

BPAZR021: Create azure function app via terraform.

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Overview

Creates Azure Function which provides serverless solution that allows you to write less code, maintain less infrastructure, and save on costs. Azure Functions in an App Service (dedicated plan) you pay for the allocated hardware per minute.

Platform:	Azure
Owner of this SOP:	Fully Managed POD A
Cloud Services:	Azure Function App

Problem

- As part of new blueprint creating SOP of how to create azure function app.

Tester	Reviewer
@ Rajesh Chouhan	

Process

- Services to be created , auzre function app , app service and app service plan.

Solution

- Fork the azure function app repo and make code changes.

```
env_vars > npe.auto.tfvars > storage.network_rules > [ ] ip.rules > [ ] 1
1 base_name = "it" ## base name can either be "it" or "ot", if commented it will be "it" by default
2 function_name = "ToolingdFunctionApp" ## Name of Azure Function app
3 location = "Australia East" ## Azure location to provision Function App and other services
4 resource_group_name = "it-aeu1-npe-arg-fmpodaRHEL8" ## Name of Resource Grp to be created or existing RG name
5 create_resource_group = false ## Set this to true if a new resource group is created - applicable onl
6 storage_account_name = "strazrfnctionapp" ## Name of Storage account to be created for function app
7 create_app_service = false ## To create app service
8
9 tags = {
10   AppEnv = ""
11   BlueprintName = "BPAZR021"
12   BlueprintVersion = "v1.0.0"
13   ComponentVersion = ""
14   CostOwner = "danny.seow1@bhp.com"
15   Department = "test"
16   BusinessUnit = "test"
17   CostCentre = "1410.C.01098.0100"
18   Env = "npe"
```

- Push the changes to the main branch and run the pipeline and check for terraform plan.

← → ↻ 🏠 app.terraform.io/app/BHPEG-Dev/workspaces/a_azr_toolingdev_npe_testingwpoda_01818878-c294-4617-a15a-8b7934a433c4/runs/run-9kf1yXAmzM...

✓ Applied

Queued from GitLab CI/CD Pipeline

👤 API Integration triggered a run from API 4 days ago

✓ Plan finished 4 days ago

Resources: 6 to add, 0 to change,

⚠️ Cost estimation failed 4 days ago

Queued 4 days ago > Failed 4 days ago

Something on our end went wrong. We've been notified. Please try again later.

✓ Policy check passed 4 days ago

Policies: 13 pa

✓ Apply finished 4 days ago

Resources: 6 added, 0 changed,

- Azure function app is created along with the services.

← → ↻ 🏠 <https://portal.azure.com/#@BHPE@onmicrosoft.com/resource/subscriptions/01818878-c294-4617-a15a-8b7934a433c4...>

BHP Resources Project Google POD A gitlab AWS Accounts NGI AZURE -home Datadog prod ngi Snow Home TWR PRB0060861-girun... CertifyBP

Microsoft Azure Search resources, services, and docs (Ctrl+J) rajesh.chouhan@bhp.co... BHP (BHP@ONMANGROSOFT.COM)

Home > **it-fna-ToolingdFunctionApp** Function App

Search (Ctrl+J) Browse Refresh Stop Restart Swap Get publish profile Reset publish profile Download app content Delete Send us your feedback

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Microsoft Defender for Cloud

Events (preview)

Functions

Functions

App keys

App files

Proxies

Deployment

Deployment slots

⚠️ "Always on" should be enabled for your app to improve function cold start and reliability. →

Essentials

Resource group (move) : [it-aws1-npe-arg-fmoodaBHIL8](#)

Status : Running

Location : Australia East

Subscription (move) : [it-npe-toolingdev](#)

Subscription ID : 01818878-c294-4617-a15a-8b7934a433c4

Tags (edit) : AppEnv : BlueprintName : BPAZR021 BlueprintVersion : v1.0.0 BusinessUnit : test ComponentVersion : CostCentre : 9006023

URL : <https://it-fna-toolingdfunctionapp.azurewebsites.net>

Health Check : [Not Configured](#)

Operating System : Windows

App Service Plan : [it-fna-app-service-plan/P1u2-1](#)

Properties : [See More](#)

See more

Metrics

Features (9)

Notifications (2)

Quickstart

Memory working set

Function Execution Count