Create App Service app using Terraform

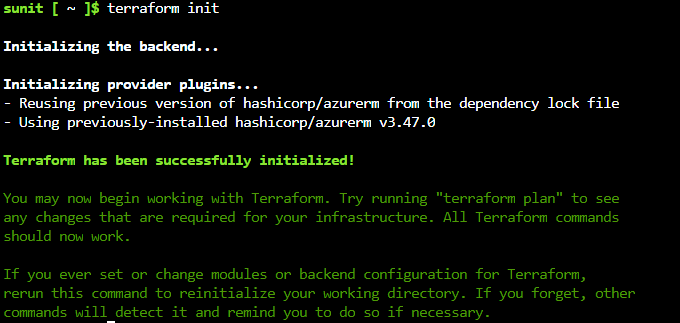
Source Code Location

<https://github.com/sunitkumar2005/terraform-web-app-demo>

Commands to execute terraform file via Azure Cloud Shell on Azure Portal

**terraform init** – The terraform init command initializes a working directory containing Terraform configuration files. This is the first command that should be run after writing a new Terraform configuration or cloning an existing one from version control.

output of above command



**terraform plan -** The terraform plan command creates an execution plan, which lets you preview the changes that Terraform plans to make to your infrastructure.

Below is the output of above command

**Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:**

**+ create**

**Terraform will perform the following actions:**

**# azurerm\_app\_configuration.appconf will be created**

**+ resource "azurerm\_app\_configuration" "appconf" {**

**+ endpoint = (known after apply)**

**+ id = (known after apply)**

**+ local\_auth\_enabled = true**

**+ location = "westeurope"**

**+ name = "App-Conf-sunit"**

**+ primary\_read\_key = (known after apply)**

**+ primary\_write\_key = (known after apply)**

**+ purge\_protection\_enabled = false**

**+ resource\_group\_name = "sunit-pip-rg-terraform"**

**+ secondary\_read\_key = (known after apply)**

**+ secondary\_write\_key = (known after apply)**

**+ sku = "free"**

**+ soft\_delete\_retention\_days = 7**

**}**

**# azurerm\_resource\_group.sunit-pip-rg will be created**

**+ resource "azurerm\_resource\_group" "sunit-pip-rg" {**

**+ id = (known after apply)**

**+ location = "westeurope"**

**+ name = "sunit-pip-rg-terraform"**

**}**

**# azurerm\_service\_plan.asp\_web\_name will be created**

**+ resource "azurerm\_service\_plan" "asp\_web\_name" {**

**+ id = (known after apply)**

**+ kind = (known after apply)**

**+ location = "westeurope"**

**+ maximum\_elastic\_worker\_count = (known after apply)**

**+ name = "asp\_web\_name-sunit"**

**+ os\_type = "Windows"**

**+ per\_site\_scaling\_enabled = false**

**+ reserved = (known after apply)**

**+ resource\_group\_name = "sunit-pip-rg-terraform"**

**+ sku\_name = "P1v2"**

**+ worker\_count = (known after apply)**

**}**

**# azurerm\_windows\_web\_app.web-name-sunit will be created**

**+ resource "azurerm\_windows\_web\_app" "web-name-sunit" {**

**+ client\_affinity\_enabled = false**

**+ client\_certificate\_enabled = false**

**+ client\_certificate\_mode = "Required"**

**+ custom\_domain\_verification\_id = (sensitive value)**

**+ default\_hostname = (known after apply)**

**+ enabled = true**

**+ https\_only = false**

**+ id = (known after apply)**

**+ key\_vault\_reference\_identity\_id = (known after apply)**

**+ kind = (known after apply)**

**+ location = "westeurope"**

**+ name = "web-name-sunit"**

**+ outbound\_ip\_address\_list = (known after apply)**

**+ outbound\_ip\_addresses = (known after apply)**

**+ possible\_outbound\_ip\_address\_list = (known after apply)**

**+ possible\_outbound\_ip\_addresses = (known after apply)**

**+ resource\_group\_name = "sunit-pip-rg-terraform"**

**+ service\_plan\_id = (known after apply)**

**+ site\_credential = (known after apply)**

**+ zip\_deploy\_file = (known after apply)**

**+ site\_config {**

**+ always\_on = true**

**+ auto\_heal\_enabled = false**

**+ container\_registry\_use\_managed\_identity = false**

**+ default\_documents = (known after apply)**

**+ detailed\_error\_logging\_enabled = (known after apply)**

**+ ftps\_state = "Disabled"**

**+ health\_check\_eviction\_time\_in\_min = (known after apply)**

**+ http2\_enabled = false**

**+ ip\_restriction = (known after apply)**

**+ linux\_fx\_version = (known after apply)**

**+ load\_balancing\_mode = "LeastRequests"**

**+ local\_mysql\_enabled = false**

**+ managed\_pipeline\_mode = "Integrated"**

**+ minimum\_tls\_version = "1.2"**

**+ remote\_debugging\_enabled = false**

**+ remote\_debugging\_version = (known after apply)**

**+ scm\_ip\_restriction = (known after apply)**

**+ scm\_minimum\_tls\_version = "1.2"**

**+ scm\_type = (known after apply)**

**+ scm\_use\_main\_ip\_restriction = false**

**+ use\_32\_bit\_worker = true**

**+ vnet\_route\_all\_enabled = false**

**+ websockets\_enabled = false**

**+ windows\_fx\_version = (known after apply)**

**+ worker\_count = (known after apply)**

**+ application\_stack {**

**+ current\_stack = (known after apply)**

**+ docker\_container\_name = (known after apply)**

**+ docker\_container\_registry = (known after apply)**

**+ docker\_container\_tag = (known after apply)**

**+ dotnet\_core\_version = (known after apply)**

**+ dotnet\_version = (known after apply)**

**+ java\_container = (known after apply)**

**+ java\_container\_version = (known after apply)**

**+ java\_embedded\_server\_enabled = (known after apply)**

**+ java\_version = (known after apply)**

**+ node\_version = (known after apply)**

**+ php\_version = (known after apply)**

**+ python = (known after apply)**

**+ python\_version = (known after apply)**

**+ tomcat\_version = (known after apply)**

**}**

**}**

**}**

**Plan: 4 to add, 0 to change, 0 to destroy.**

**terraform apply -** The terraform apply command is used to apply the changes required to reach the desired state of the configuration, or the pre-determined set of actions generated by a terraform plan execution plan.

Below is the output of this command.

**Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:**

**+ create**

**Terraform will perform the following actions:**

**# azurerm\_app\_configuration.appconf will be created**

**+ resource "azurerm\_app\_configuration" "appconf" {**

**+ endpoint = (known after apply)**

**+ id = (known after apply)**

**+ local\_auth\_enabled = true**

**+ location = "westeurope"**

**+ name = "App-Conf-sunit"**

**+ primary\_read\_key = (known after apply)**

**+ primary\_write\_key = (known after apply)**

**+ purge\_protection\_enabled = false**

**+ resource\_group\_name = "sunit-pip-rg-terraform"**

**+ secondary\_read\_key = (known after apply)**

**+ secondary\_write\_key = (known after apply)**

**+ sku = "free"**

**+ soft\_delete\_retention\_days = 7**

**}**

**# azurerm\_resource\_group.sunit-pip-rg will be created**

**+ resource "azurerm\_resource\_group" "sunit-pip-rg" {**

**+ id = (known after apply)**

**+ location = "westeurope"**

**+ name = "sunit-pip-rg-terraform"**

**}**

**# azurerm\_service\_plan.asp\_web\_name will be created**

**+ resource "azurerm\_service\_plan" "asp\_web\_name" {**

**+ id = (known after apply)**

**+ kind = (known after apply)**

**+ location = "westeurope"**

**+ maximum\_elastic\_worker\_count = (known after apply)**

**+ name = "asp\_web\_name-sunit"**

**+ os\_type = "Windows"**

**+ per\_site\_scaling\_enabled = false**

**+ reserved = (known after apply)**

**+ resource\_group\_name = "sunit-pip-rg-terraform"**

**+ sku\_name = "P1v2"**

**+ worker\_count = (known after apply)**

**}**

**# azurerm\_windows\_web\_app.web-name-sunit will be created**

**+ resource "azurerm\_windows\_web\_app" "web-name-sunit" {**

**+ client\_affinity\_enabled = false**

**+ client\_certificate\_enabled = false**

**+ client\_certificate\_mode = "Required"**

**+ custom\_domain\_verification\_id = (sensitive value)**

**+ default\_hostname = (known after apply)**

**+ enabled = true**

**+ https\_only = false**

**+ id = (known after apply)**

**+ key\_vault\_reference\_identity\_id = (known after apply)**

**+ kind = (known after apply)**

**+ location = "westeurope"**

**+ name = "web-name-sunit"**

**+ outbound\_ip\_address\_list = (known after apply)**

**+ outbound\_ip\_addresses = (known after apply)**

**+ possible\_outbound\_ip\_address\_list = (known after apply)**

**+ possible\_outbound\_ip\_addresses = (known after apply)**

**+ resource\_group\_name = "sunit-pip-rg-terraform"**

**+ service\_plan\_id = (known after apply)**

**+ site\_credential = (known after apply)**

**+ zip\_deploy\_file = (known after apply)**

**+ site\_config {**

**+ always\_on = true**

**+ auto\_heal\_enabled = false**

**+ container\_registry\_use\_managed\_identity = false**

**+ default\_documents = (known after apply)**

**+ detailed\_error\_logging\_enabled = (known after apply)**

**+ ftps\_state = "Disabled"**

**+ health\_check\_eviction\_time\_in\_min = (known after apply)**

**+ http2\_enabled = false**

**+ ip\_restriction = (known after apply)**

**+ linux\_fx\_version = (known after apply)**

**+ load\_balancing\_mode = "LeastRequests"**

**+ local\_mysql\_enabled = false**

**+ managed\_pipeline\_mode = "Integrated"**

**+ minimum\_tls\_version = "1.2"**

**+ remote\_debugging\_enabled = false**

**+ remote\_debugging\_version = (known after apply)**

**+ scm\_ip\_restriction = (known after apply)**

**+ scm\_minimum\_tls\_version = "1.2"**

**+ scm\_type = (known after apply)**

**+ scm\_use\_main\_ip\_restriction = false**

**+ use\_32\_bit\_worker = true**

**+ vnet\_route\_all\_enabled = false**

**+ websockets\_enabled = false**

**+ windows\_fx\_version = (known after apply)**

**+ worker\_count = (known after apply)**

**+ application\_stack {**

**+ current\_stack = (known after apply)**

**+ docker\_container\_name = (known after apply)**

**+ docker\_container\_registry = (known after apply)**

**+ docker\_container\_tag = (known after apply)**

**+ dotnet\_core\_version = (known after apply)**

**+ dotnet\_version = (known after apply)**

**+ java\_container = (known after apply)**

**+ java\_container\_version = (known after apply)**

**+ java\_embedded\_server\_enabled = (known after apply)**

**+ java\_version = (known after apply)**

**+ node\_version = (known after apply)**

**+ php\_version = (known after apply)**

**+ python = (known after apply)**

**+ python\_version = (known after apply)**

**+ tomcat\_version = (known after apply)**

**}**

**}**

**}**

**Plan: 4 to add, 0 to change, 0 to destroy.**

**Do you want to perform these actions?**

**Terraform will perform the actions described above.**

**Only 'yes' will be accepted to approve.**

**Enter a value: yes**

**azurerm\_resource\_group.sunit-pip-rg: Creating...**

**azurerm\_resource\_group.sunit-pip-rg: Creation complete after 3s [id=/subscriptions/b3e2c595-2112-49ce-9df1-a410a4170061/resourceGroups/sunit-pip-rg-terraform]**

**azurerm\_service\_plan.asp\_web\_name: Creating...**

**azurerm\_app\_configuration.appconf: Creating...**

**azurerm\_service\_plan.asp\_web\_name: Still creating... [10s elapsed]**

**azurerm\_app\_configuration.appconf: Still creating... [10s elapsed]**

**azurerm\_app\_configuration.appconf: Creation complete after 17s [id=/subscriptions/b3e2c595-2112-49ce-9df1-a410a4170061/resourceGroups/sunit-pip-rg-terraform/providers/Microsoft.AppConfiguration/configurationStores/App-Conf-sunit]**

**azurerm\_service\_plan.asp\_web\_name: Creation complete after 19s [id=/subscriptions/b3e2c595-2112-49ce-9df1-a410a4170061/resourceGroups/sunit-pip-rg-terraform/providers/Microsoft.Web/serverfarms/asp\_web\_name-sunit]**

**azurerm\_windows\_web\_app.web-name-sunit: Creating...**

**azurerm\_windows\_web\_app.web-name-sunit: Still creating... [10s elapsed]**

**azurerm\_windows\_web\_app.web-name-sunit: Still creating... [20s elapsed]**

**azurerm\_windows\_web\_app.web-name-sunit: Still creating... [30s elapsed]**

**azurerm\_windows\_web\_app.web-name-sunit: Still creating... [40s elapsed]**

**azurerm\_windows\_web\_app.web-name-sunit: Still creating... [50s elapsed]**

**azurerm\_windows\_web\_app.web-name-sunit: Still creating... [1m0s elapsed]**

**azurerm\_windows\_web\_app.web-name-sunit: Still creating... [1m10s elapsed]**

**azurerm\_windows\_web\_app.web-name-sunit: Still creating... [1m20s elapsed]**

**azurerm\_windows\_web\_app.web-name-sunit: Still creating... [1m30s elapsed]**

**azurerm\_windows\_web\_app.web-name-sunit: Still creating... [1m40s elapsed]**

**azurerm\_windows\_web\_app.web-name-sunit: Creation complete after 1m45s [id=/subscriptions/b3e2c595-2112-49ce-9df1-a410a4170061/resourceGroups/sunit-pip-rg-terraform/providers/Microsoft.Web/sites/web-name-sunit]**

**Apply complete! Resources: 4 added, 0 changed, 0 destroyed.**

**Snapshot of Azure Resources which are created by using terraform**

