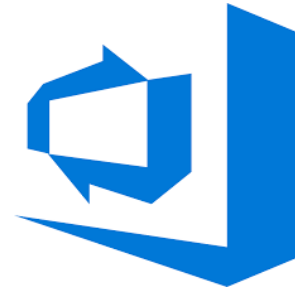
Infrastructure as Code

Deploy code

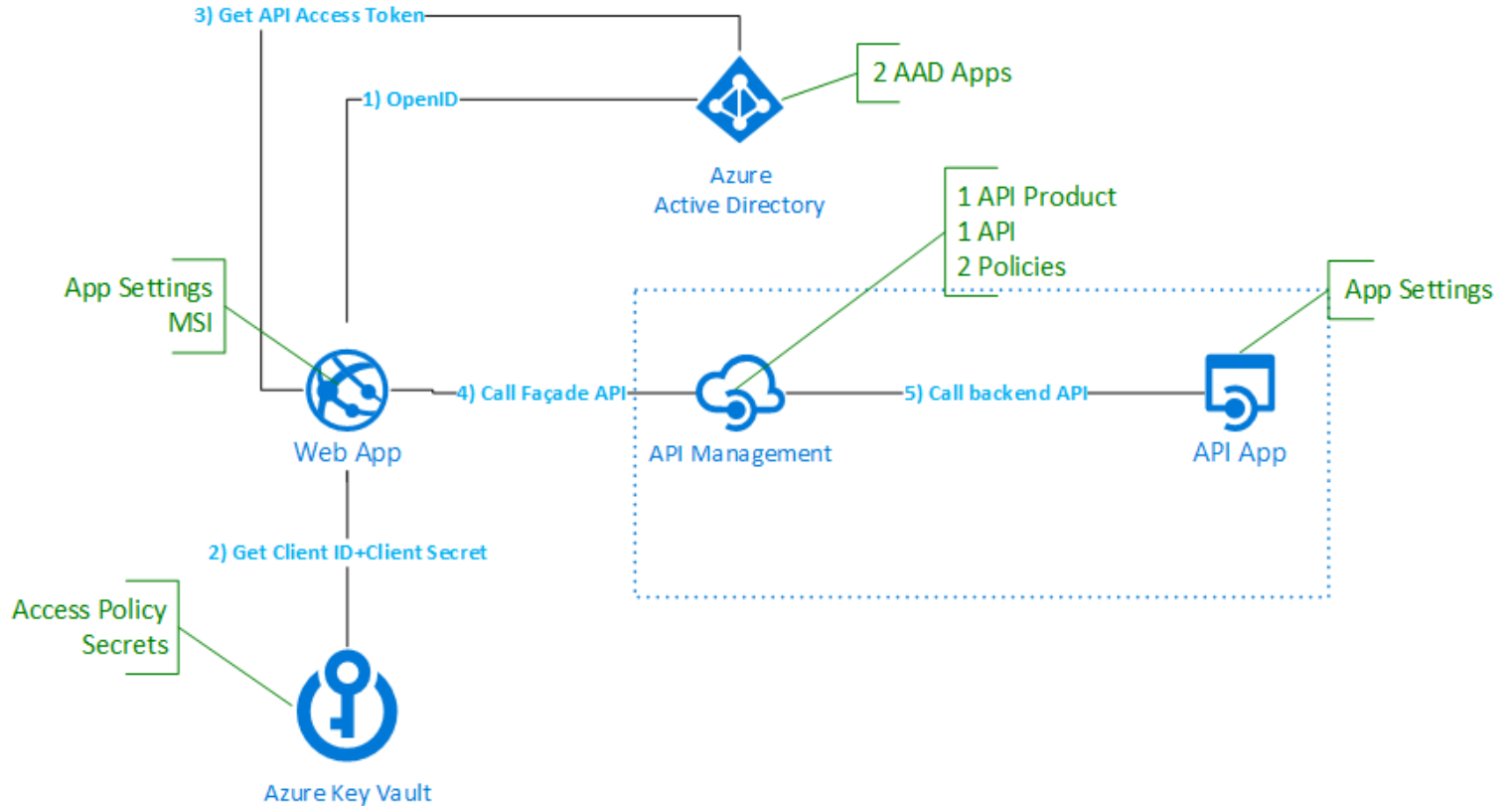
Secure architecture

Notify Operations

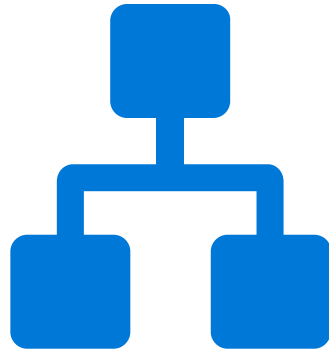
All of this is called **DevSecOps**

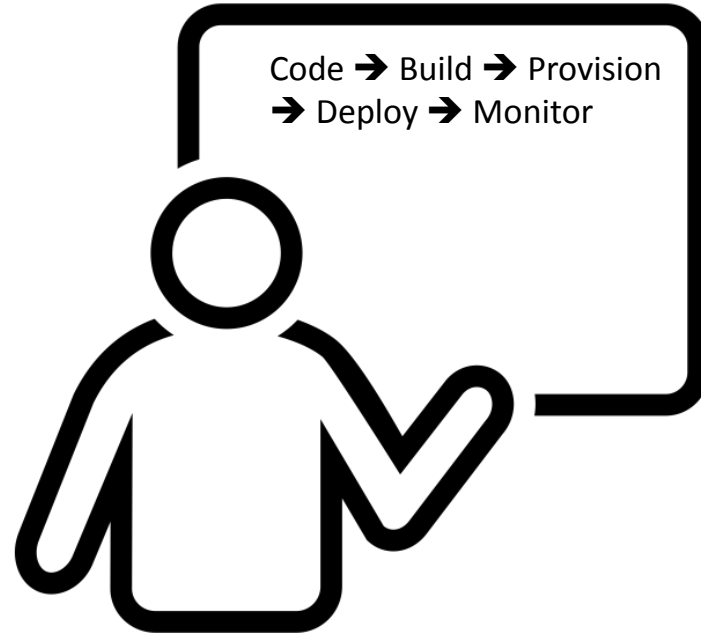


Our App and its infrastructure



Don't forget to notify Infra & Ops





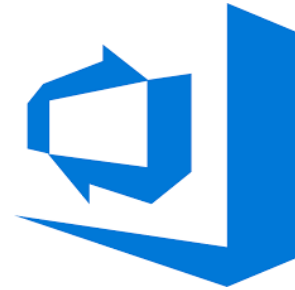
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What to remember from the previous demo?

Provision every dedicated infra component automatically

Let it deploy code EVERYWHERE

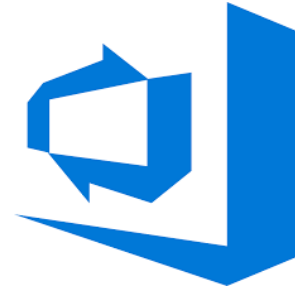
PaaS is 100% automation & Azure DevOps friendly



What not to do with Azure DevOps?

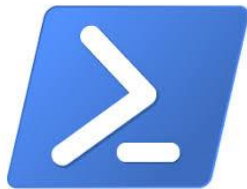
Provision shared infrastructures

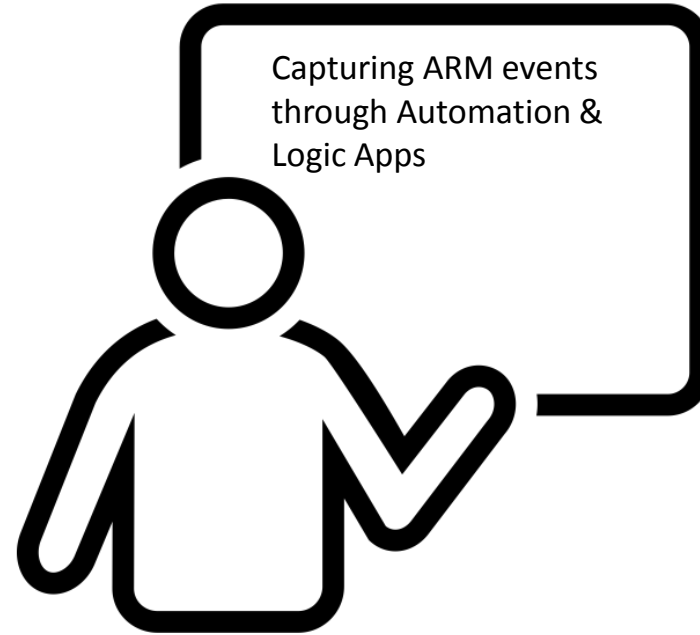
Go beyond the scope of a release



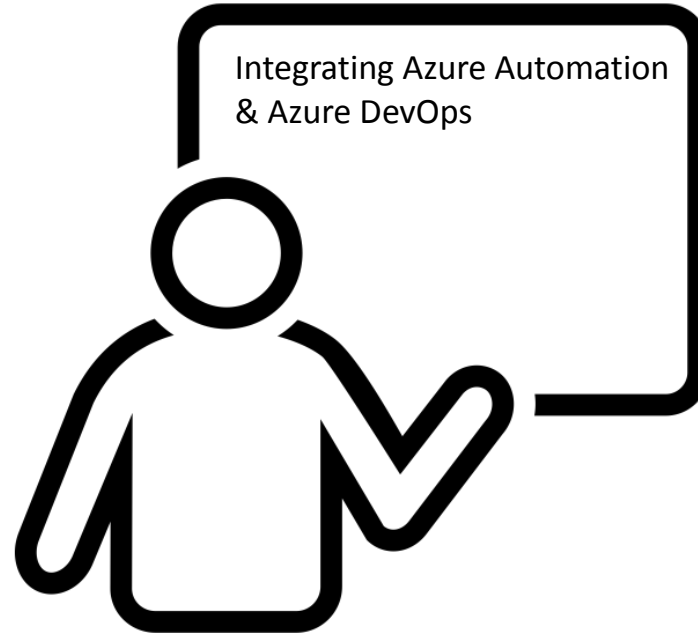
Azure Automation in a nutshell

DSC





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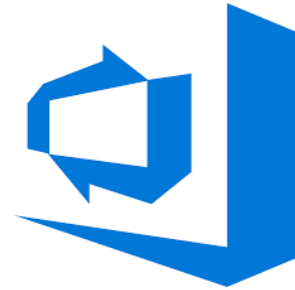
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Azure DevOps vs Azure Automation recap

Automation runbooks may be called from anywhere, including Azure DevOps

Azure DevOps is tightly coupled to business projects while Azure Automation is more a generic tool

Azure Automation is suitable for monitoring & is IaaS friendly



QnA