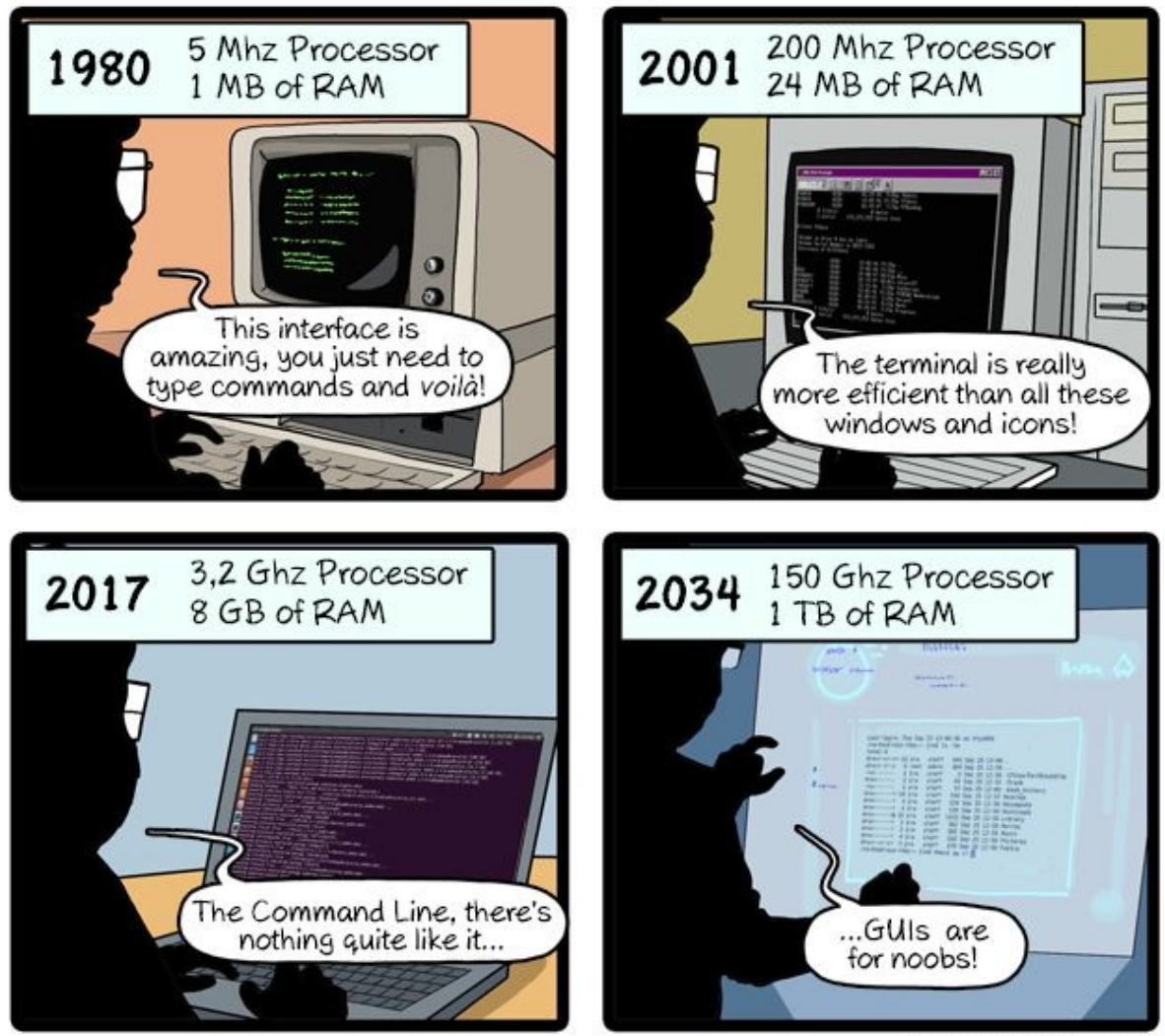
Azure Deployment Stacks

Wat zijn deployment stacks

- Betere manier om resources te deployen
  - State management
  - Resource protection



CommitStrip.com

Migratie van Azure CLI deployment

```
az deployment group create
-g {resourceGroup}
--name {deploymentName}
--template-file {bicepPath}
```

```
az stack group create
-g {resourceGroup}
--name {stackName}
--template-file {bicepPath}
--deny-settings-mode None
--yes
```

Migratie van Azure Powershell deployment

```
AzResourceGroupDeployment
-ResourceGroupName {resourceGroup}
-Name {deploymentName}
-TemplateFile {bicepPath}
```

```
Set-AzSubscriptionDeploymentStack
-DeploymentResourceGroupName {resourceGroup}
-Name {stackName}
-TemplateFile {bicepPath}
-DenySettingsMode None
```

Deployment stacks - cheat sheet

```
az stack [mg|sub|group] create -g {resourceGroup} -name {stackName} --template-file {bicepPath} --deny-settings-mode [none|denyDelete|denyWriteAndDelete] --yes
```

Deleting instead of detaching

Resources: --delete-resources true

Resource groups: --delete-resource-groups true

Both: --delete-all true

!! Stacks cannot delete keyvault secrets. Use Detach mode if a secret is no longer in a bicep template

Working with templates

Template file: --template-file

Template url: --template-uri

Predeployed template: --template-spec

Passing param file: --parameters {path to param file}

Passing param cli: --parameters KEY=VALUE KEY=VALUE

--deny-settings-excluded-principals “{p1} {p2}”

Allows specific principals to still perform delete and modify actions even if the deny mode does not allow it. Max 5

!! For service principals use the objectId of the enterprise application

Public preview

- Stacks zijn in public preview sinds:

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https://learn.microsoft.com/en-us/azure/azure-resource-manager/bicep/deployment-stacks?tabs=azure-powershell#known-issues

- https://github.com/Azure/deployment-stacks