1. **Provider Configuration:**
   * Configure the azurerm provider to interact with Azure resources.
2. **Resource Group:**
   * Define an azurerm\_resource\_group resource to create a resource group named example-resources in the East US region.
3. **Virtual Network (VNet):**
   * Define an azurerm\_virtual\_network resource to create a VNet named example-vnet within the previously created resource group. The location and resource\_group\_name are set based on the azurerm\_resource\_group resource.
4. **Subnet:**
   * Define an azurerm\_subnet resource to create a subnet named example-subnet within the example-vnet virtual network. The resource\_group\_name and virtual\_network\_name are set based on the azurerm\_resource\_group and azurerm\_virtual\_network resources respectively.
5. **Outputs:**
   * Define outputs to display the IDs of the created resources.

**Cross-Resource Dependencies:**

Terraform automatically infers dependencies based on the references used in the configuration. In this example:

* The azurerm\_virtual\_network depends on the azurerm\_resource\_group because it references azurerm\_resource\_group.example.name and azurerm\_resource\_group.example.location.
* The azurerm\_subnet depends on both the azurerm\_resource\_group and azurerm\_virtual\_network because it references azurerm\_resource\_group.example.name and azurerm\_virtual\_network.example.name.