

ARM templates

Sectons

- scriptContent — Deployment scripts can be used to run custom PowerShell scripts within the template
- \$schema — Types
 - Resource group deployments
 - Subscription deploymnts
- contentVersion - Required
- resources - Required
- parameters - Optional
 - Can have a default value
 - Can be objects
 - Can be a separate file
 - Template references can be used to provide a list of allowed values
- variables - Optional
- functions - Optional
 - Can use to construct dynamic values
 - Custom functions
 - Cannot access template variables or parameters
 - No default parameter values
 - Cannot call other custom functions
 - cannot use reference()
 - dependsOn
 - resources that needs to be deployed before the dependant
 - parent-child relationship will not guarantee that parent will be deployed first
 - copy — Can be used to create multiple instance of the same resource
- outputs - Optional
- conditions — Allows conditional deployments and parameters

Transform

- transform and collector template
- calling template — Invokes collector template
- collector template — invokes transform template

Preview

what-if

Deploying

- Local
- Multiple templates can be linked

KeyVault

Key vault secrets can be used by providing KeyVault id and secret name

BACPac files can be automatically imported with ARM templates

Error

- Validation
- Deployment