

# Authoring Custom Azure Policy Definitions

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# Speaker Bio



**Background:** Infra, SysAdmin, PreSales, Consulting

**Pre 2018 Tech:** AD, Exchange, VMware, Citrix

**Post 2018 Tech:** Microsoft Azure, IaC, DevOps, Git



# Session Abstract

Quick refresher on Azure Policy



Authoring examples and gotchas



Authoring tips and tricks



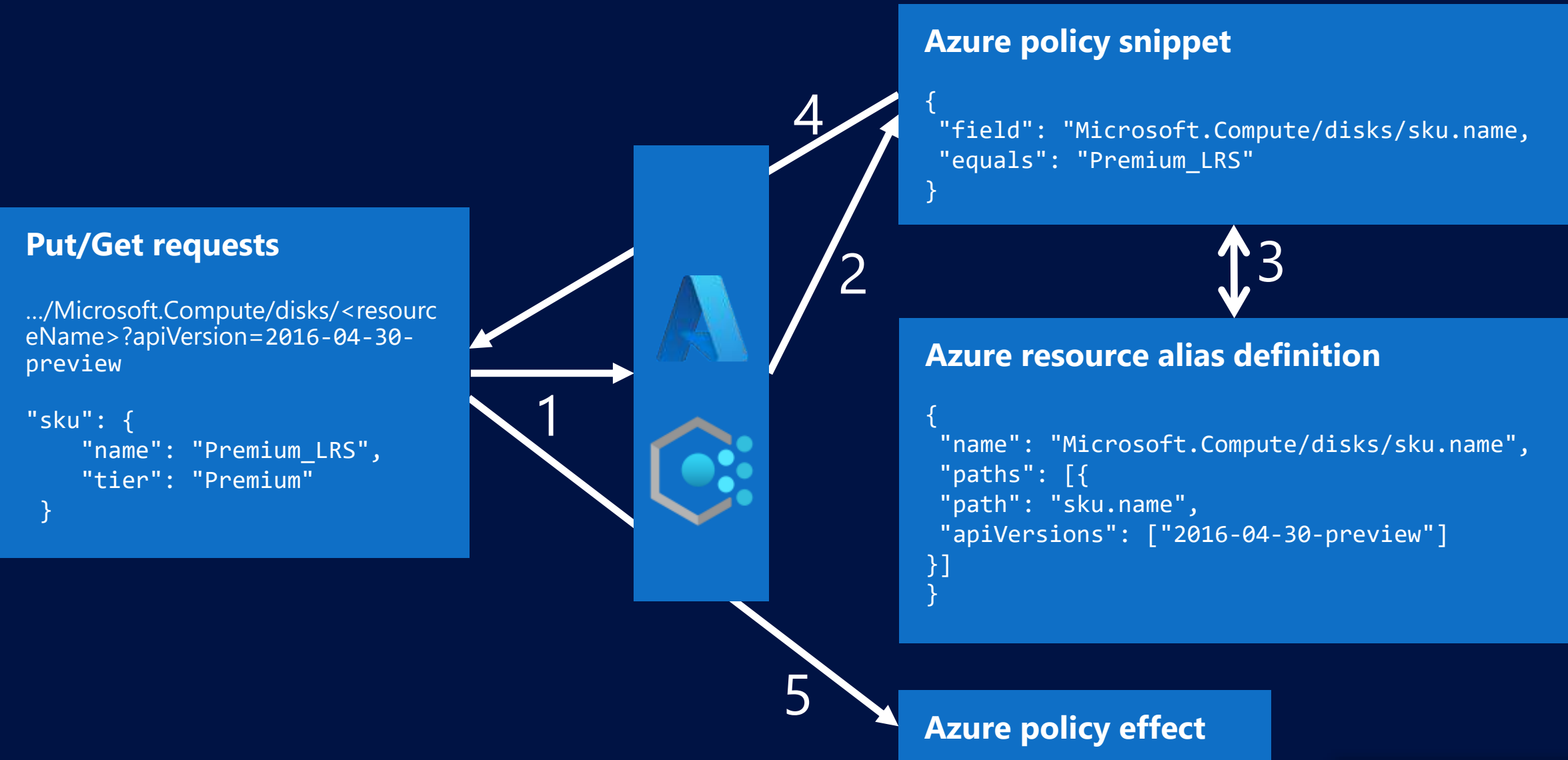
# AzPolicy - Ecosystem

<b>Official Docs</b>	<a href="https://aka.ms/azurepolicy">aka.ms/azurepolicy</a> bicep, arm templates, api references
<b>Official Code</b>	<a href="https://github.com/Azure/azure-policy">github/azure-policy</a> <a href="https://github.com/Azure/community-policy">github/community-policy</a>
<b>Official Tooling</b>	GitHub, Azure DevOps, Azure Policy extension (VS Code)
<b>Deployment</b>	Terraform, Azure CLI, ARM Templates, Bicep
<b>Community</b>	<a href="https://azadvertizer.net">azadvertizer.net</a> <a href="https://github.com/Azure/awesome-azure-policy">github/awesome-azure-policy</a>

- **902** GA policy definitions
- **71** categories
- **54403** aliases
- **110** namespaces
- **944** resource types
- **17690** network aliases



# AzPolicy – Resource Aliases



## Put/Get requests

```
.../Microsoft.Compute/disks/<resourceName>?apiVersion=2016-04-30-preview
```

```
"sku": {  
  "name": "Premium_LRS",  
  "tier": "Premium"  
}
```

## Azure policy snippet

```
{  
  "field": "Microsoft.Compute/disks/sku.name",  
  "equals": "Premium_LRS"  
}
```

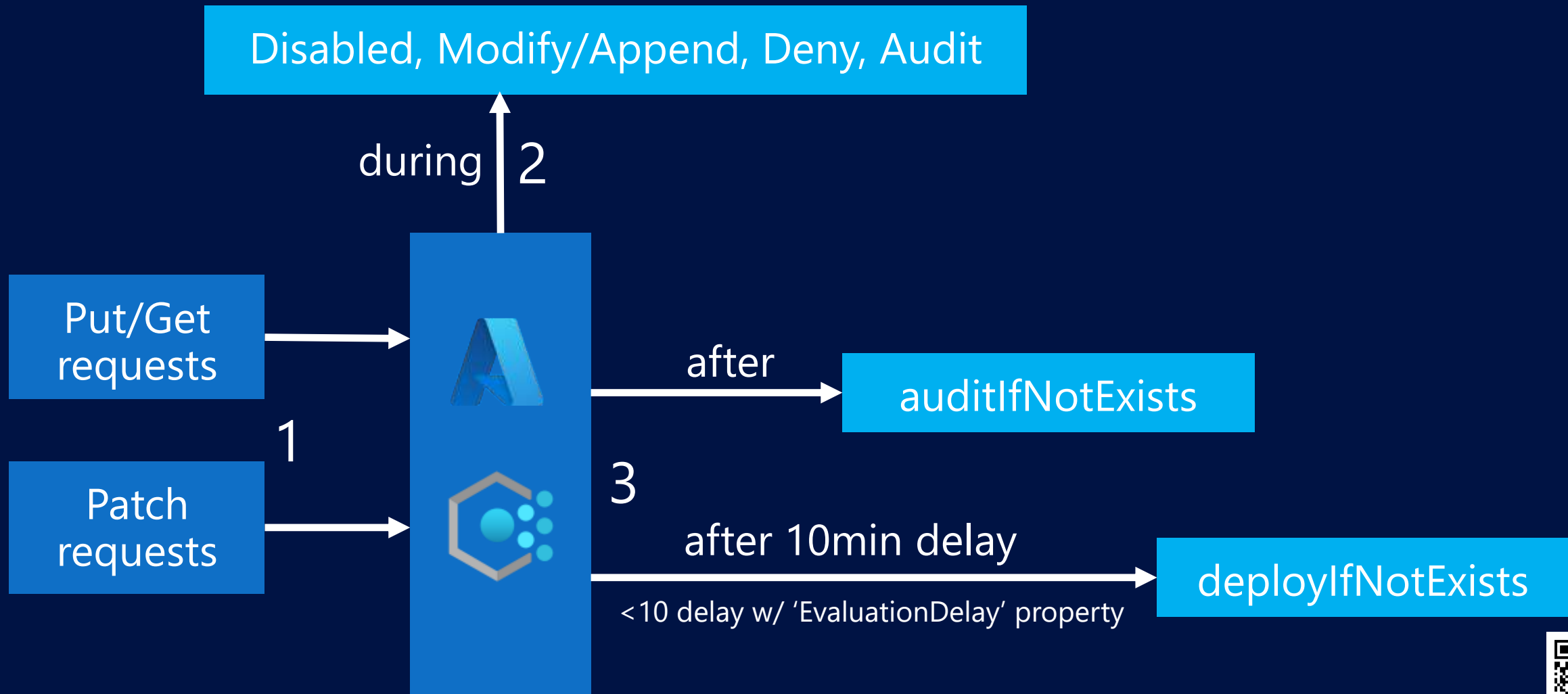
## Azure resource alias definition

```
{  
  "name": "Microsoft.Compute/disks/sku.name",  
  "paths": [{  
    "path": "sku.name",  
    "apiVersions": ["2016-04-30-preview"]  
  }]  
}
```

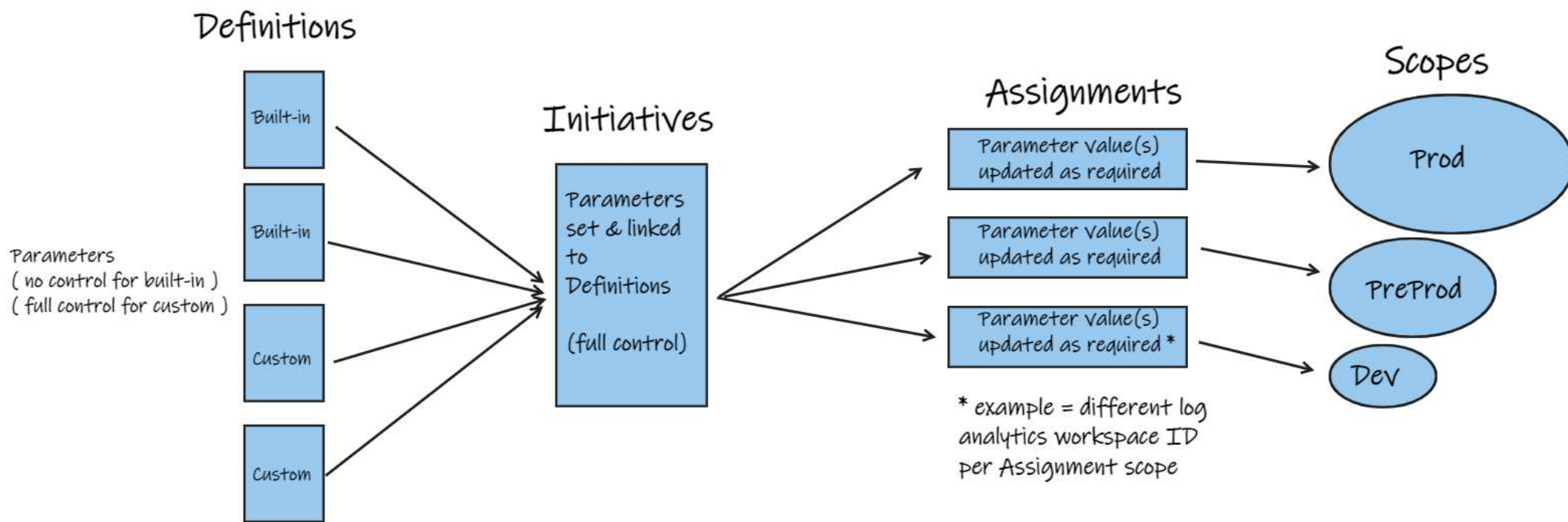
## Azure policy effect



# AzPolicy - Effects



# AzPolicy – Parameters



# 8 Step Authoring Process

1. Establish business case / requirements
2. Check for any existing built-in policies
3. Create a baseline custom policy definition
4. Test and validate compliance evaluation works
5. Test and validate remediation works (if modify/deployIfExists)
6. Parameterize for maximum reusability
7. Final validation
8. Ship to production





# Thanks For Watching!

Connect w/ Jesse

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