```
 1  # demo instance
 2  resource "azurerm_virtual_machine" "demo-instance-1" {
 3    name                    = "${var.prefix}-vm"
 4    location                = var.location
 5    resource_group_name     = azurerm_resource_group.demo.name
 6    network_interface_ids   = [azurerm_network_interface.demo-instance-1.id]
 7    vm_size                 = "Standard_A1_v2"
 8
 9    # this is a demo instance, so we can delete all data on termination
10    delete_os_disk_on_termination = true
11    delete_data_disks_on_termination = true
12
13    storage_image_reference {
14      publisher = "Canonical"
15      offer     = "UbuntuServer"
16      sku       = "16.04-LTS"
17      version   = "latest"
18    }
19    storage_os_disk {
20      name              = "myosdisk1"
21      caching           = "ReadWrite"
22      create_option     = "FromImage"
23      managed_disk_type = "Standard_LRS"
24    }
25    os_profile {
26      computer_name  = "demo-instance"
27      admin_username = "demo"
28    }
29    os_profile_linux_config {
30      disable_password_authentication = true
31      ssh_keys {
32        key_data = file("mykey.pub")
33        path     = "/home/demo/.ssh/authorized_keys"
34      }
35    }
36  }
37
38  resource "azurerm_network_interface" "demo-instance-1" {
39    name                    = "${var.prefix}-instance1"
40    location                = var.location
41    resource_group_name     = azurerm_resource_group.demo.name
42    # from terraform-provider-azurerm >2.0 we need to put this in a seperate resource
43    # see azurerm_network_interface_security_group_association below
44    # network_security_group_id = azurerm_network_security_group.allow-ssh.id
45
46    ip_configuration {
47      name                          = "instance1"
48      subnet_id                     = azurerm_subnet.demo-internal-1.id
49      private_ip_address_allocation = "Dynamic"
50      public_ip_address_id          = azurerm_public_ip.demo-instance-1.id
51    }
52  }
53
54  resource "azurerm_network_interface_security_group_association" "demo-instance-1" {
55    network_interface_id      = azurerm_network_interface.demo-instance-1.id
56    network_security_group_id = azurerm_network_security_group.allow-ssh.id
57  }
58
59
60  resource "azurerm_public_ip" "demo-instance-1" {
```

```
61      name                        = "instance1-public-ip"
62      location                    = var.location
63      resource_group_name         = azurerm_resource_group.demo.name
64      allocation_method           = "Dynamic"
65  }
66
67  resource "azurerm_application_security_group" "demo-instance-group" {
68    name                = "internet-facing"
69    location            = var.location
70    resource_group_name = azurerm_resource_group.demo.name
71  }
72
73  resource "azurerm_network_interface_application_security_group_association" "demo-
    instance-group" {
74    network_interface_id        = azurerm_network_interface.demo-instance-1.id
75    application_security_group_id = azurerm_application_security_group.demo-instance-
      group.id
76  }
77
78  # demo instance 2
79  resource "azurerm_virtual_machine" "demo-instance-2" {
80    name                  = "${var.prefix}-vm-2"
81    location              = var.location
82    resource_group_name   = azurerm_resource_group.demo.name
83    network_interface_ids = [azurerm_network_interface.demo-instance-2.id]
84    vm_size               = "Standard_A1_v2"
85
86    # this is a demo instance, so we can delete all data on termination
87    delete_os_disk_on_termination = true
88    delete_data_disks_on_termination = true
89
90    storage_image_reference {
91      publisher = "Canonical"
92      offer     = "UbuntuServer"
93      sku       = "16.04-LTS"
94      version   = "latest"
95    }
96    storage_os_disk {
97      name              = "myosdisk2"
98      caching           = "ReadWrite"
99      create_option     = "FromImage"
100     managed_disk_type = "Standard_LRS"
101   }
102   os_profile {
103     computer_name  = "demo-instance"
104     admin_username = "demo"
105   }
106   os_profile_linux_config {
107     disable_password_authentication = true
108     ssh_keys {
109       key_data = file("mykey.pub")
110       path     = "/home/demo/.ssh/authorized_keys"
111     }
112   }
113 }
114
115 resource "azurerm_network_interface" "demo-instance-2" {
116   name                  = "${var.prefix}-instance2"
117   location              = var.location
118   resource_group_name   = azurerm_resource_group.demo.name
```

```
119    # from terraform-provider-azurerm >2.0 we need to put this in a seperate resource
120    # see azurerm_network_interface_security_group_association below
121    # network_security_group_id = azurerm_network_security_group.internal-facing.id
122
123    ip_configuration {
124      name                        = "instance2"
125      subnet_id                   = azurerm_subnet.demo-internal-1.id
126      private_ip_address_allocation  = "Dynamic"
127    }
128  }
129
130  resource "azurerm_network_interface_security_group_association" "demo-instance-2" {
131    network_interface_id      = azurerm_network_interface.demo-instance-2.id
132    network_security_group_id = azurerm_network_security_group.internal-facing.id
133  }
134
135
```