

» vra7__deployment

Provides a VMware vRA7 deployment resource. This can be used to deploy vRA7 catalog items.

» Example Usages

Simple deployment of a vSphere machine with custom properties and a network profile:

You can refer to the sample blueprint ([here](#)) to understand how it is translated to following the terraform config

```
resource "vra7_deployment" "my_vra7_deployment" {
  count = 1
  catalog_item_name = "Basic Single Machine"
  description = "Test deployment"
  reasons = "Testing the vRA 7 Terraform plugin"

  deployment_configuration = {
    _leaseDays = "15"
    _number_of_instances = 2
    deployment_property = "custom deployment property"
  }
  resource_configuration = {
    vSphereVM1.cpu = 1
    vSphereVM1.memory = 2048
    vSphereVM1.machine_property = "machine custom property"
  }
  wait_timeout = 20
  businessgroup_name = "Development"
}
```

» Argument Reference

The following arguments are supported:

- **businessgroup_id** - (Optional) The id of the vRA business group to use for this deployment.
- **businessgroup_name** - (Optional) The name of the vRA business group to use for this deployment.
- **catalog_item_id** - (Optional) The id of the catalog item to deploy into vRA.
- **catalog_item_name** - (Optional) The name of the catalog item to deploy into vRA.

- **description** - (Optional) Description of the deployment
- **reasons** - (Optional) Reasons for requesting the deployment
- **deployment_configuration** - (Optional) The configuration of the deployment from the catalog item
- **resource_configuration** - (Optional) The configuration of the individual components from the catalog item

» Nested Blocks

» **deployment_configuration**

This block contains the deployment level properties including the custom properties. These are not a fixed set of properties but referred from the blueprint. There are generic properties like `_leaseDays`, `_number_of_instances`, etc but they are optional and from the example of the `BasicSingleMachine` blueprint, there is one custom property, called `deployment_property` which is required at request time. All the properties that are required during request, must be specified in the config file.

» **resource_configuration**

This block contains the machine resource level properties including the custom properties. These are not a fixed set of properties but referred from the blueprint. The sample blueprint has one vSphere machine resource called `vSphereVM1`. Properties of this machine can be specified in the config in the format `"vSphereVM1.property_name"`. The properties like `cpu`, `memory`, `storage`, etc are generic machine properties and there is a custom property as well, called `machine_property` in the sample blueprint which is required at request time. There can be any number of machines and same format has to be followed to specify properties of other machines as well. All the properties that are required during request, must be specified in the config file.

» More examples

Simple deployment of a CentOS Linux host with 2 CPU's:

```
resource "vra7_deployment" "machine" {
  count                = 1
  catalog_item_name = "CentOS 7.0 x64"
  resource_configuration = {
    Linux.cpu = "2"
  }
}
```

Catalog "multi_machine_catalog" contains Linux, Windows and http (apache) designs:

```
resource "vra7_deployment" "resource_1" {
  count          = 1
  catalog_item_name = "multi_machine_catalog"
  resource_configuration = {
    Windows.cpu = "2"           //Windows Machine CPU
    Linux.cpu = "2"             //Linux Machine CPU
    http.hostname = "xyz.com"    //HTTP (apache) hostname
    http.network_mode = "bridge" //HTTP (apache) network mode
  }
}
```

Showing the use of depends_on between two deployments:

Here the second resource, machine2 is dependent on the resource, machine1. So, machine2 will be provisioned after machine1.

```
resource "vra7_deployment" "machine1" {
  count          = 1
  catalog_item_name = "CentOS 7.0 x64"
}

resource "vra7_deployment" "machine2" {
  count          = 1
  catalog_item_name = "CentOS 7.0 x64"
  depends_on = ["vra7_deployment.machine1"]
}
```