

# Session 16

## Advanced automation tooling

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# Housekeeping

- ❑ Please keep yourself muted unless you are participating in the conversation, so we can have a more clear recording.
- ❑ If you have questions – don't hesitate and ask.

# Automation tooling

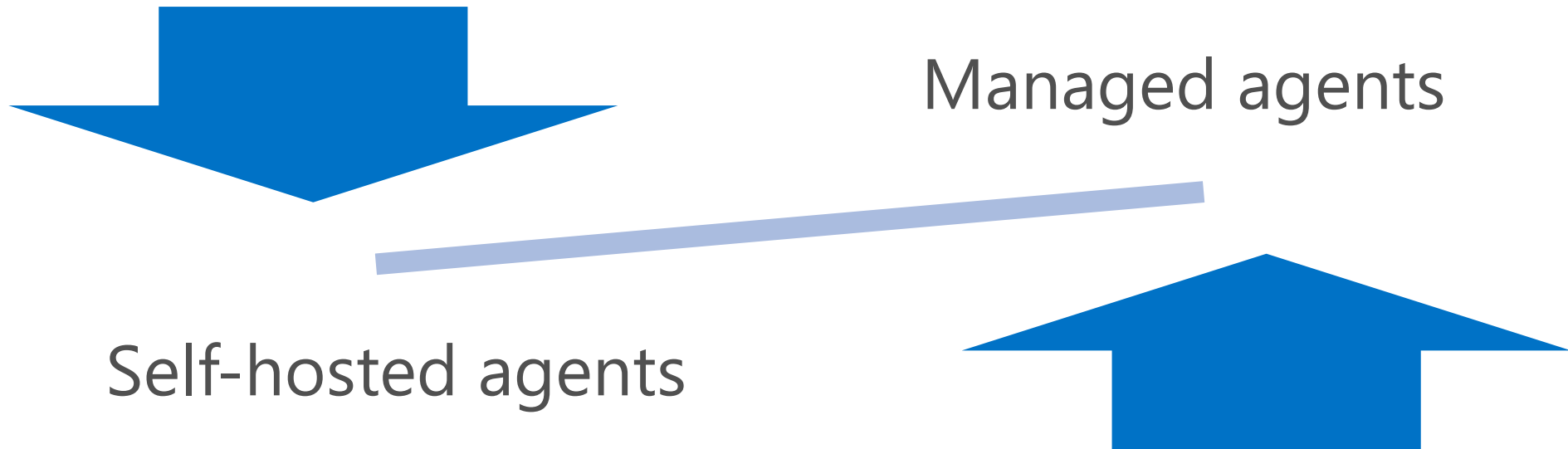


# Automation

Infrastructure automation

Build automation

Release automation





# DEMO

Azure DevOps pipelines





# DEMO

Azure Container Registry

# Management API





```
az deployment group create  
  --resource-group myRG  
  --template-file template.json  
  --no-wait
```





# DEMO

Azure Custom Deployment

# Questions?



# Homework

# Do (1)

- Create infrastructure templates using ARM, Bicep and Terraform.
- Create templates for Azure Container Registry.

## Do (2)

- Create Docker images with Node.JS SDK and .NET SDK.
- Push Docker images for NodeJS and .NET SDK to newly created Azure Container Registry.

## Do (3)

Run Azure DevOps pipelines in Docker containers pulled from Azure Container Registry.



## Do (4)

Create templates to enable Static Websites on Azure Storage using custom script deployment.

# Deadline

Recommended – by the  
end of the day 14.09.2022



Maximum – by the end of  
the day 16.09.2022

