

# Azure Automation – Make the portal work for you

Barbara Forbes

IT Consultant @ SCCT

MCT || MVP Azure

4bes.nl

@Ba4bes



# Agenda

- PowerShell
- Azure CLI
- Cloud Shell
- ARM Templates



# Infrastructure as code

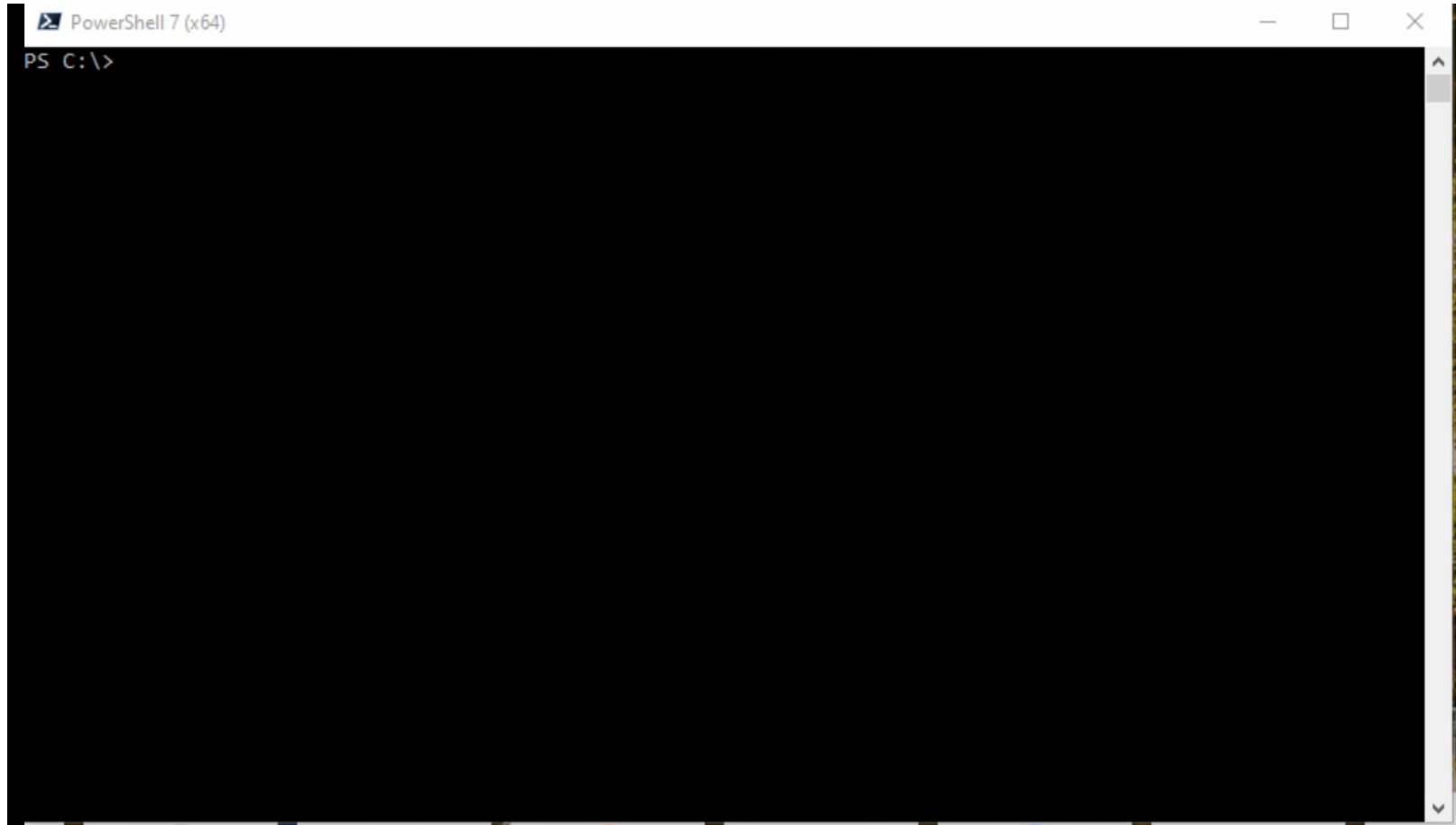
imperative | declarative



# PowerShell



- Handy and necessary
- AZ Module
  - Open Source
- AzureRM module
  - Legacy



# AZ CLI



# Cloud Shell

PowerShell | Bash | Az CLI | VSCode | Terraform | Puppet









# ARM Templates

## JSON Structure



# ARM Templates

```
{  
  "$schema": "https://schema.management.azure.com/  
schemas/2019-04-01/deploymentTemplate.json#",  
  "contentVersion": "1.0.0.0",  
  "parameters": { },  
  "variables": { },  
  "resources": [ ],  
  "outputs": { }  
}
```



# ARM Templates

Export Template



# ARM Templates

VSCode



# Sources

[https://github.com/Ba4bes/AA\\_MakethePortalWorkForYou](https://github.com/Ba4bes/AA_MakethePortalWorkForYou)

Azure PowerShell <https://github.com/Azure/azure-powershell>

Az CLI <https://github.com/Azure/azure-cli>

Azure Rest API <https://docs.microsoft.com/en-us/rest/api/azure/>

ARM template VSCode extension

<https://marketplace.visualstudio.com/items?itemName=msazurermttools.azurearm-vscode-tools>





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