

# ARM Templates Deep Dive

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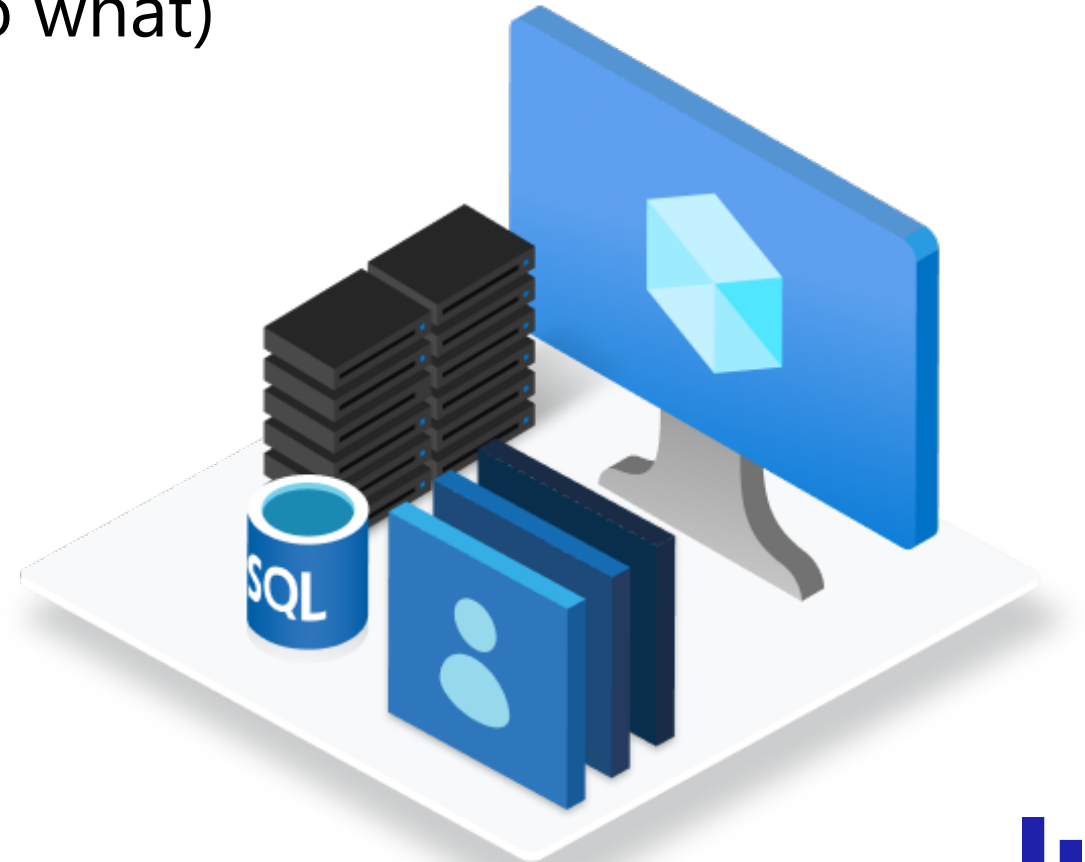
# What is the Azure Resource Manager?

The deployment and management service for Azure

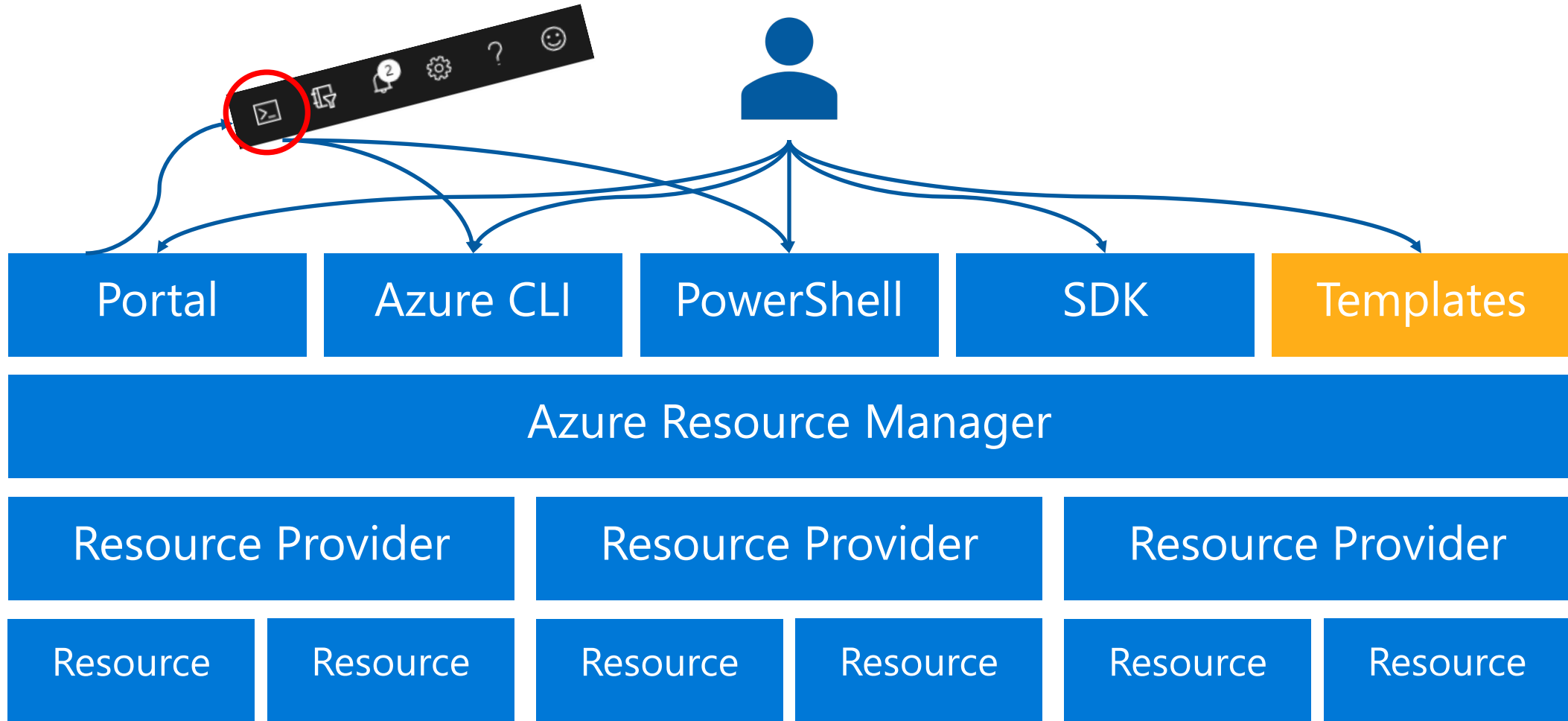
Enables you to create, update, and delete resources

Role based access control (Who can do what)

Policy (What you can do)



# The Azure Resource Manager

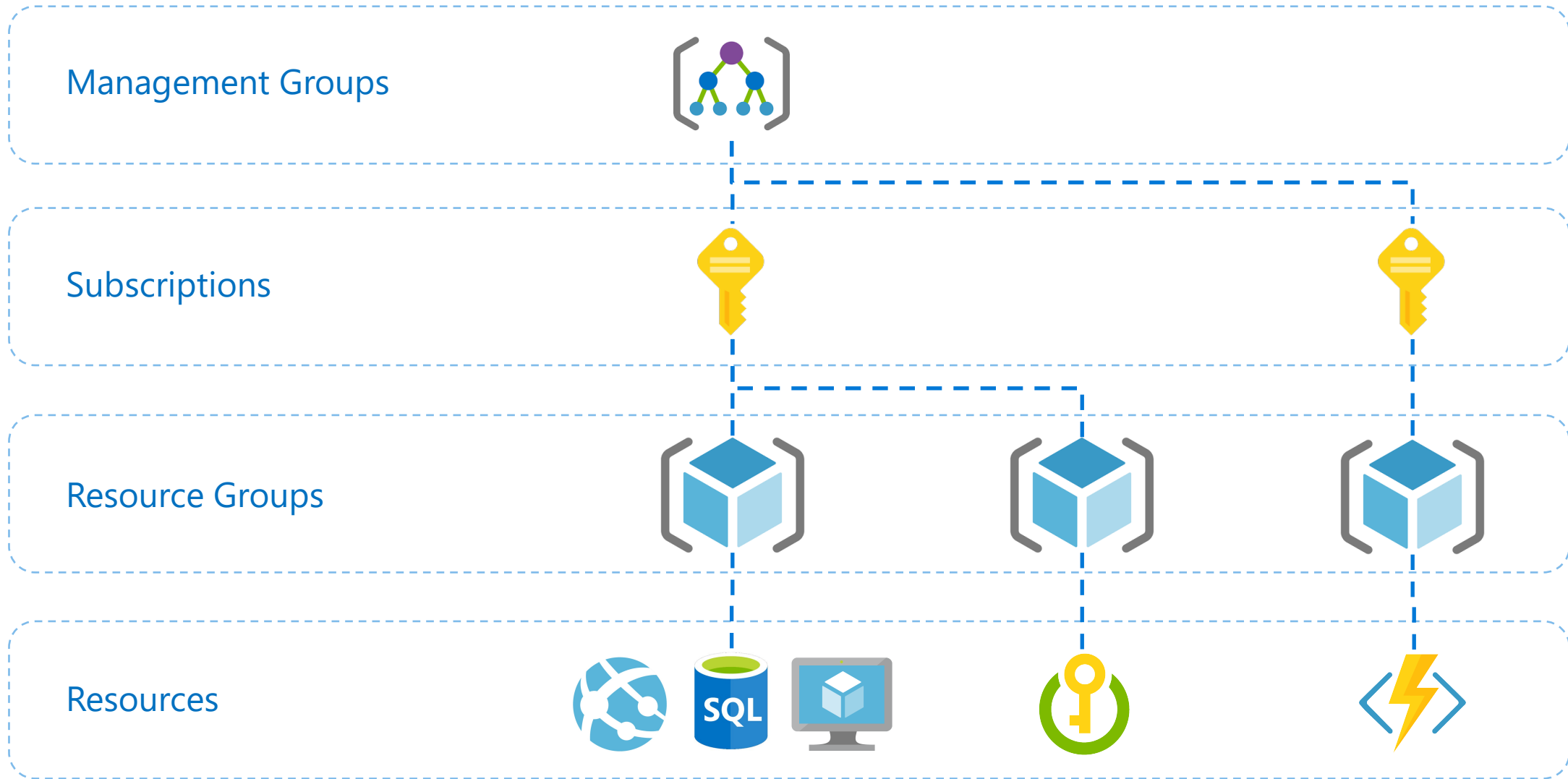


# What are ARM Templates?

- Declarative code for describing Azure resources
- Central management
- Idempotent
- Version control

```
1 {
2   "$schema": "https://schema.management.azure.com/schemas/2015-01-01/deploymentT
3   "contentVersion": "1.0.0.0",
4   > "parameters": {...
45  },
46  "variables": {
47    "webSiteName": "[concat('webSite', uniqueString(resourceGroup().id))]"
48  },
49  "resources": [
50    {
51      "type": "Microsoft.Web/serverfarms", // dependency for a web site
52      "apiVersion": "2015-08-01",
53      "name": "[parameters('hostingPlanName')]",
54      "location": "[resourceGroup().location]",
55      "tags": {
56        "environment": "Production" // change this if not prod
57      },
58      "sku": {
59        "name": "[parameters('skuName')]",
60        "capacity": "[parameters('skuCapacity')]"
61      },
62      "properties": {
63        "name": "[parameters('hostingPlanName')]"
64      }
65    },
66    {
```

# Resource Grouping



# Demo

# Thank you!

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<http://www.erwinstaal.nl>

<https://github.com/staal-it/arm-demo-templates>