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Azure Blueprints

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Customers Served

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Employees

23%
CAGR since inception

Top 10
NA P/C IT Svs Provider
by # of customers

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- Cloud App Development
- Mobile App Development

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- API Development
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- Cloud Platform Adoption
- Cloud Migration
- DevOps & CloudOps

ITSM

- IT Service Management
- IT Asset Management
- IT Operations Management

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Session Agenda

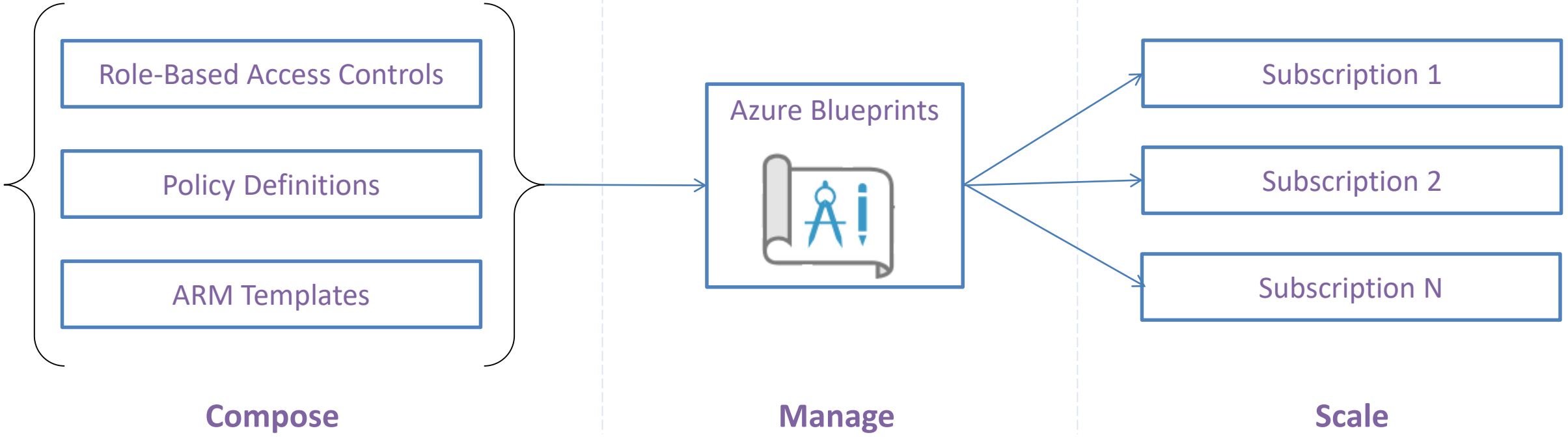
- What is Azure Blueprints? ←
- Azure Blueprints - Overview ←
- Blueprint Artifacts ←
- Use cases ←
- Demo ←

What is Azure Blueprints?

- Essentially no different from traditional architectural blueprints.
- They are actually used in much the same way.
- Traditional blueprints are used to construct buildings to certain standards and specifications
- In the same way, Azure Blueprints are used to design and architect Azure solutions to specific standards and specifications.
- At a high-level Azure Blueprints help to meet organizational cloud standards and compliance.

Azure Blueprints - Overview

Deploy and update cloud environments in a repeatable manner using composable Artifacts

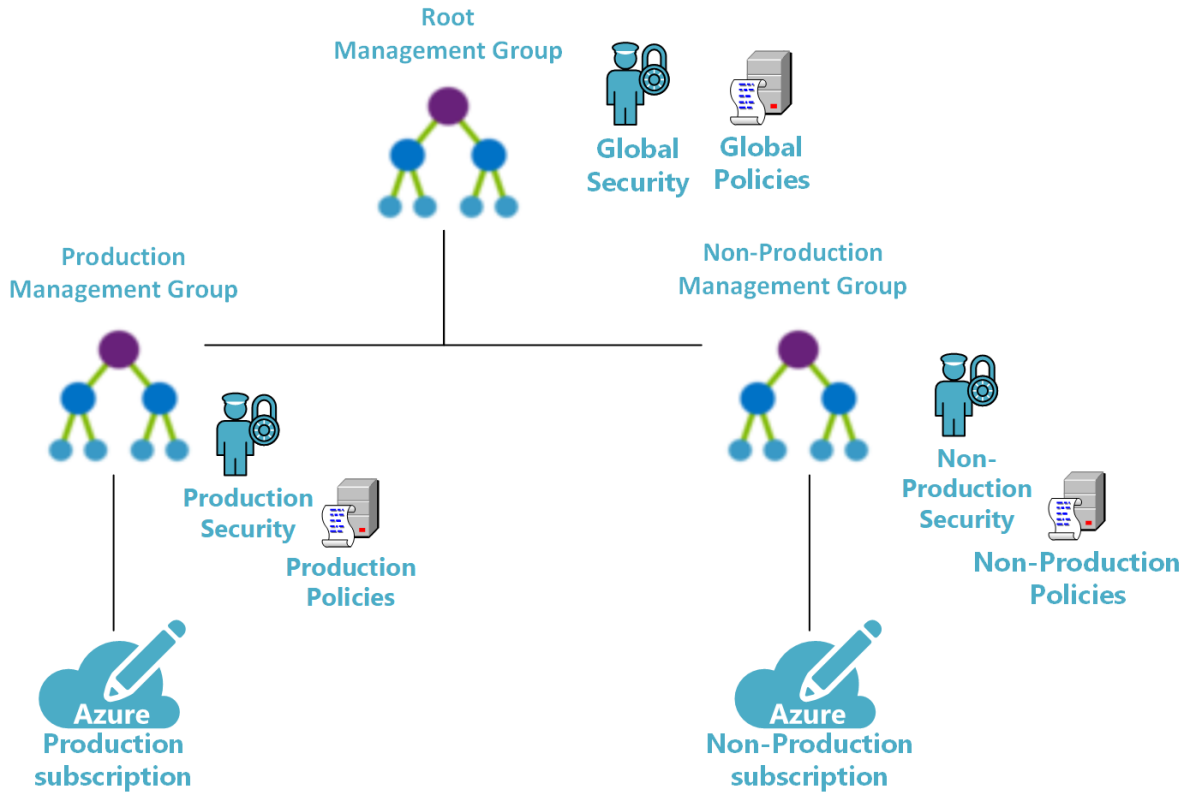


- Blueprints enables you to package ARM Templates, Policies and RBAC Assignments.
- Azure Blueprints is not a replacement of Polices or ARM Templates. It is a Superset of them

Azure Management Groups

- Provides a level of scope above the subscriptions.
- A Management Group tree can have up to SIX levels of depth.
- This limit doesn't include the Root level or the subscription level.
- Each management group and subscription can only support one parent.
- Each management group can have many children.

Management Group Hierarchy

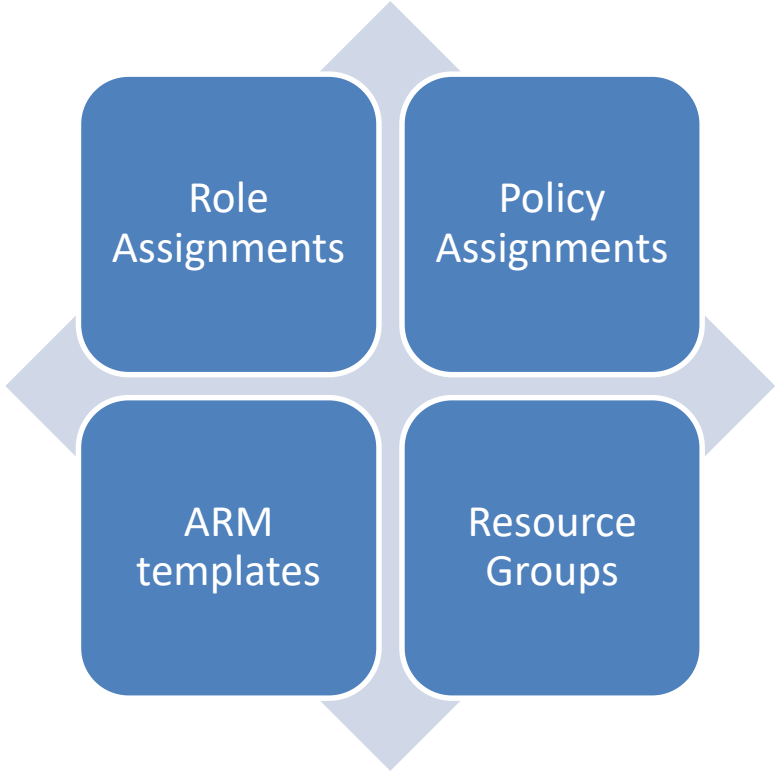


Azure Blueprints Vs ARM

- Why do I need Blueprints over ARM Templates?
- We Love ARM – Templates are Fundamental Building Block of Azure
- Scaling up ARM is a challenge
  - How do you use ARM Templates across multiple app teams?
  - How do you keep your templates modular for a maximum reuse?
  - How do you make sure those environments stay up to date over time?

Azure Blueprints - Artifacts

- Role Assignments
  - Lets you add a user, app, or group and set the role.
  - Only built-in roles are currently supported.
- Policy Assignments
  - Lets you add an Azure Policy.
  - This can be a built-in or custom policy.
- ARM Templates
  - Lets you add an ARM Template.
  - This does not let you import a parameters file.
  - Set the parameters during Blueprint assignment
- Resource Groups
  - Lets you add a Resource Group to be created as a part of this Blueprint.



Azure Blueprints – Lifecycle

- The lifecycle of an Azure Blueprint begins with the creation of the blueprint
- And then the publishing of the blueprint.
  - New versions of the blueprint are then created and published as needed.
- Specific versions of the blueprint can be deleted as needed
- The lifecycle of an Azure Blueprint ends with deletion of the blueprint itself.

Azure Blueprints – Few more points

- Types of parameters
  - Static parameters
  - Dynamic parameters
- Execution Sequence
  - Subscription First followed by Resource Group
  - Default Sequencing order
    - Role assignment
    - Policy assignment
    - Azure Resource Manager template
  - Custom Sequence order can be set using “Depends On” Property
- Resource Locking :
  - Don’t Lock
  - Read-Only
  - Do not Delete

Azure Blueprints – Few use cases

- Setup a standard foundation across subscriptions
- Managing Continuous compliance
- Continuous Auditing, Reporting and Remediation
- Applying Region Restriction – Data Residency / Sovereignty
- Resource type Restriction – Allowing/ Denying Specific Resources
- SKU Restrictions – Cost control
- Resource Locking – Avoid accidental deletions
- User management of various subscriptions

Demo

Let’s see in action

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Thank you!

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