

20-01-2026

### Azure-Resource provisioning via TERRAFORM

1. Resource Group
2. Storage Account
3. Vnet
4. Subnet
5. VM

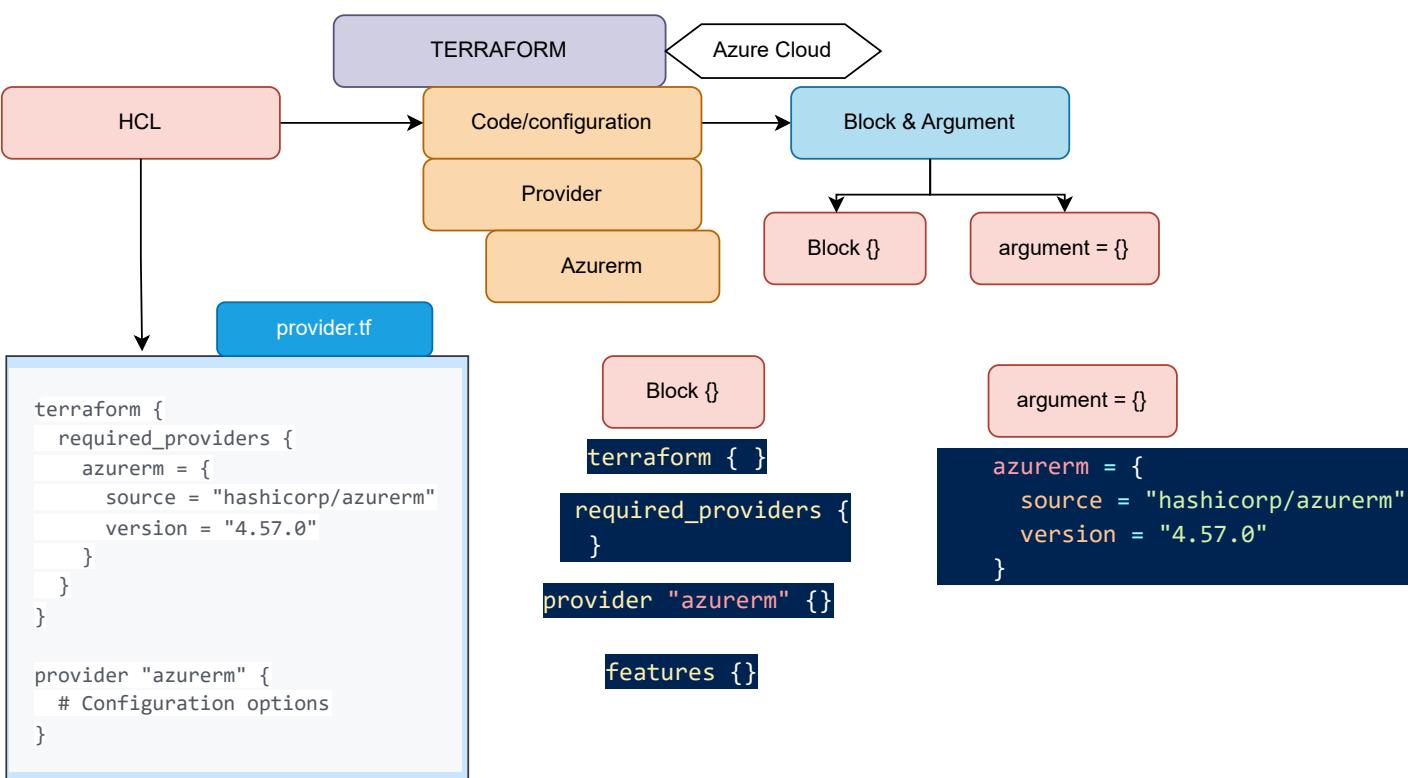
INFRA

### IMPORTANT TOOLS

1. Azure CLI
2. Visual Studio
3. Terraform
4. GIT

### TERRAFORM

Terraform is an open-source Infrastructure as Code (IaC) tool by HashiCorp that lets you define, provision, and manage cloud and on-premises resources (like VMs, storage, networks) using human-readable configuration files (HCL), enabling versioning, reusability, and safe, efficient management across multiple providers like AWS, Azure, and GCP through a declarative workflow (Write, Init, Plan, Apply). It automates the creation and modification of infrastructure, ensuring the actual state matches the desired state defined in code, reducing manual effort and complexity.



### Provisioning Resource Group using terraform

1. terraform init
2. terraform fmt
3. terraform validate
4. terraform plan
5. terraform apply
6. terraform destroy
7. terraform refresh
8. terraform state list
9. terraform apply -auto-approve
10. terraform destroy -auto-approve