



# Migration to Terraform v12

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- things are new in terraform v12

# What is new terraform v12

# What is new: syntax, first-class expressions [1]

old

```
resource "libvirt_volume" "main_disk" {  
  name           = "${terraform.workspace}-${var.name}${var.count > 1 ? "-${count.index + 1}" : ""}-main-disk"  
  base_volume_name = "${var.base_configuration["use_shared_resources"] ? "" : terraform.workspace}-baseimage"  
  pool           = "${var.base_configuration["pool"]}"  
  count          = "${var.count}"  
}
```

NEW


```
resource "libvirt_volume" "main_disk" {  
  name           = "${terraform.workspace}-${var.name}${var.host_count > 1 ? "-${count.index + 1}" : ""}-main-disk"  
  base_volume_name = var.base_configuration["use_shared_resources"] ? "" : "${terraform.workspace}-baseimage"  
  pool           = var.base_configuration["pool"]  
  count          = var.host_count  
}
```

String interpolation use this  
syntax "\$var1 \$var2"



# What is new: for/for\_each and dynamic blocks [2]

```
resource "libvirt_domain" "domain" {  
  name      = "${terraform.workspace}-${var.name}${var.host_count > 1 ? "-${count.index + 1}" : ""}"  
  memory    = var.memory  
  vcpu      = var.vcpu  
  count      = var.host_count  
  qemu_agent = true  
  dynamic "disk" {  
    for_each = [  
      {  
        "vol_id" = element(libvirt_volume.main_disk.*.id, count.index)  
      },  
      {  
        "vol_id" = element(libvirt_volume.hana_disk.*.id, count.index)  
      },  
    ]  
    content {  
      volume_id = disk.value.vol_id  
    }  
  },  
}
```



```
disk {  
  volume_id = "${libvirt_volume.%s.id}"  
}  
disk {  
  volume_id = "${libvirt_volume.%s.id}"  
}
```

a separate disk block were written for each element of the list or map

## Further details:

**Refer to this for more details:**

<https://www.hashicorp.com/blog/hashicorp-terraform-0-12-preview-for-and-for-each>



# Releases: <https://github.com/SUSE/ha-sap-terraform-deployments/releases>

Latest release

v2.0.0

c1b0bb2

Verified

## Terraform v.0.12

MalloZup released this 3 days ago

Changelog:

Major updates:

- Update the terraform to tf12

Minor updates:

- improve various documentation
- improve syntax

Notes:

This version contains 6 modules, a later refactoring will simplify the design for libvirt and the rest of providers

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Source code (zip)

Source code (tar.gz)

v1.5.0

a94248d

Verified

## Terraform 0.11 stable

MalloZup released this 13 days ago · 50 commits to master since this release

This is a stable release before migration to terraform 0.12

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