

Creating Multiple Providers



Ned Bellavance

MICROSOFT AZURE MVP

@ned1313 | nedinthecloud.com



Overview



Multiple providers in Azure

Using the Azure AD provider

Getting security connected



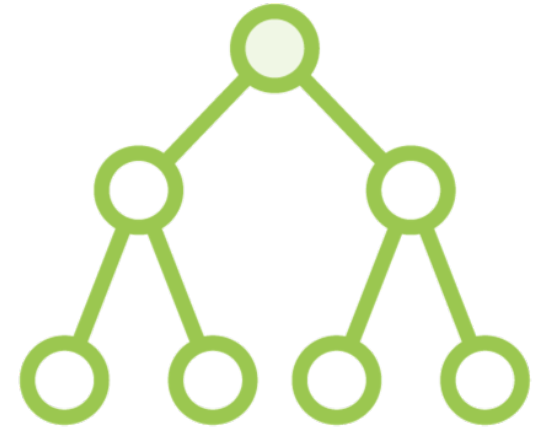
Azure Providers



Azure



Azure Stack



Azure Active Directory

Multiple Meanings

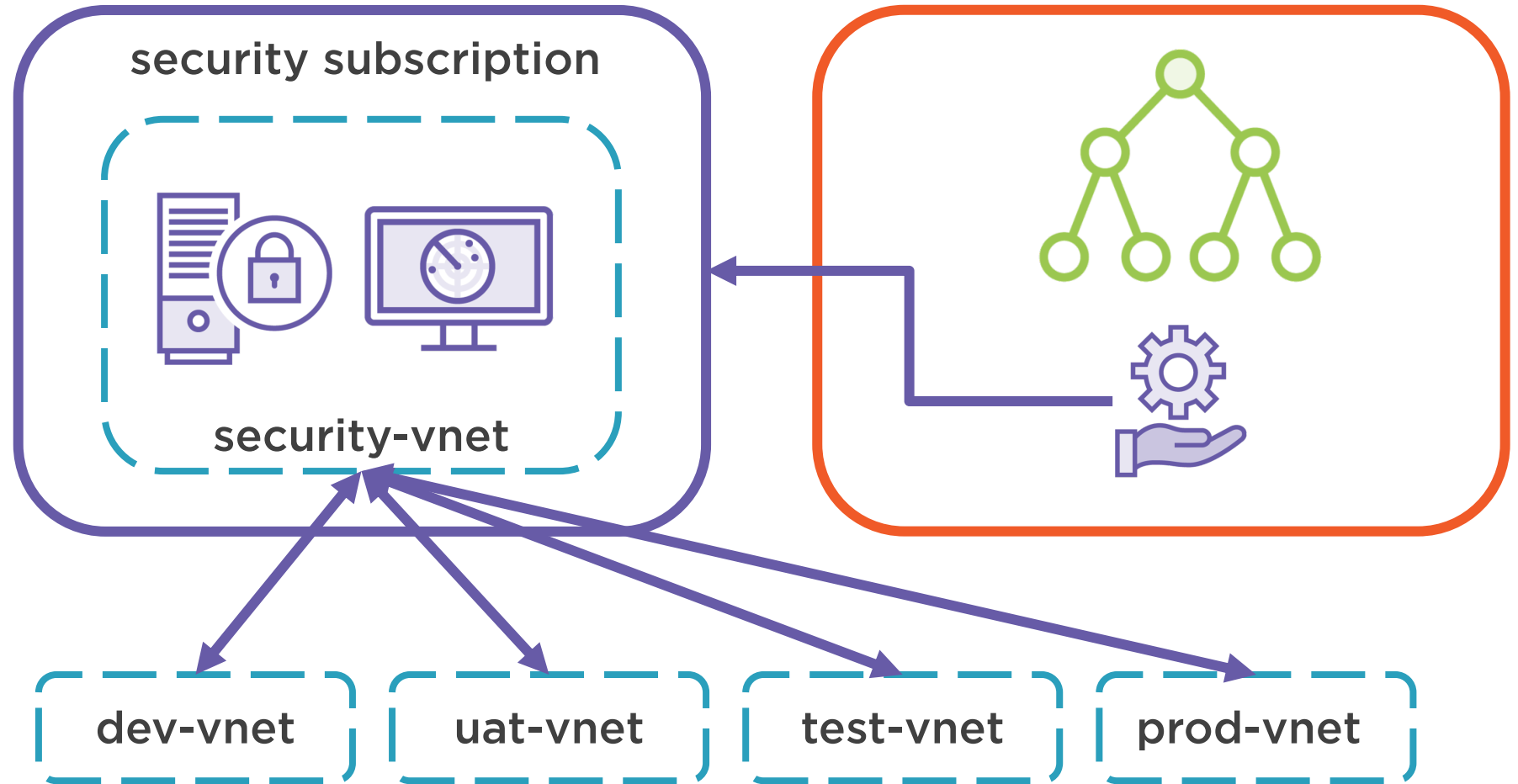


Multiple providers



Multiple instances

Security Network Deployment



Azure AD Provider

```
provider "azure_ad" {  
    version          = "=0.6.0"  
    subscription_id  = var.subscription_id  
    tenant_id        = var.tenant_id  
    client_id         = var.client_id  
}
```



Environment Variables

ARM_CLIENT_ID # Service principal ID

ARM_CLIENT_SECRET # Service principal secret

ARM_ENVIRONMENT # Azure environment: public, Gov., etc

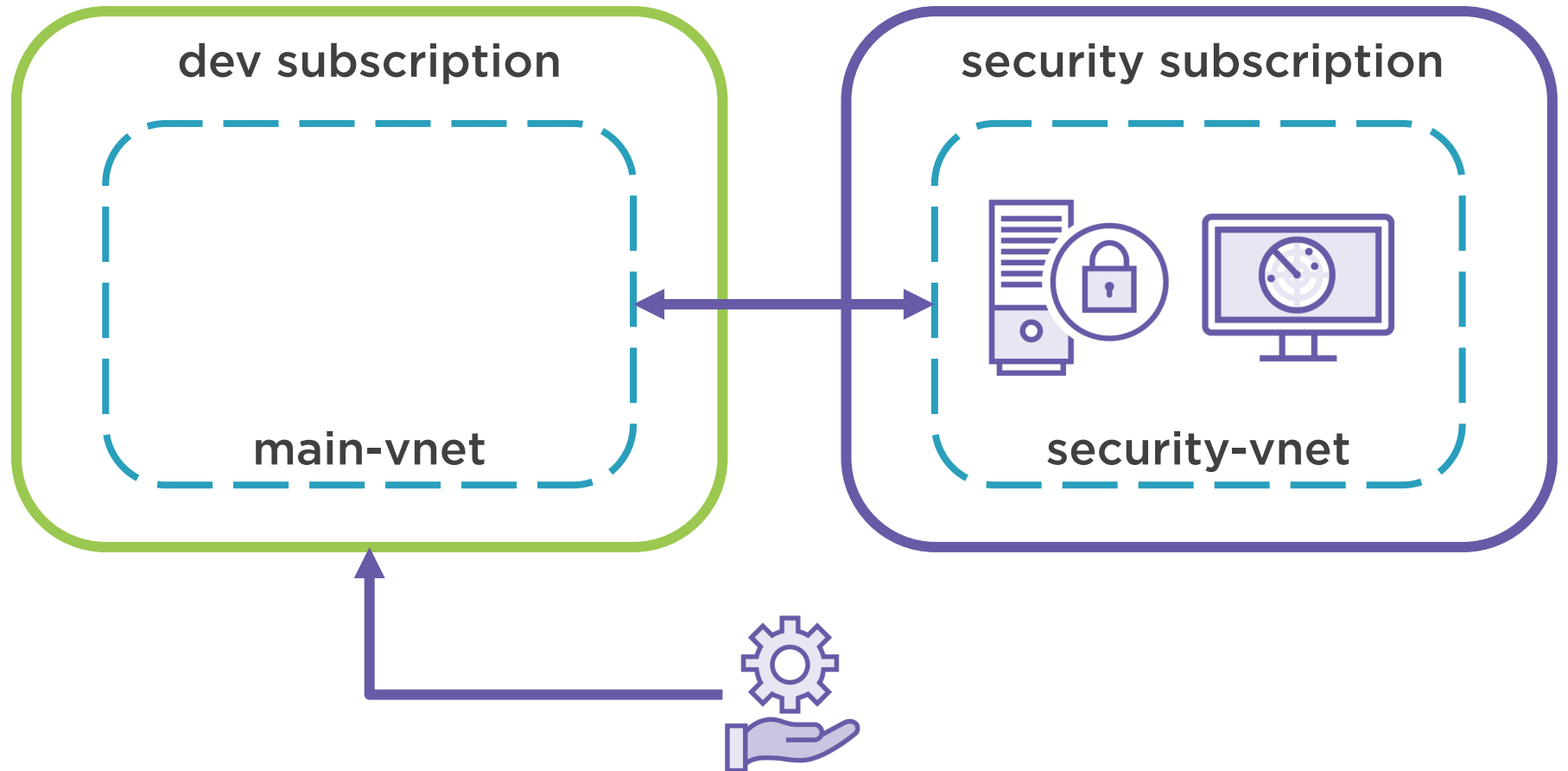
ARM_SUBSCRIPTION_ID # Azure subscription ID

ARM_TENANT_ID # Azure AD tenant ID for service principal

ARM_USE_MSI # Use Managed Service Identity



Virtual Network Peering



Multiple Azure RM Providers

```
provider "azurerm" {} #Default unless specified
```

```
provider "azurerm" {  
    alias          = "security"  
    subscription_id = var.sec_sub_id  
}
```

```
provider "azurerm" {  
    alias          = "peering"  
    subscription_id = var.main_sub_id  
}
```



Referencing Provider Aliases

```
resource "azurerm_resource_group" "sec" {  
    provider = azurerm.security  
}  
  
module "vnet" {  
    providers = {  
        azurerm = azurerm.security  
    }  
}
```



Summary



Multiple Azure providers

Aliases in resources and modules

Coming up:

- Azure storage for remote state
- Migrating state and backend config

