

Let Bicep do the heavy lifting

Haha.. Ha.. Ha..



kapuani

About 3.640.000.000 results (0,30 seconds)

Māori – detected ▼



English ▼

kapua



cloud

Jan Vanuytrecht - Toon Van Deuren

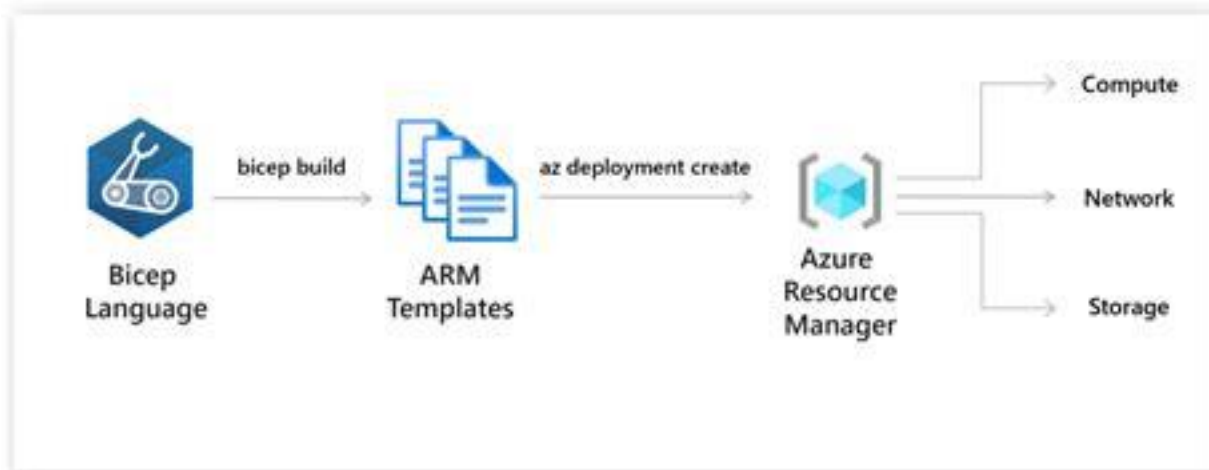
IAC?

Desired state configuration

What you describe is what you get

Caveat example: arrays, at some places..

Bicep > no statefile like in Terraform!!



- IaC > Bicep/Terraform
 - Desired State

ARM?



ARM?

```
    },
    "copy": [
      {
        "name": "dataDisks",
        "count": "[parameters('numberOfDisks')]",
        "input": {
          "diskSizeGB": "[parameters('sizeOfEachDataDiskInGB')]",
          "lun": "[copyIndex('dataDisks')]",
          "name": "[concat(variables('vmName'), '_DataDisk', copyIndex('dataDisks'))]",
          "createOption": "Empty",
          "managedDisk": {
            "storageAccountType": "[parameters('storageType')]"
          }
        }
      }
    ],
    "networkProfile": {
      "networkInterfaces": [
        {
          "id": "[resourceId('Microsoft.Network/networkInterfaces', variables('nicName'))]"
        }
      ]
    }
  },
  {
    "type": "Microsoft.Compute/virtualMachines/extensions",
    "name": "[concat(variables('vmName'), '/', variables('DscExtensionName'))]",
    "apiVersion": "2017-03-30",
    "location": "[parameters('location')]",
    "dependsOn": [
      "[variables('vmName')]"
    ],
    "properties": {
      "publisher": "Microsoft.Powershell",
      "type": "DSC",
      "typeHandlerVersion": "2.19",
      "autoUpgradeMinorVersion": true,
      "settings": {
        "ModulesUrl": "[variables('modulesUrl')]",
        "SasToken": "[parameters('_artifactsLocationSasToken')]",
        "ConfigurationFunction": "[variables('configurationFunction')]",
        "Properties": {
          "MachineName": "[variables('vmName')]"
        }
      }
    }
  }
],
"outputs": {
  "fqdn": {
    "type": "string",
    "value": "[reference(variables('publicIpAddressName')).dnsSettings.fqdn]"
  }
}
```

```
1 @description('The email address of the owner of the service')
2 @minLength(1)
3 param publisherEmail string
4
5 @description('The name of the owner of the service')
6 @minLength(1)
7 param publisherName string
8
9 @description('The pricing tier of this API Management service')
10 @allowed([
11     'Basic'
12     'Consumption'
13     'Developer'
14     'Standard'
15     'Premium'
16 ])
17 param sku string = 'Developer'
18
19 @description('The instance size of this API Management service.')
20 param skuCount int = 1
21
22 @description('Location for all resources.')
23 param location string = resourceGroup().location
24
25 resource apiManagement 'Microsoft.ApiManagement/service@2021-08-01' = {
26     name: 'apiservice${uniqueString(resourceGroup().id)}'
27     location: location
28     sku: {
29         name: sku
30         capacity: skuCount
31     }
32     properties: {
33         publisherEmail: publisherEmail
34         publisherName: publisherName
35     }
36     identity: {
37         type: 'SystemAssigned'
38     }
39 }
40
```

```
1 {
2     "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
3     "contentVersion": "1.0.0.0",
4     "metadata": {
5         "_generator": {
6             "name": "bicep",
7             "version": "0.34.44.8038",
8             "templateHash": "8070384426886005230"
9         }
10    },
11    "parameters": {
12        "publisherEmail": {
13            "type": "string",
14            "minLength": 1,
15            "metadata": {
16                "description": "The email address of the owner of the service"
17            }
18        },
19        "publisherName": {
20            "type": "string",
21            "minLength": 1,
22            "metadata": {
23                "description": "The name of the owner of the service"
24            }
25        },
26        "sku": {
27            "type": "string",
28            "defaultValue": "Developer",
29            "allowedValues": [
30                "Basic",
31                "Consumption",
32                "Developer",
33                "Standard",
34                "Premium"
35            ],
36            "metadata": {
37                "description": "The pricing tier of this API Management service"
38            }
39        },
40        "skuCount": {
41            "type": "int",
42            "defaultValue": 1,
43            "metadata": {
44                "description": "The instance size of this API Management service."
45            }
46        },
47        "location": {
48            "type": "string",
49            "defaultValue": "[resourceGroup().location]",
50            "metadata": {
51                "description": "Location for all resources."
52            }
53        }
54    },
55    "resources": [
56        {
57            "type": "Microsoft.ApiManagement/service",
58            "apiVersion": "2021-08-01",
59            "name": "[format('apiservice{0}', uniqueString(resourceGroup().id))]",
60            "location": "[parameters('location')]",
61            "sku": {
62                "name": "[parameters('sku')]",
63                "capacity": "[parameters('skuCount')]"
64            },
65            "properties": {
66                "publisherEmail": "[parameters('publisherEmail')]",

```

```

1  @description('Required. Name of the Container App.')      You, 13 months ago • add bicep modules
2  param name string
3
4  @description('Optional. Location for all Resources.')
5  param location string = resourceGroup().location
6
7  @description('Optional. Bool indicating if app exposes an external http endpoint.')
8  param ingressExternal bool = true
9
10 @allowed([
11   - 'auto'
12   - 'http'
13   - 'http2'
14   - 'tcp'
15 ])
16 @description('Optional. Ingress transport protocol.')
17 param ingressTransport string = 'auto'
18
19 @description('Optional. Bool indicating if HTTP connections to is allowed. If set to false HTTP con
20 param ingressAllowInsecure bool = true
21
22 @description('Optional. Target Port in containers for traffic from ingress.')
23 param ingressTargetPort int = 80
24
25 @description('Optional. Maximum number of container replicas. Defaults to 10 if not set.')
26 param scaleMaxReplicas int = 1
27
28 @description('Optional. Minimum number of container replicas.')

```

- Params/variables
- Resources
- Modules
- Existing/ loops

infrastructure > bicep >  main.bicep > {} keyVaultModule

```
116 resource sqlConnectionStringSecret 'Microsoft.KeyVault/vaults/secrets@2021-06-01-preview' existing = {
117   .parent: sharedKeyVault
118   .name: sqlConnectionStringName
119 }
120
121 // We don't set the default properties appInsightsId and storageAccountId, as this would set app setti
You, 3 weeks ago | 1 author (You)
122 module appServiceModule 'modules/Microsoft.Web/sites/deploy.bicep' = {
123   .name: '${affix}-app'
124   .scope: gppModuleRG
125   .params: {
126     .location: location
127     .name: appServiceName
128     .kind: 'app'
129     .serverFarmResourceId: servicePlan.id
130     .clientAffinityEnabled: false
131     .httpsOnly: true
132     .systemAssignedIdentity: true
133     .appSettingsKeyValuePairs: {
134       .APPINSIGHTS_INSTRUMENTATIONKEY: '@Microsoft.KeyVault(SecretUri=${appInsightsKeySecret.properties
135       .APPLICATIONINSIGHTS_CONNECTION_STRING: '@Microsoft.KeyVault(SecretUri=${appInsightsConnectionStr
```

devops

templates

pipeline.yml

azure-pipelines.develop.yml

azure-pipelines.main.yml

infrastructure / bicep

modules

project-modules

secrets.bicep

main.acc.parameters.json

main.bicep

main.dev.parameters.json M

main.prdev.parameters.json

main.tst.parameters.json

.gitignore

README.md

3

4

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22

You, 13 months ago • init project bicep

```
{
  "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentParameters.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "sqlSkuTier": {
      "value": "Standard"
    },
    "sqlSkuName": {
      "value": "S1"
    },
    "sqlDtu": {
      "value": 20
    },
    "sqlDbSizeBytes": {
      "value": 5368709120
    },
    "appServiceSku": {
      "value": { "name": "B1" }
    },
    "serviceBusSkuName": {
```

Alternative or additional?

az cli

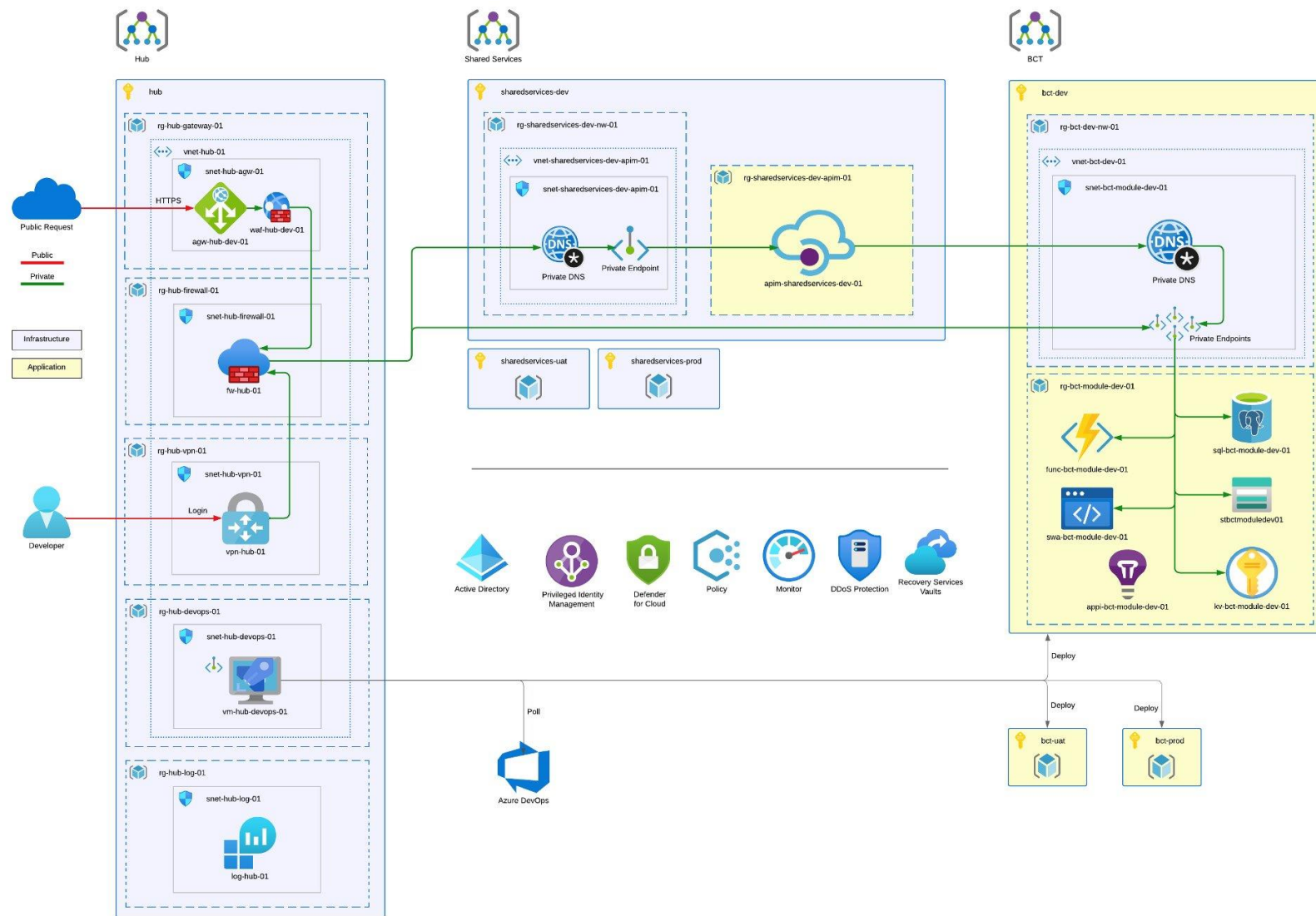
Cases:

- Delete resources
- Update specific properties

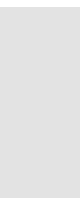
```
Write-Host "Executing: az network vnet peering update --resource-group $spokeRg --vnet-name $spokeVnetName --name $spokePeering.name --set useRemoteGateways=true"
az network vnet peering update --resource-group $spokeRg --vnet-name $spokeVnetName --name $spokePeering.name --set useRemoteGateways=true
}
```

Or: deployment scripts

What can bicep deploy?








Resources






[Home](#) > [Policy](#)

Policy | Definitions ...




«

-  Overview
-  Getting started
-  Compliance
-  Remediation
-  Events

Authoring


-  Assignments
-  Definitions
-  Exemptions





Related Services

-  Blueprints (preview)
-  Resource Graph
-  User privacy

[+ Policy definition](#) [+ Initiative definition](#) [↻ Export definitions](#) [🔄 Refresh](#)

Scope	Definition type	Type	Category	Search
<input type="text"/>	<input type="text" value="All definition types"/>	<input type="text" value="All types"/>	<input type="text" value="All categories"/>	<input type="text" value="Filter by name or ID..."/>

 Now export your definitions and assignments to GitHub and manage them using actions! Click on 'Export definition' menu option. [Learn more](#)

Name ↑↓	Definition location ↑↓	Policies ↑↓	Type ↑↓	Definition type ↑↓	Category ↑↓
 Enable Azure Cosmos DB throughput policy		2	BuiltIn	Initiative	Cosmos DB
 Enable Azure Monitor for Virtual Machine S...		6	BuiltIn	Initiative	Monitoring
 Configure Azure Defender to be enabled o...		2	BuiltIn	Initiative	Security Center
 Enable Azure Monitor for VMs		10	BuiltIn	Initiative	Monitoring
 [Preview]: Configure machines to automatic...		6	BuiltIn	Initiative	Monitoring
 [Preview]: Windows machines should meet ...		29	BuiltIn	Initiative	Guest Configuration
 Deploy prerequisites to enable Guest Confi...		4	BuiltIn	Initiative	Guest Configuration
 Audit machines with insecure password sec...		9	BuiltIn	Initiative	Guest Configuration

- Compliance
- Audit, then
 - deny/ modify/ deploy
- Examples
 - VM sizes
 - Regions
 - Tag organization

Policies

```

1  targetScope = 'managementGroup'
2
3  @description('Target Management Group')
4  param targetMG string
5
6  @description('An array of the allowed locations, all other locations will be denied by the created policy.')
7  param allowedLocations array = [
8      'australiaeast'
9      'australiasoutheast'
10     'australiacentral'
11 ]
12
13 var mgScope = tenantResourceId('Microsoft.Management/managementGroups', targetMG)
14 var policyDefinitionName = 'LocationRestriction'
15
16 resource policyDefinition 'Microsoft.Authorization/policyDefinitions@2020-03-01' = {
17     name: policyDefinitionName
18     properties: {
19         policyType: 'Custom'
20         mode: 'All'
21         parameters: {}
22         policyRule: {
23             if: {
24                 not: {
25                     field: 'location'
26                     in: allowedLocations
27                 }
28             }
29             then: {
30                 effect: 'deny'
31             }
32         }
33     }
34 }
35
36 resource policyAssignment 'Microsoft.Authorization/policyAssignments@2020-03-01' = {
37     name: 'location-lock'
38     properties: {
39         scope: mgScope
40         policyDefinitionId: extensionResourceId(mgScope, 'Microsoft.Authorization/policyDefinitions', policyDefinition.name)
41     }
42 }

```

Policies



Add role assignment

[Role](#) [Members](#) [Conditions](#) [Review + assign](#)

A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles. [Learn more](#)

[Job function roles](#) Privileged administrator roles

Grant access to Azure resources based on job function, such as the ability to create virtual machines.

×

Type : All

Category : All

Name ↑↓	Description ↑↓
Key Vault Administrator	Perform all data plane operations on a key vault and all objects in it, including certificates, keys, and secrets. Cannot manage key vaults.
Key Vault Certificate User	Read certificate contents. Only works for key vaults that use the 'Azure role-based access control' permission model.
Key Vault Certificates Officer	Perform any action on the certificates of a key vault, except manage permissions. Only works for key vaults that use the 'Azure role-based access control' permission model.
Key Vault Contributor	Lets you manage key vaults, but not access to them.
Key Vault Crypto Officer	Perform any action on the keys of a key vault, except manage permissions. Only works for key vaults that use the 'Azure role-based access control' permission model.
Key Vault Crypto Service Encryption User	Read metadata of keys and perform wrap/unwrap operations. Only works for key vaults that use the 'Azure role-based access control' permission model.
Key Vault Crypto Service Release User	Release keys. Only works for key vaults that use the 'Azure role-based access control' permission model.
Key Vault Crypto User	Perform cryptographic operations using keys. Only works for key vaults that use the 'Azure role-based access control' permission model.
Key Vault Data Access Administrator	Manage access to Azure Key Vault by adding or removing role assignments for the Key Vault Administrator, Key Vault Certificates Officer, Key Vault Crypto Officer, Key Vault Crypto User, Key Vault Crypto Service Encryption User, Key Vault Crypto Service Release User, Key Vault Secrets Officer, and Key Vault Secrets User.
Key Vault Reader	Read metadata of key vaults and its certificates, keys, and secrets. Cannot read sensitive values such as secret contents or key materials.
Key Vault Secrets Officer	Perform any action on the secrets of a key vault, except manage permissions. Only works for key vaults that use the 'Azure role-based access control' permission model.
Key Vault Secrets User	Read secret contents. Only works for key vaults that use the 'Azure role-based access control' permission model.
Operator Nexus Key Vault Writer Service Role (Preview)	(Preview) Provides Azure Operator Nexus services the ability to write to a Key Vault. This role is in preview and subject to change.

Showing 1 - 13 of 13 results.

- RBAC

```

5
6 resource keyVault_roleAssignments 'Microsoft.Authorization/roleAssignments@2022-04-01' = [
7   for (roleAssignment, index) in (roleAssignments ?? []): {
8     name: guid(keyVault.id, roleAssignment.principalId, roleAssignment.roleDefinitionIdOrName)
9     properties: {
10      roleDefinitionId: contains(builtInRoleNames, roleAssignment.roleDefinitionIdOrName)
11      ? builtInRoleNames[roleAssignment.roleDefinitionIdOrName]
12      : contains(roleAssignment.roleDefinitionIdOrName, '/providers/Microsoft.Authorization/roleDefinitions/')
13      ? roleAssignment.roleDefinitionIdOrName
14      : subscriptionResourceId('Microsoft.Authorization/roleDefinitions', roleAssignment.roleDefinitionIdOrName)
15      principalId: roleAssignment.principalId
16      description: roleAssignment.?description
17      principalType: roleAssignment.?principalType
18      condition: roleAssignment.?condition
19      conditionVersion: !empty(roleAssignment.?condition) ? (roleAssignment.?conditionVersion ?? '2.0') : null // Must only be set if condition is set
20      delegatedManagedIdentityResourceId: roleAssignment.?delegatedManagedIdentityResourceId
21    }
22    scope: keyVault
23  }
24 ]
25

```

- RBAC

Budgets

Action groups

Create budget

Budget

✓ Create a budget [Set alerts](#)

Configure alert conditions and send email notifications based on your spend.

Alert conditions

Type	% of budget	Amount	Action group
Actual	100	500	Cost managers
Forecasted	150	750	Cost managers
Select type	Enter %	-	None

[Manage action group](#)

Alert recipients (email)

Alert recipients (email)

example@email.com

It is recommended to add `azure-noreply@microsoft.com` to your email allow list to ensure alert mails do not go to your spam folder.

Language preference

Select your preferred language for receiving the alert email for all recipients provided above. Default is the language associated to your enrollment.

Languages

Default

Your budget evaluation will begin in a few hours. [Learn more](#)

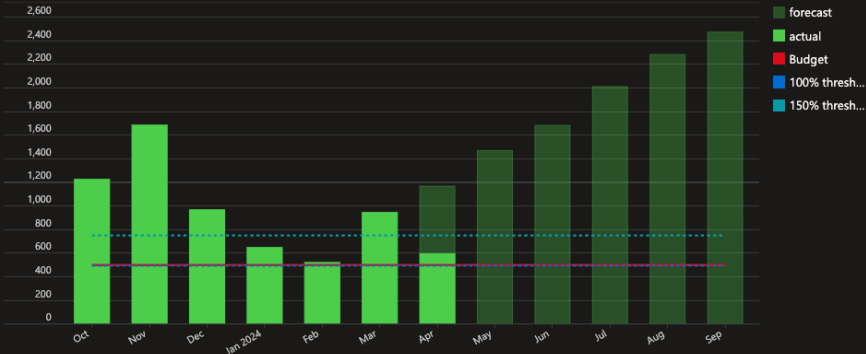
VIEW OF MONTHLY COST DATA

Oct 2023 - Sep 2024

LAST MONTH
€945

MAX (PAST 7 MONTH)
€1,685

MAX MONTHLY FORECAST
€2,473





Monitor | Alerts

Search (Ctrl+ /)

- Overview
- Activity log
- Alerts
- Metrics
- Logs
- Service Health
- Workbooks
- Insights
 - Applications
 - Virtual Machines
 - Storage accounts
 - Containers
 - Networks
 - SQL (preview)
 - Azure Cosmos DB
 - Key Vaults
 - Azure Cache for Redis
 - Azure Data Explorer Clusters
 - Log Analytics workspaces

+ Create Alert rules Action groups Alert processing rules Columns Refresh Export to CSV

Search Time range : Past 24 hours Subscription : all Add filter More (2)

Total alerts	Critical	Error	Warning	Informational	Verbose
685	110	141	0	288	146

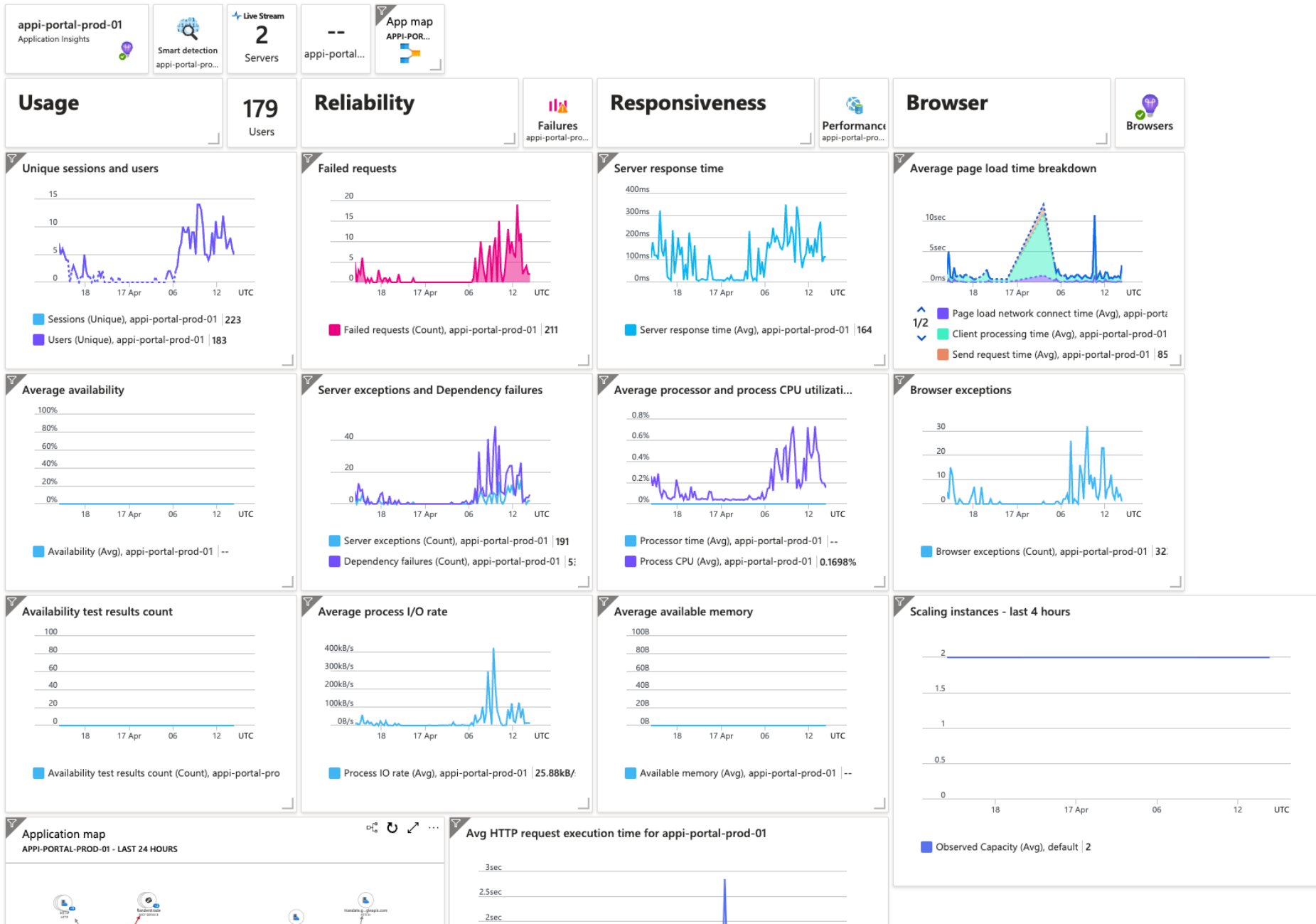
Name	Severity	Alert condition	User response	Fired time
<input type="checkbox"/> OptimizationResultCount	3 - Informational	Fired	New	3/23/2022, 2:33 PM
<input type="checkbox"/> CPULoadedAlertRule	0 - Critical	Fired	New	3/23/2022, 2:29 PM
<input type="checkbox"/> OptimizationResultCount	3 - Informational	Fired	New	3/23/2022, 2:28 PM
<input type="checkbox"/> Computers with high pr...	0 - Critical	Fired	New	3/23/2022, 2:26 PM
<input type="checkbox"/> OptimizationResultCount	3 - Informational	Fired	New	3/23/2022, 2:23 PM
<input type="checkbox"/> OptimizationResultCount	3 - Informational	Fired	New	3/23/2022, 2:18 PM
<input type="checkbox"/> VMHealth monitor 'root...	1 - Error	Fired	New	3/23/2022, 2:16 PM
<input type="checkbox"/> OptimizationResultCount	3 - Informational	Fired	New	3/23/2022, 2:13 PM
<input type="checkbox"/> Computers with high pr...	0 - Critical	Fired	New	3/23/2022, 2:08 PM
<input type="checkbox"/> Contoso Customer Check	1 - Error	Fired	New	3/23/2022, 2:08 PM
<input type="checkbox"/> OptimizationResultCount	3 - Informational	Fired	New	3/23/2022, 2:08 PM
<input type="checkbox"/> Failed requests	1 - Error	Fired	New	3/23/2022, 2:05 PM

Alerts

Jan Vanuytrecht, 6 months ago · 1 author (Jan Vanuytrecht)

```
module dataLostAlert '../..../ms-modules/avm/res/insights/scheduled-query-rule/main.bicep' = {
  name: 'hub-management-ar-log-data-lost-${deployId}'
  scope: resourceGroup(managementSubscriptionId, logRGName)
  params: {
    location: location
    name: 'Log analytics Data is being capped'
    alertDescription: 'Exceptional amount of data, which means something is wrong, check the logs to get more insights.'
    severity: 0
    enabled: true
    evaluationFrequency: 'PT5M'
    scopes: [
      logAnalyticsWorkspace.id
    ]
    targetResourceTypes: [
      'Microsoft.OperationalInsights/workspaces'
    ]
    windowSize: 'PT5M'
    criterias: {
      allOf: [
        {
          query: '\t_LogOperation | where Category =~ "Ingestion" | where Detail contains "OverQuota"\n'
          timeAggregation: 'Count'
          dimensions: [
            resourceIdColumn: '_ResourceId'
            operator: 'GreaterThan'
            threshold: 0
            failingPeriods: {
              numberOfEvaluationPeriods: 1
              minFailingPeriodsToAlert: 1
            }
          ]
        }
      ]
    }
    actions: [
      supportActionGroup.id
    ]
  }
}
```

Alerts



Dashboards



UNLIMITED POWER!!!

1. Azure AD Resources

- Users
- Groups
- Service Principals
- App Registrations
- Role Assignments at Management Group level
- Custom RBAC roles

2. Resource Provider Registration

- Cannot register new resource providers
- Must be done via Azure CLI/PowerShell/Portal

3. Subscription Management

- Cannot create new subscriptions
- Cannot change subscription billing
- Cannot transfer subscriptions

4. Management Group Structure

- Cannot create management group hierarchy
- Cannot move subscriptions between management groups

5. Cross-Tenant Operations

- Cannot create resources across tenants
- Cannot manage guest users
- Cannot set up cross-tenant access

What not?

6.Preview Features

- Some preview features are not available in ARM
- Must use Azure CLI/PowerShell/Portal

7.Resource Graph Operations

- Cannot query resources across subscriptions
- Cannot perform bulk operations

8.Support Tickets

- Cannot create or manage support tickets
- Cannot manage service health alerts

9.Marketplace Items

- Cannot publish to marketplace
- Cannot manage marketplace subscriptions

10.Some Network Operations

- Cannot create ExpressRoute circuits
- Cannot manage peering relationships
- Cannot create cross-region virtual network peering

These limitations often require using Azure CLI, PowerShell, or the Azure Portal for management.

What not?

Home > Narato - Playground | Resources > cosmos-db-comic-reader-01

cosmos-db-comic-reader-01 | Export template

Azure Cosmos DB account | PREVIEW

Search × < Download Copy content Deploy Feedback

Advisor Recommendations

Microsoft Defender for Cloud

Identity

Locks

Integrations

Power BI

Azure Synapse Link

Add Azure AI Search

Add Azure Function

Containers

Browse

Scale

Settings

Monitoring

Insights

Alerts

Metrics

Logs

Diagnostic settings

Workbooks

Automation

CLI / PS

Tasks

Export template

Help

Resource health

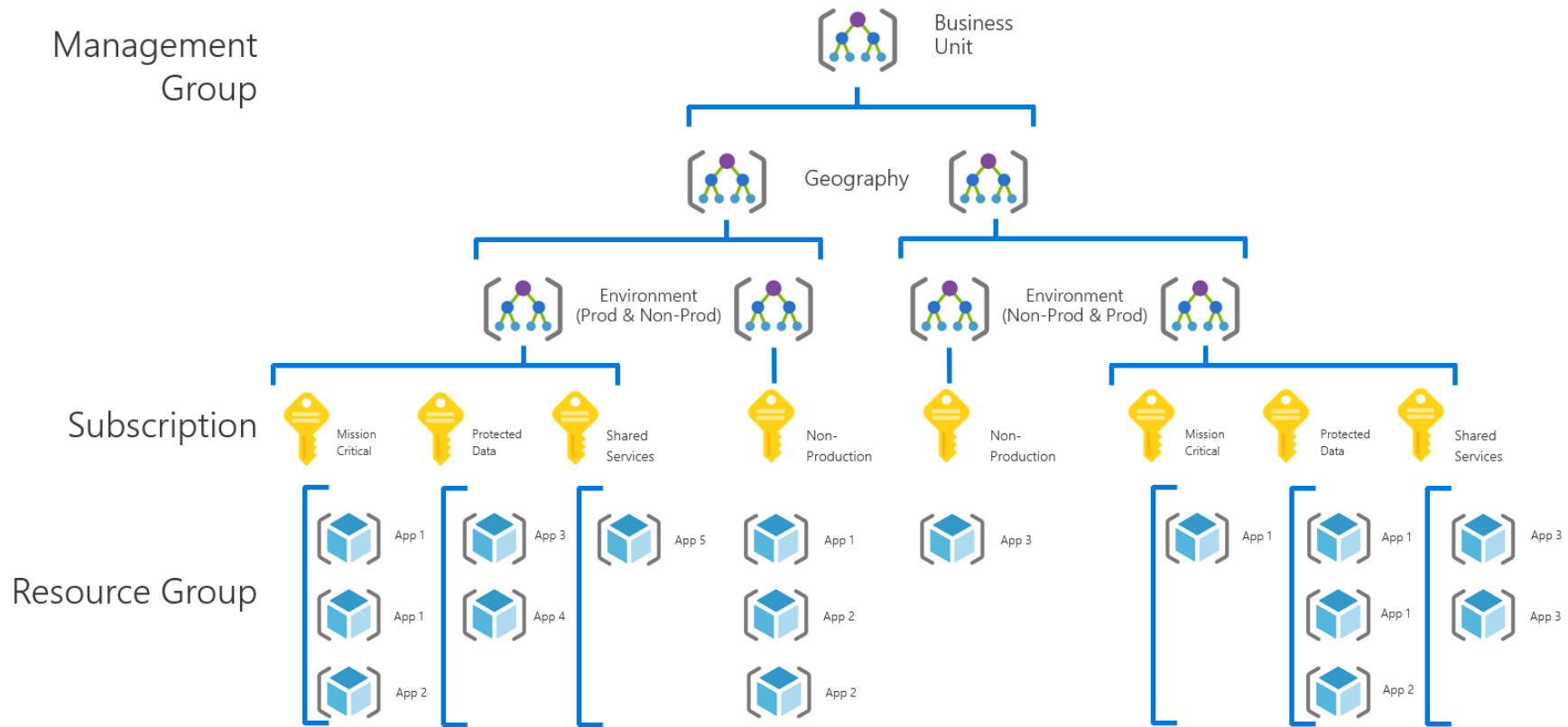
ARM Template **Bicep** Terraform

⚠ Export template operation completed with errors. Some resources were not exported. Please see details for more information.

To learn more about Bicep click [here](#)

```
1 param databaseAccounts_cosmos_db_comic_reader_01_name string = 'cosmos-db-comic-reader-01'
2
3 resource databaseAccounts_cosmos_db_comic_reader_01_name_resource 'Microsoft.DocumentDB/databaseAccounts@2024-12-01-preview' = {
4   name: databaseAccounts_cosmos_db_comic_reader_01_name
5   location: 'West Europe'
6   tags: {
7     defaultExperience: 'Core (SQL)'
8     'hidden-cosmos-mmspecial': ''
9   }
10  kind: 'GlobalDocumentDB'
11  identity: {
12    type: 'None'
13  }
14  properties: {
15    publicNetworkAccess: 'Enabled'
16    enableAutomaticFailover: false
17    enableMultipleWriteLocations: false
18    isVirtualNetworkFilterEnabled: false
19    virtualNetworkRules: []
20    disableKeyBasedMetadataWriteAccess: false
21    enableFreeTier: false
22    enableAnalyticalStorage: false
23    analyticalStorageConfiguration: {
24      schemaType: 'WellDefined'
25    }
26    databaseAccountOfferType: 'Standard'
27    enableMaterializedViews: false
28    capacityMode: 'Provisioned'
29    defaultIdentity: 'FirstPartyIdentity'
30    networkAclBypass: 'None'
31    disableLocalAuth: false
32    enablePartitionMerge: false
33    enablePerRegionPerPartitionAutoscale: false
34    enableBurstCapacity: false
35    enablePriorityBasedExecution: false
36    defaultPriorityLevel: 'High'
37    minimalTlsVersion: 'Tls'
```

Bicep magic wizard is you?



4 levels
(+tenant)

✓

#20231128.1 • Merged PR 1773: Upgrade .NET 8

Run new

⋮

🏠 bct-module-krab-infra-develop

ⓘ

This run is being retained as one of 3 recent runs by develop (Branch).

View retention leases

Summary

Environments

Code Coverage

Rolling build triggered

View change

Repository and version

🔗 bct-module-krab-infra

🌐 develop 🔗 c8ac346d

Time started and elapsed

📅 Today at 08:45

⌚ 15m 32s

Related

🔗 1 work items

📦 0 artifacts

Tests and coverage

👤 Get started

Stages

Jobs

✓

main - dev

4 jobs completed

4m 35s

✓

Build bicep

15s

✓

Validate Bicep code

23s

✓

Preview Azure Changes

38s

✓

main - Deploy infrastr...

2m ...

Rerun stage

✓

apim - dev

4 jobs completed

3m 5s

✓

main - tst

4 jobs completed

4m 9s

✓

apim - tst

4 jobs completed

3m 0s

- Pipelines - Bicep
 - Build bicep
 - Validate bicep
 - What-if

Bicep build (az bicep build) only: Converts Bicep to ARM JSON

- Checks syntax
- Validates basic structure

Validation (az deployment group validate) does:

All of the above

- Checks resource provider registration
- Validates resource properties against API
- Verifies resource dependencies
- Validates parameter values
- Checks resource quotas
- Validates RBAC permissions
- Verifies resource naming rules
- Checks resource availability in region
- Validates SKU availability
- Checks resource limits

Key difference: Build is just syntax check, validation is full deployment simulation without actually deploying.

- Pipelines - Bicep
 - Build bicep
 - Validate bicep
 - What-if

#20231128.1 • Merged PR 1773: Upgrade .NET 8

bct-module-krab-infra-develop

Run new

This run is being retained as one of 3 recent runs by develop (Branch).

View retention leases

Summary

Environments

Code Coverage

Rolling build triggered

View change

Repository and version

bct-module-krab-infra

develop

c8ac346d

Time started and elapsed

Today at 08:45

15m 32s

Related

1 work items

0 artifacts

Tests and coverage

Get started

Stages

Jobs

main - dev

4 jobs completed

4m 35s

Build bicep

15s

Validate Bicep code

23s

Preview Azure Changes

38s

main - Deploy infrastr...

2m ...

Rerun stage

apim - dev

4 jobs completed

3m 5s

main - tst

4 jobs completed

4m 9s


apim - tst

4 jobs completed

3m 0s

- Dekt niet alles
 - Bvb.: key vault name die al in gebruik is

Fix typo casesensitive sql migration path

Completed 12929  Jan Vanuytrecht proposes to merge [feature/17505-pipeline-gpp](#) into [develop](#)


[Overview](#) [Files](#) [Updates](#) [Commits](#)

 Jan Vanuytrecht completed this pull request 29 Mar


Cherry-pick

Revert

Merged PR 2929: Fix typo casesensitive sql migration path

965bb7e7  Jan Vanuytrecht 29 Mar at 17:58

[Show details](#)

 All required checks succeeded

[View 3 checks](#) ⓘ

 1 reviewer approved

 No merge conflicts
Last checked 29 Mar

Description

Fix typo casesensitive sql migration path

Reviewers

Add ▾

Required

No required reviewers

Optional

  Jan Vanuytrecht
Approved



Tags

+

No tags

Work items

+

 [Product Backlog Item 17505: Nieuw](#)
Updated 19m ago,  Done

- Pipelines
 - PR (branch policies)

rg-abdulhadimasri-01 | Deployments

Resource group

Search

RefreshCancelRedeployDeleteView template

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

Deployments

Security

Deployment stacks

Policies

Properties

Locks

Cost Management

Cost analysis

Cost alerts (preview)

Budgets

Advisor

Filter by deployment name or resources in the deployment...

	Deployment name	Status	Last modified	Duration	Related events
<input type="radio"/>	CreateVm-MicrosoftWindowsServer.WindowsServ...	Succeeded	3/23/2025, 4:37:46 PM	24 seconds, 348 milliseconds	Related events
<input type="radio"/>	CreateVm-MicrosoftWindowsServer.WindowsServ...	Succeeded	3/23/2025, 4:23:09 PM	24 seconds, 529 milliseconds	Related events
<input type="radio"/>	CreateVm-MicrosoftWindowsServer.WindowsServ...	Succeeded	3/23/2025, 4:01:48 PM	30 seconds, 811 milliseconds	Related events
<input type="radio"/>	mmSpiybdxmfg-PrivateEndpoint-PrivateDnsZone...	Succeeded	1/19/2025, 12:22:45 AM	10 minutes	Related events
<input type="radio"/>	46d3xbcp.res.network-privateendpoint.-----616e	Succeeded	1/19/2025, 12:22:07 AM	10 minutes	Related events
<input type="radio"/>	private-endpoint-kv-hadi-test-01	Succeeded	1/19/2025, 12:22:05 AM	10 minutes	Related events
<input type="radio"/>	privatelink.vaultcore.azure.net_1737242343744	Succeeded	1/19/2025, 12:19:07 AM	10 minutes	Related events
<input type="radio"/>	vnet-hadi-01-1737242301531	Succeeded	1/19/2025, 12:18:25 AM	10 minutes	Related events
<input type="radio"/>	kv-hadi-01	Succeeded	1/19/2025, 12:17:20 AM	10 minutes	Related events
<input type="radio"/>	PolicyDeployment_17801152871846006019	Succeeded	1/6/2025, 12:34:14 AM	10 minutes	Related events
<input type="radio"/>	Microsoft.SQLDatabase.newDatabaseNewServer_e...	Succeeded	1/6/2025, 12:24:09 AM	10 minutes	Related events
<input type="radio"/>	sthadi001_1734904150125	Succeeded	12/22/2024, 10:49:16 PM	10 minutes	Related events
<input type="radio"/>	avnm-test-01	Succeeded	6/7/2024, 3:12:38 PM	10 minutes	Related events
<input type="radio"/>	vnet-spoke-test-02-1717754923208	Succeeded	6/7/2024, 12:08:45 PM	10 minutes	Related events
<input type="radio"/>	vnet-spoke-test-01-1717754489294	Succeeded	6/7/2024, 12:01:31 PM	10 minutes	Related events

- Deployments in Azure
 - Opvolging
 - Error output

Home > Subscriptions > Narato - Playground

Subscriptions

Narato - Company AD

+ Add Manage Policies ...

Showing subscriptions in Narato - Company AD directory. Don't see a subscription? [Switch directories](#)

Subscriptions : Filtered (29 of 30)

My role == all

Status == all Add filter

Subscription name ↑↓

Narato - Nicolaas Van Bladel	...
Narato - Playground	...
Narato - Seppe Goossens	...
Narato Dev Showcase	...
Project Polaris	...

Narato - Playground | Resource providers

Subscription

Search

Re-register Unregister Refresh Feedback

Access control (IAM)

Tags

Diagnose and solve problems

Security

Resource visualizer

Events

Cost Management

- Cost analysis
- Cost alerts
- Budgets
- Advisor recommendations

Billing

Billing profile invoices

Settings

- Programmatic deployment
- Resource groups
- Resources
- Preview features
- Usage + quotas
- Policies
- My permissions
- Resource providers**
- Deployments
- Deployment stacks

microsoft.ke

Status : All Registration Policy : All

Provider ↑	Status	Registration Policy
Microsoft KeyVault	Registered	RegistrationRequired ⓘ

- Resource providers

- [Microsoft Learn - Bicep Documentation](#)
- [Bicep GitHub Repository](#)
- [Azure Verified Modules \(AVM\)](#)
- [Azure rest api reference](#)

[ARM Quickstarts](#)

> [Bicep decompile](#)

```
az bicep decompile --file main.json
```

Useful resources



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Contact

Feel free to reach out