

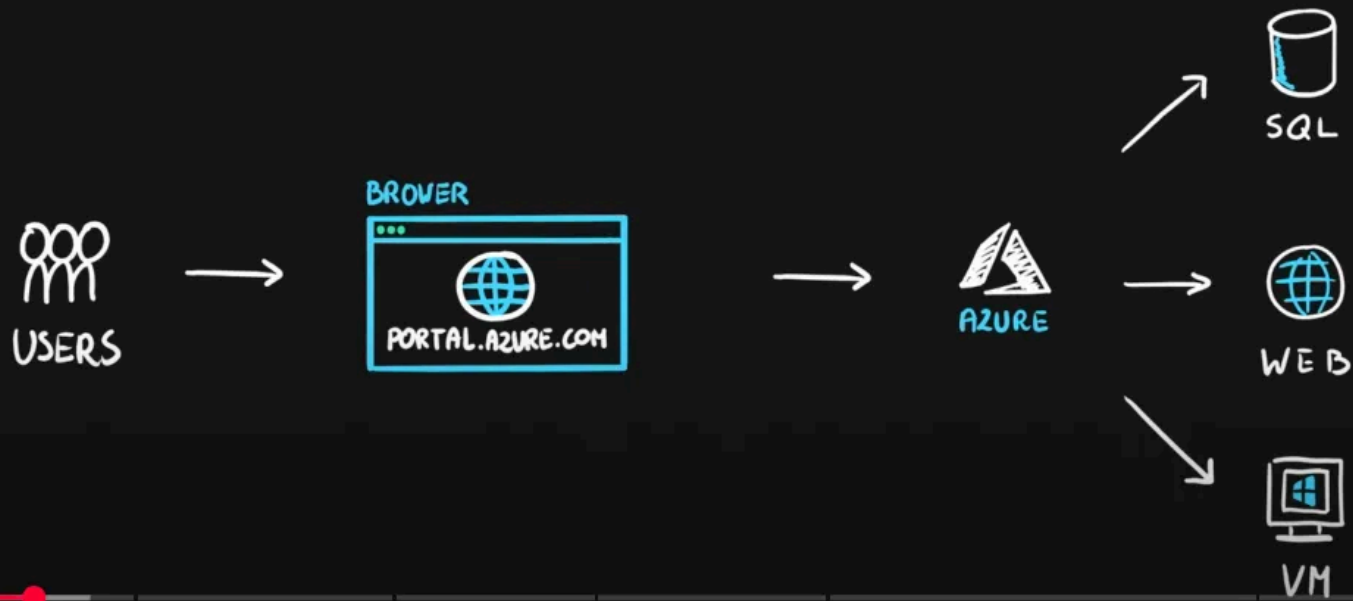
Azure Tools

- Describe Azure **tools** such as
 - Azure **Portal**
 - Azure **PowerShell**
 - Azure **CLI**
 - Azure **Cloud Shell**



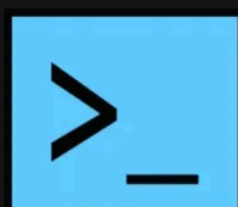
Azure Portal

Azure Portal



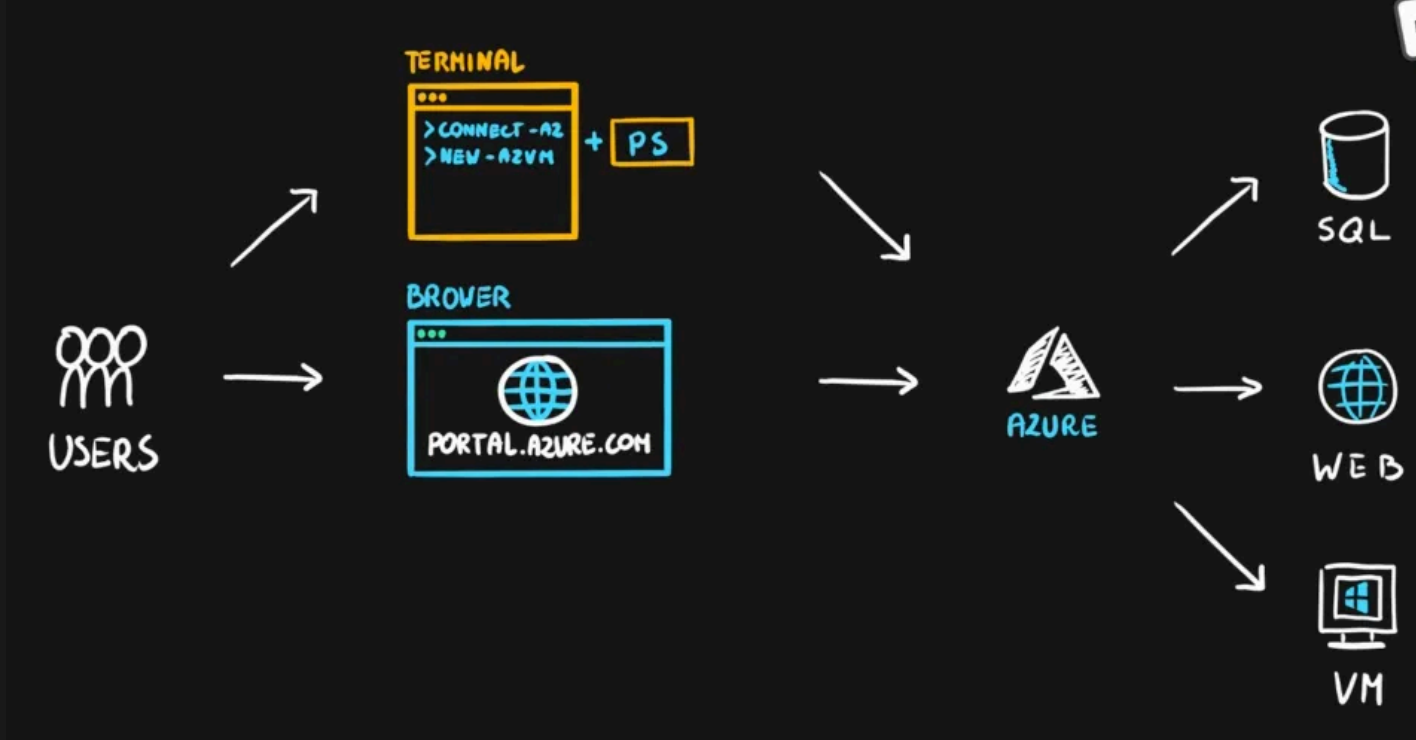
Key Characteristics

- Public **web-based interface** for management of Azure platform
- Designed for **self-service**
- Customizable
- Simple tasks



Azure PowerShell

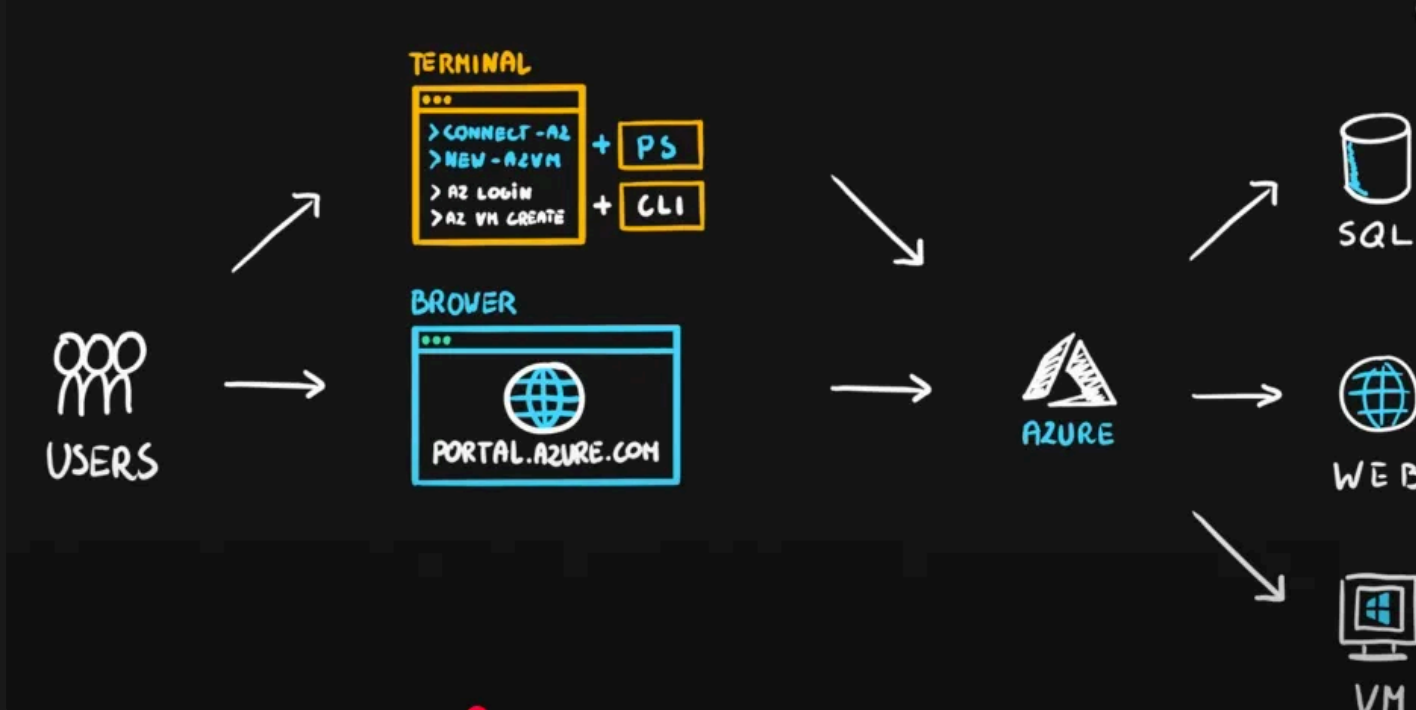
Azure PowerShell



Key Characteristics

- PowerShell and module
- Designed for automation
- Multi-platform with PowerShell Core
- Simple to use
 - `Connect-AzAccount` – log into Azure
 - `Get-AzResourceGroup` – list resource groups
 - `New-AzResourceGroup` – create new resource group
 - `New-AzVm` – create virtual machine

Azure CLI

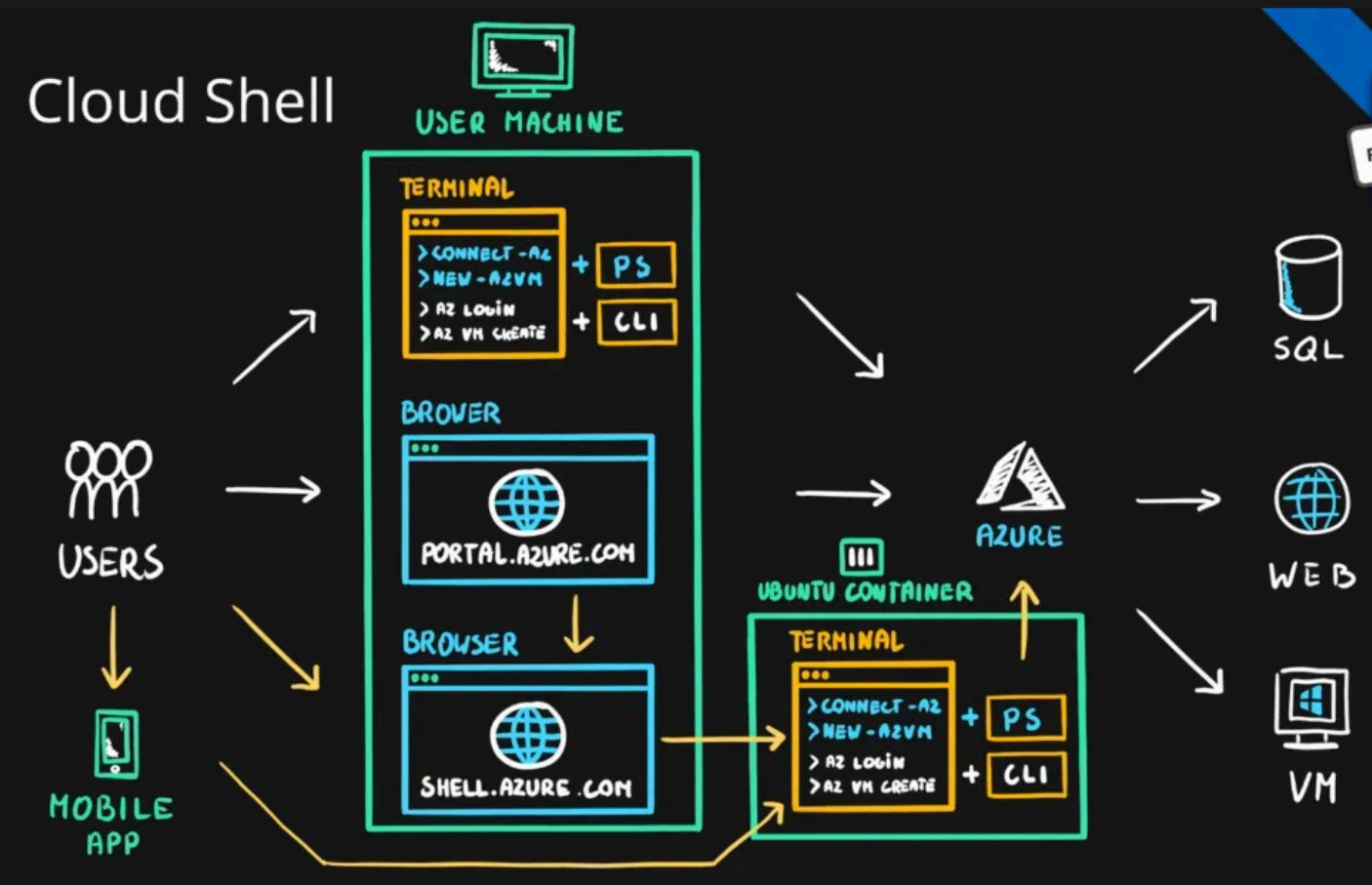


Key Characteristics

- Command Line Interface for Azure
- Designed for automation
- Multi-platform (Python)
- Simple to use
 - `az login` – log into Azure
 - `az group list` – list resource groups
 - `az group create` – create new resource group
 - `az vm create` – create virtual machine
- Native OS terminal scripting



Azure Cloud Shell



and docs (G+)

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DEFAULT DIRECTORY

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```
Bash
Type "az" to use Azure CLI
Type "help" to learn about Cloud Shell

adam@Azure:~$ az group list -o table
Name
-----
cloudshell
NetworkWatcherRG
vscs
az-900-vm
az-900-aci
az-900-appservice
az-900-networking
az-900-storage
az-900-sql
az-900-ml
az-900-bigdata
databricks-rg-az900databricks-rwardylimdnay
az-900-devops
az-900-devtest-labs3517310543000
az-900-devtest-labs3280528466001
az-900
az-900-logic-apps
vmdemo
adam@Azure:~$
```

Name	Location	Status
cloudshell	westeurope	Succeeded
NetworkWatcherRG	westeurope	Succeeded
vscs	westeurope	Succeeded
az-900-vm	westeurope	Succeeded
az-900-aci	westeurope	Succeeded
az-900-appservice	westeurope	Succeeded
az-900-networking	westeurope	Succeeded
az-900-storage	westeurope	Succeeded
az-900-sql	westeurope	Succeeded
az-900-ml	westeurope	Succeeded
az-900-bigdata	westeurope	Succeeded
databricks-rg-az900databricks-rwardylimdnay	westeurope	Succeeded
az-900-devops	westeurope	Succeeded
az-900-devtest-labs3517310543000	westeurope	Succeeded
az-900-devtest-labs3280528466001	westeurope	Succeeded
az-900	northeurope	Succeeded
az-900-logic-apps	northeurope	Succeeded
vmdemo	northeurope	Succeeded

```
Bash
az-900-networking
az-900-storage
az-900-sql
az-900-ml
az-900-bigdata
databricks-rg-az900databricks-rwardylimdnay
az-900-devops
az-900-devtest-labs3517310543000
az-900-devtest-labs3280528466001
az-900
az-900-logic-apps
vmdemo
adam@Azure:~$ az group create --name az-900cli --location northeurope
{
  "id": "/subscriptions/1a2cde19-3af3-4c1d-b5fc-37d7704b9033/resourceGroups/az-900cli",
  "location": "northeurope",
  "managedBy": null,
  "name": "az-900cli",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
adam@Azure:~$
```

Key Characteristics

- Cloud-based [scripting environment](#)
- Completely [free](#)
- Supports both Azure [PowerShell](#) and Azure [CLI](#)
- Dozen of [additional tools](#)
- Multiple client interfaces
 - [Azure Portal integration](#) (portal.azure.com)
 - [Shell Portal](#) (shell.azure.com)
 - [Visual Studio Code Extension](#)
 - [Windows Terminal](#)
 - [Azure Mobile App](#)
 - [Microsoft Docs integration](#)

Summary

- [Azure Portal](#) – Web based portal for self-service management of Azure platform
- [Azure CLI](#) – automation module for terminal