Cloud Deployments:
Azure Cloud Deployments Made Easy

Presented by
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Introduction Survey

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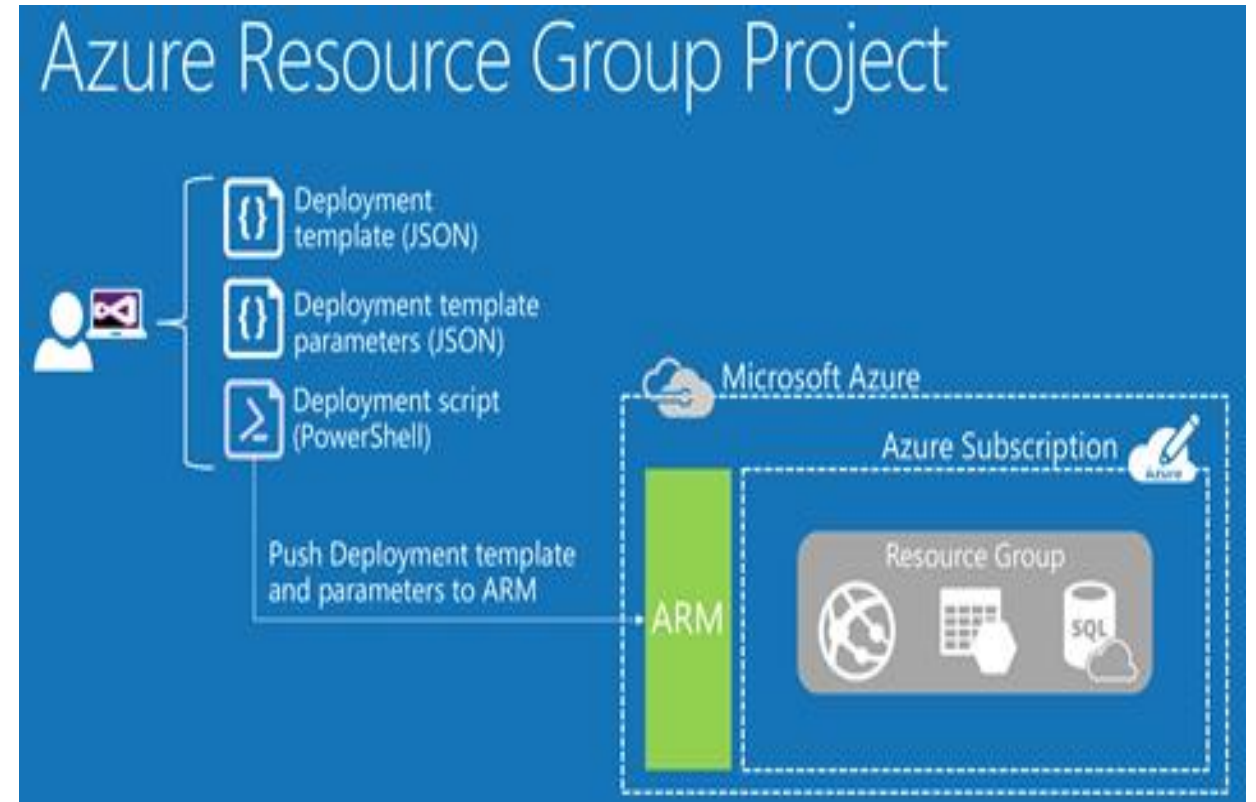
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Agenda

- ARM Intro Demo (Deploy An Entire Project And Setup Continuous Delivery In Less Than 10 Minutes)

- What Are Azure Resource Manager (ARM) Templates?

- Why Use ARM Templates?

- Platform & Tools

- ARM Template Components and Demo

- Planning Lifecycle For ARM Templates

- Resources For Building Templates

- Deployment Options

- Survey

- QA

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DEMO

What is a Azure Resource Manager (ARM) Template?

- First Announced At Build 2014

- Idempotent

- Declarative

- JSON Template Language

- Multiple Deployment Methods

- Works On Azure / Azure Stack

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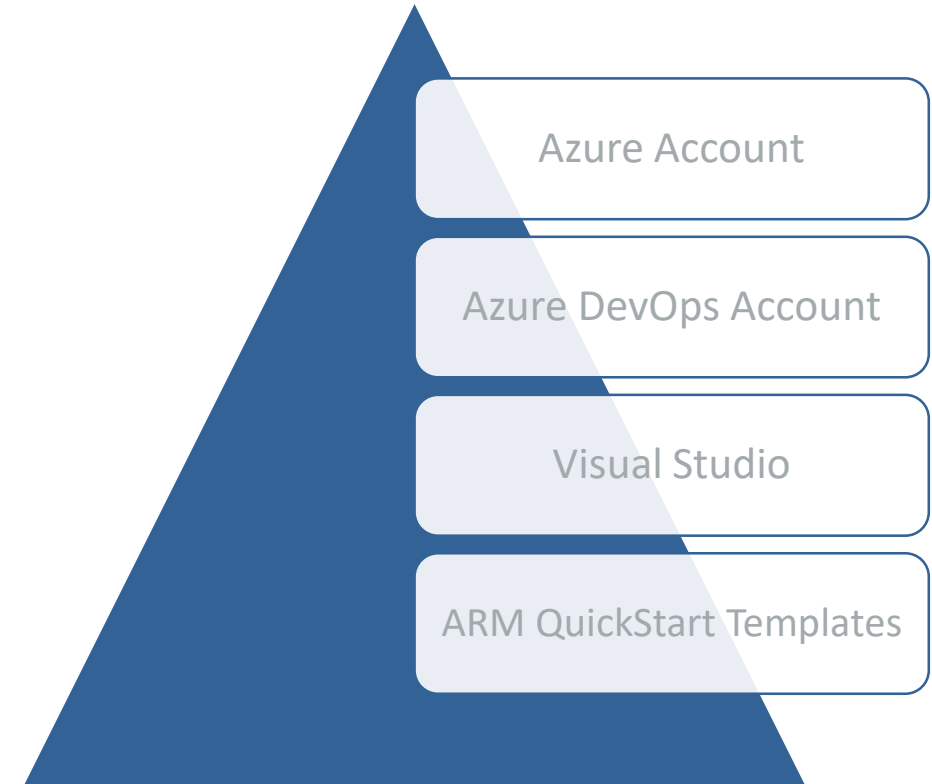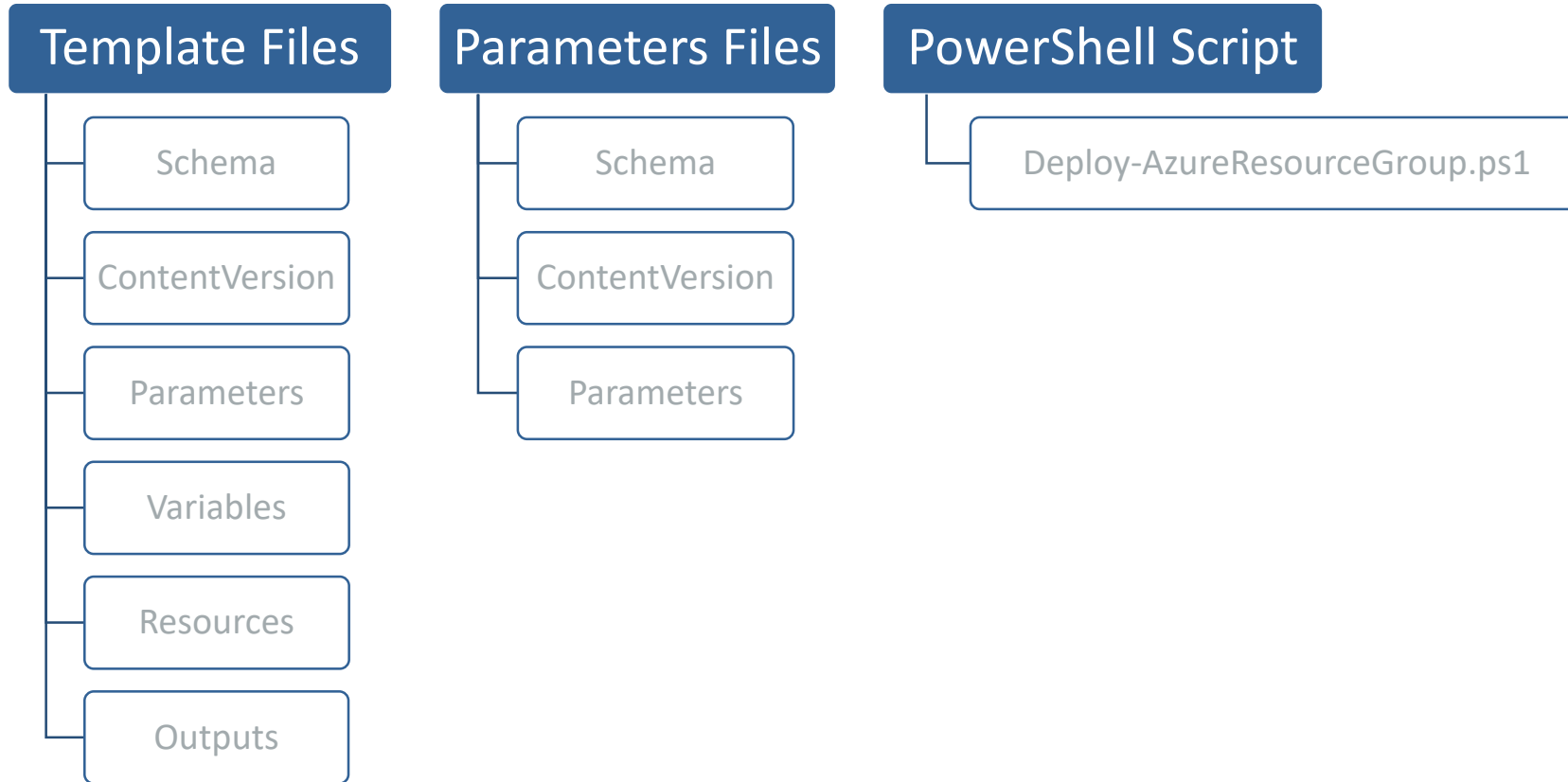insightful solutions :: innovative technologies

Why ARM Templates?

Speed

Usability

Cost

Management

Security

Platforms & Tools – Something Free For Everyone!

SDK For .NET

SDK For Java

Node.js

PHP

Python

Ruby

REST API

Azure Account

Azure DevOps Account

Visual Studio

ARM QuickStart Templates

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ARM Templates Components

Template Files
- Schema
- ContentVersion
- Parameters
- Variables
- Resources
- Outputs

Parameters Files
- Schema
- ContentVersion
- Parameters

PowerShell Script
- Deploy-AzureResourceGroup.ps1

DEMO

ARM Template Lifecycle

Define Resources You Plan To Deploy

Define Where The Resources Will Reside And How They Will Be Grouped

Define Resource Configurations

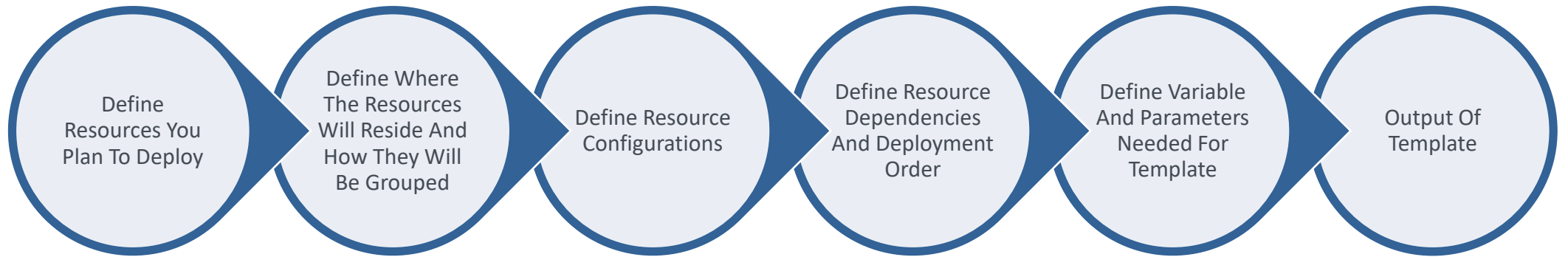Define Resource Dependencies And Deployment Order

Define Variable And Parameters Needed For Template

Output Of Template

Deployment Options

GitHub (Click To Deploy)

Visual Studio

Azure PowerShell

Azure CLI

Azure Rest API

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Resources For Building Templates

- GitHub
  - Azure Open Source QuickStart Templates On GitHub (https://github.com/Azure/azure-quickstart-templates)

- Visual Studio
  - Premade Components In JSON Outline Using Resource Group Project

- Azure Portal
  - Automation Options From "Create A Resource" In Azure Portal
  - View Template From Deploy History
  - Export / Save Resource Group Level Via Automation Script
    - Download Template
    - Add To Template Library In Automation Script Section (Preview)

- Web Based
  - Azure Resource Explorer (https://resources.azure.com)
  - ARM Visualizer (http://armviz.io)

Conclusion Survey

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Q & A

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If you have questions or would like more information, feel free to contact me via email sean.davis@agilethought.com