

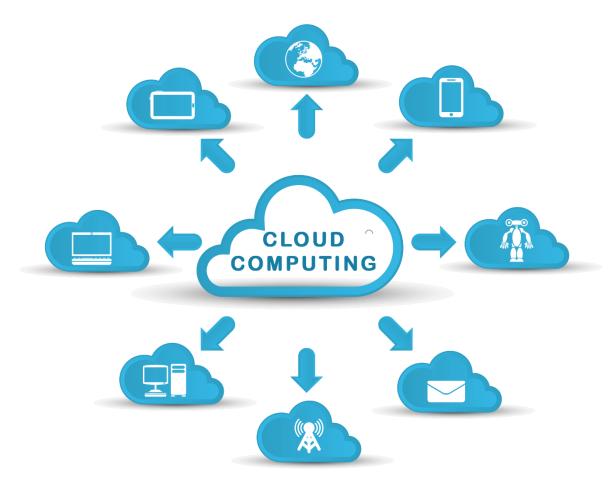
Expected Learning Outcomes

Azure Crash Course: Introduction to ARM Templates



By the end of this section, you should be able to:

- Understand basic cloud computing concepts
- Describe the Azure Resource Manager
- Outline the basic structure of an ARM template



"Cloud computing is a kind of Internet-based computing that provides shared processing resources and data to computers and other devices on demand."

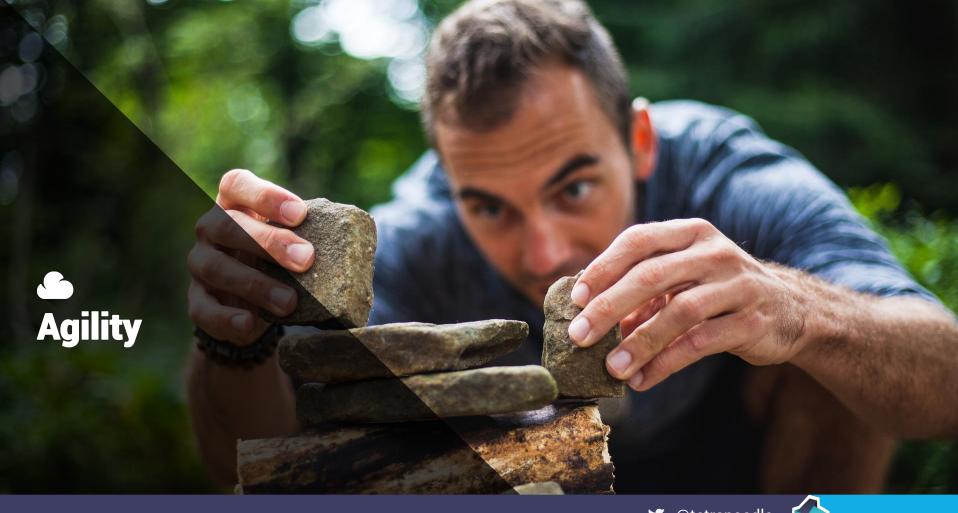
- Wikipedia







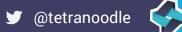
















→ Infrastructure as a Service (laaS), Providing Infrastructure hosting

→ Platform as a Service (PaaS), Providing framework services to IT directors

→ Software as a Service (SaaS), Providing software application service to end-users



What is ARM?

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Azure Resource Manager





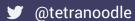










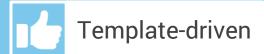




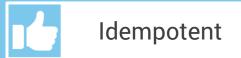
Benefits of using Azure Resource Manager

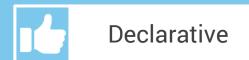
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Some of the key benefits of using the Azure Resource Manager are:

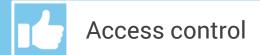








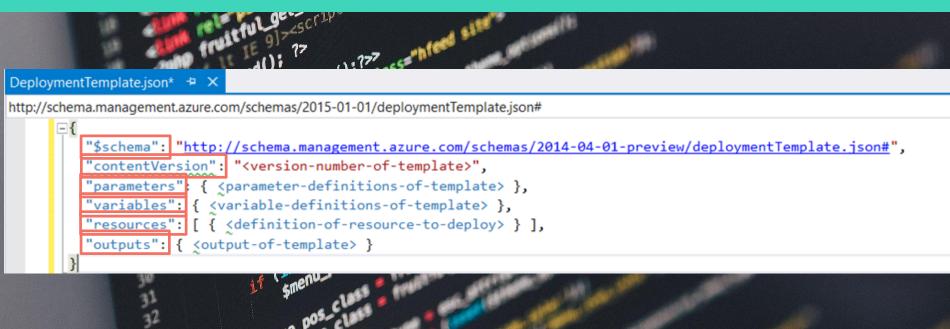




Basic Structure of an ARM Template

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Here is the basic structure of an ARM template:



Sample ARM Template

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If you take an empty resource template, it looks like this:

```
DeploymentTemplate.json*
http://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#
          "$schema": "http://schema.management.azure.com/schemas/2014-04-01-preview/deploymentTemplate.json#";
          contentVersion": "<version-number-of-template>",
          "parameters": { <parameter-definitions-of-template> },
          "variables": { <variable-definitions-of-template> },
          "resources": [ { <definition-of-resource-to-deploy> } ],
          "outputs": { <output-of-template> }
```





Tools for ARM Templates

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