



November 13-15, Oslo Spektrum

# Petter Arnesen

## Cloud Architect – Sopra Steria

Microsoft Dev Box – Just another virtual desktop solution?



# Questions

- What is it?
- How does it work?
- What separates it?

Demo

# What is Dev Box?

# What is Dev Box?

- Virtual desktop solution

# What is Dev Box?

- Virtual desktop solution
  - With benefits

# What is Dev Box?

- Virtual desktop solution
  - With benefits
- Built upon Windows 365



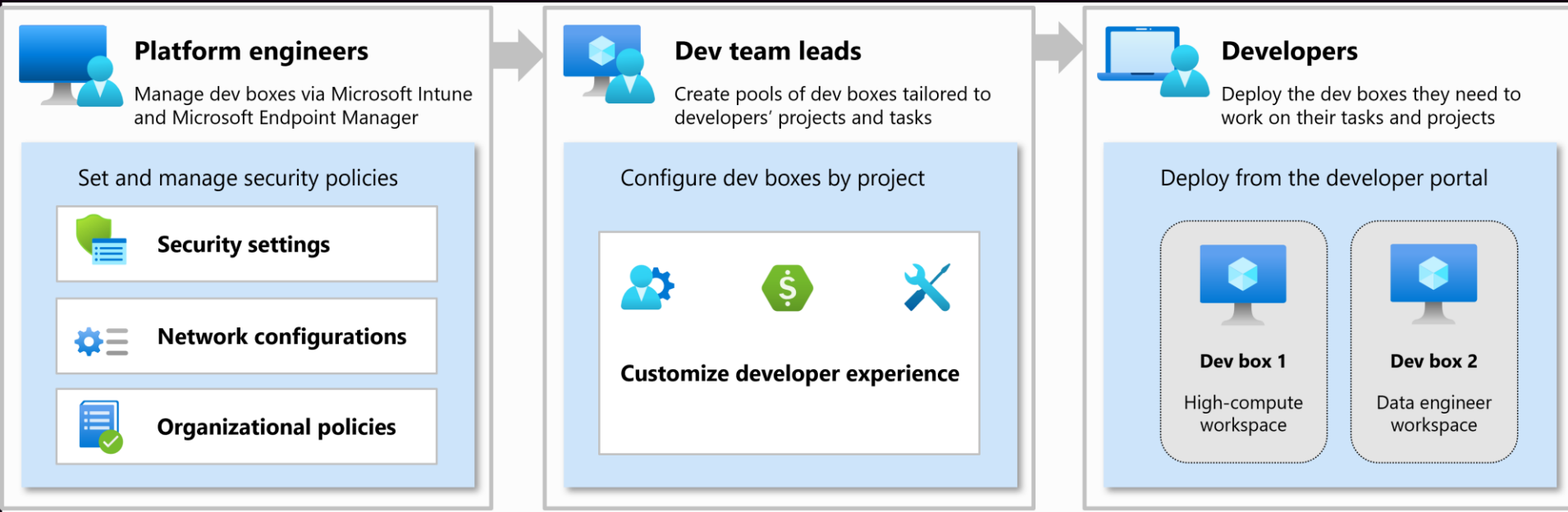
# What is Dev Box?

- Virtual desktop solution
  - With benefits
- Built upon Windows 365
- More flexible than W365, simpler than AVD

# What is Dev Box?

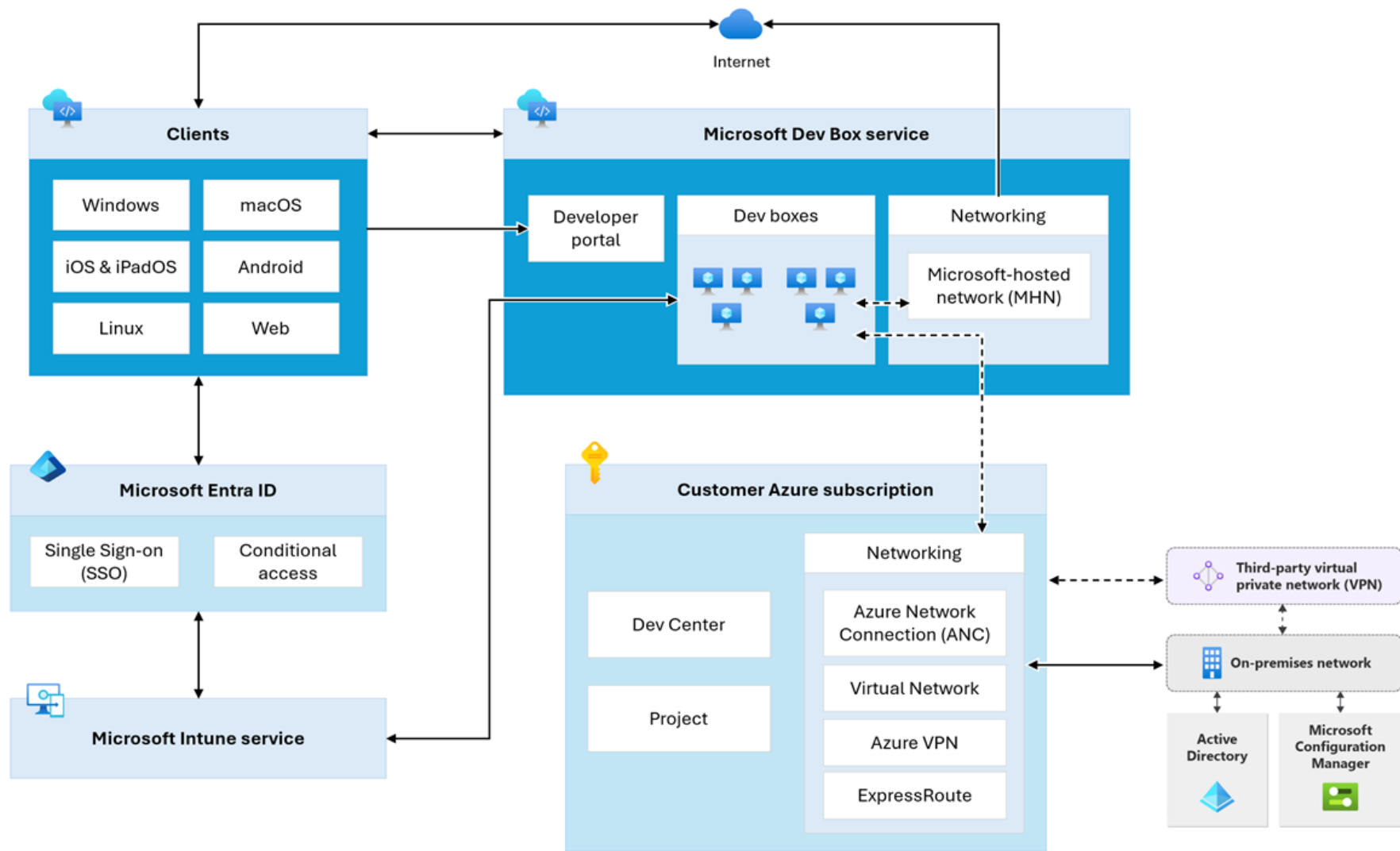
- Virtual desktop solution
  - With benefits
- Built upon Windows 365
- More flexible than W365, simpler than AVD
- Designed for separation of duties

# What is Dev Box?



How does it work?

# How does it work?



# How does it work?



Dev center 1

# How does it work?



Dev center 1

Project 1-1



# How does it work?



Dev center 1

Project 1-1

Dev box definition 1

# How does it work?



Dev center 1

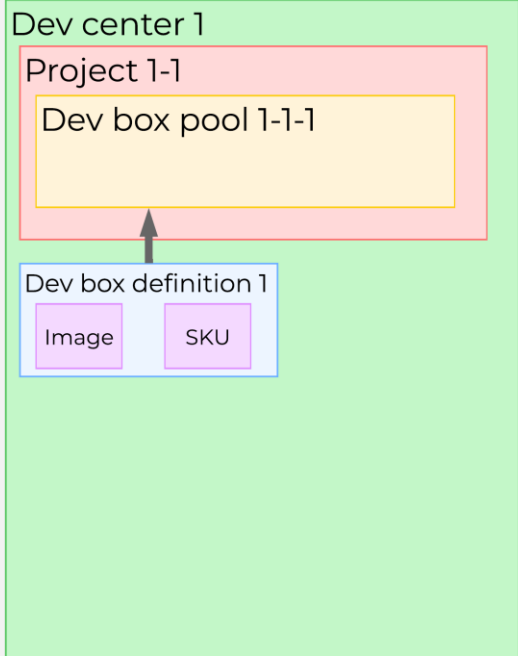
Project 1-1

Dev box definition 1

Image

SKU

# How does it work?



# How does it work?



Dev center 1

Project 1-1

Dev box pool 1-1-1



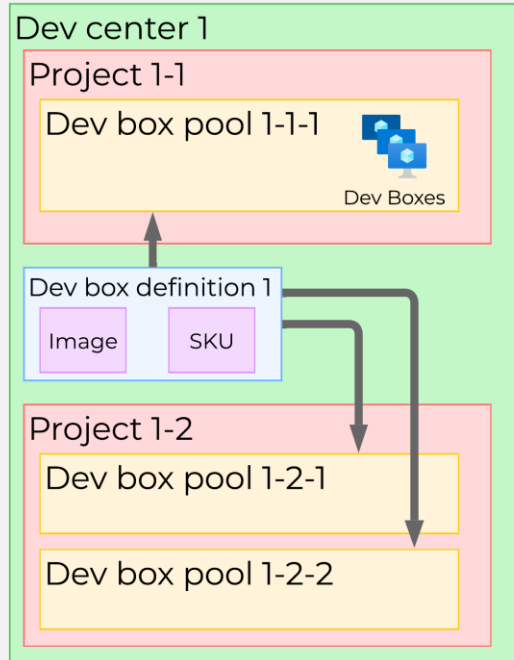
Dev Boxes

Dev box definition 1

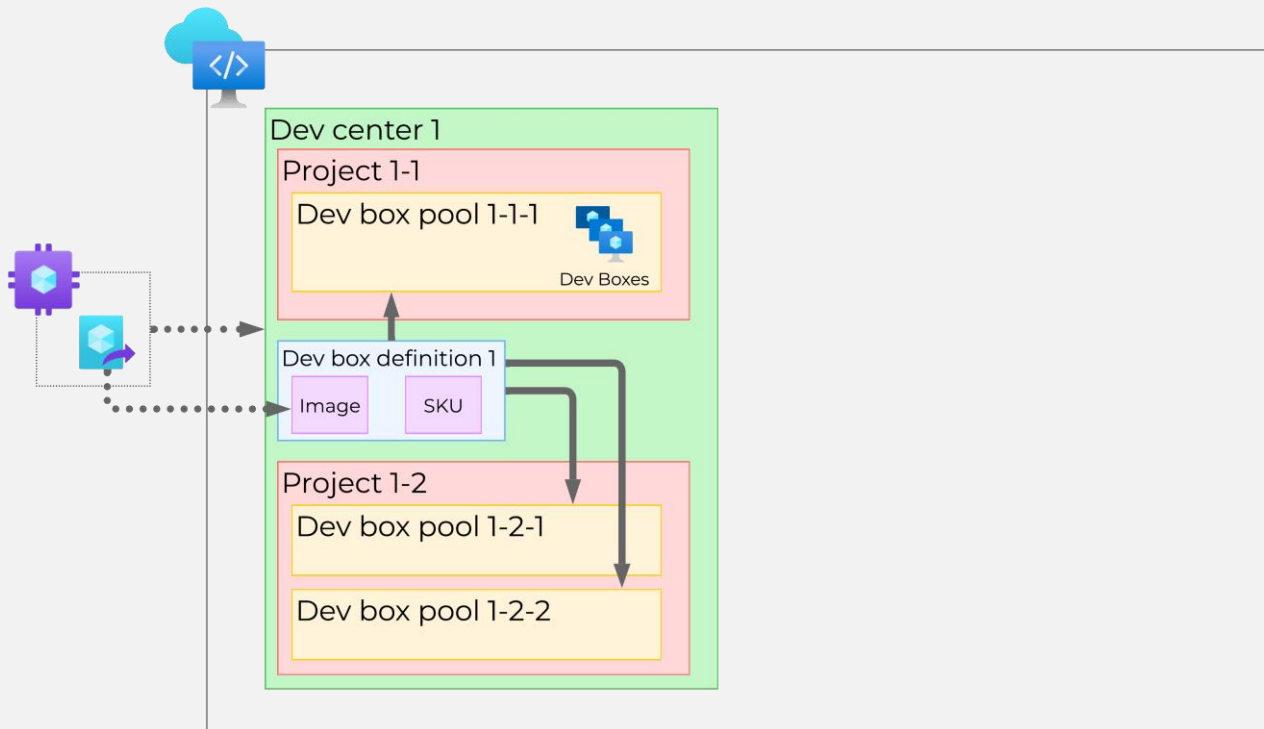
Image

SKU

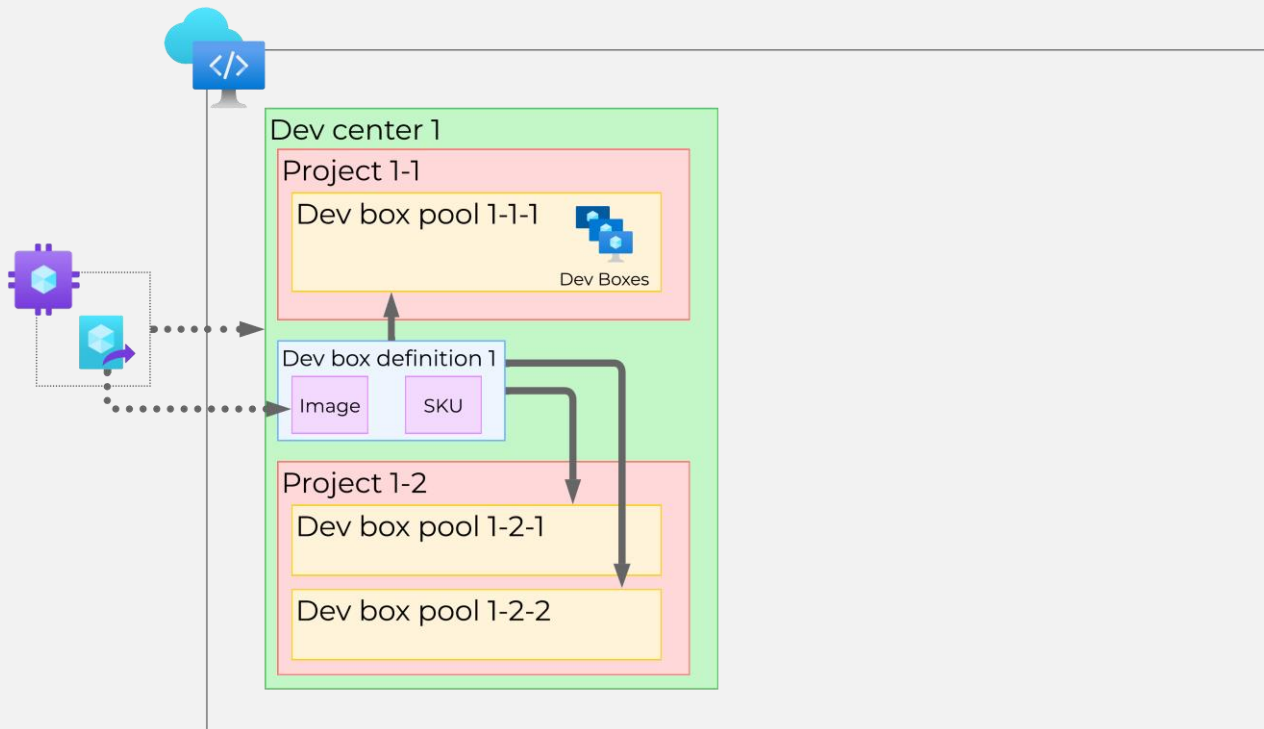
# How does it work?



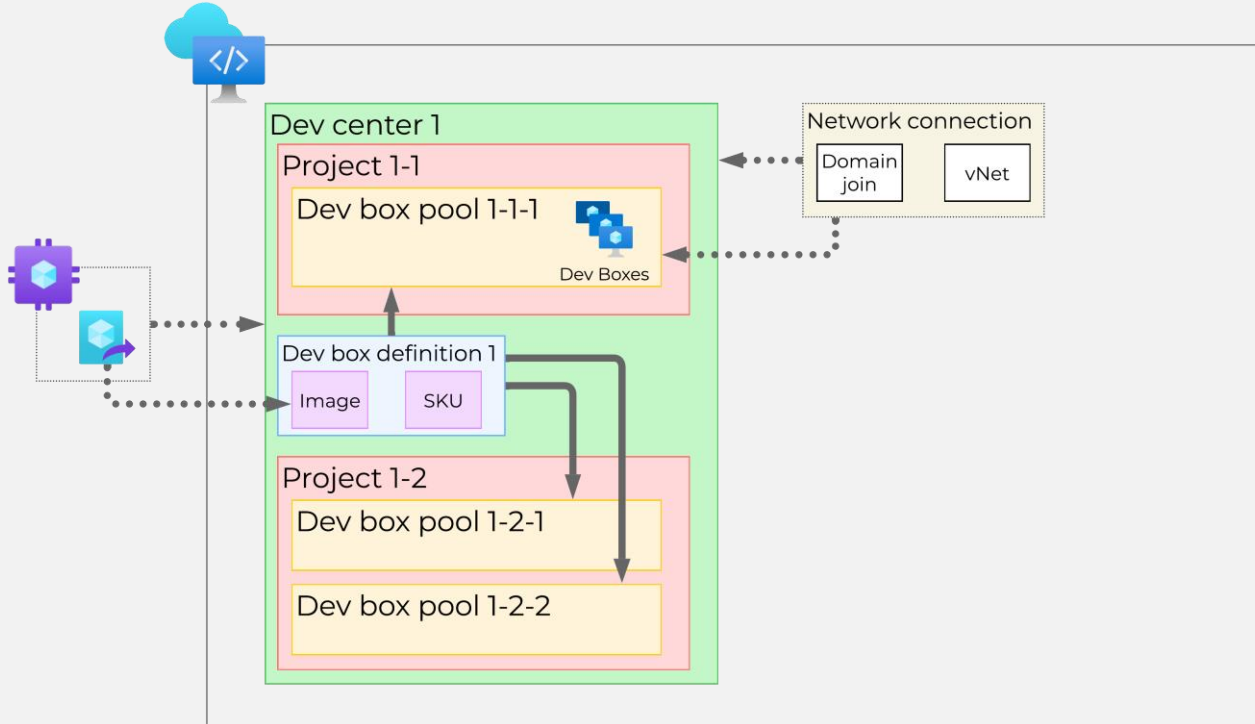
# How does it work?



# How does it work?

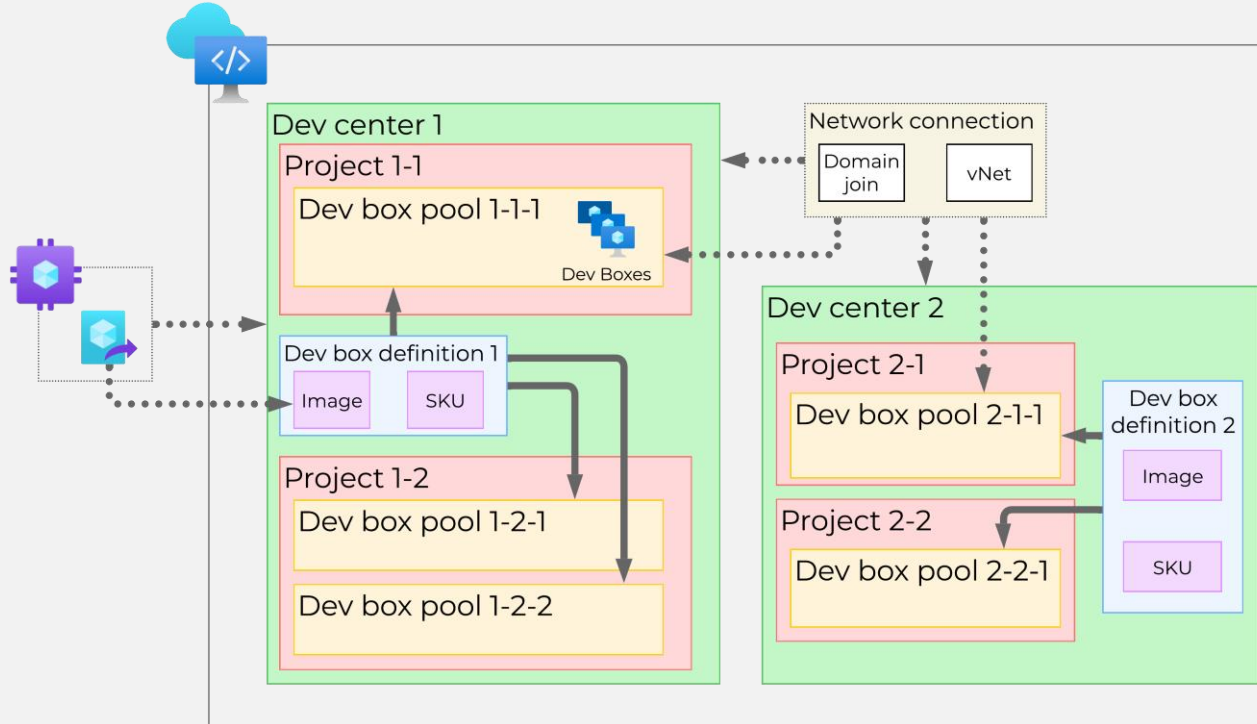


# How does it work?

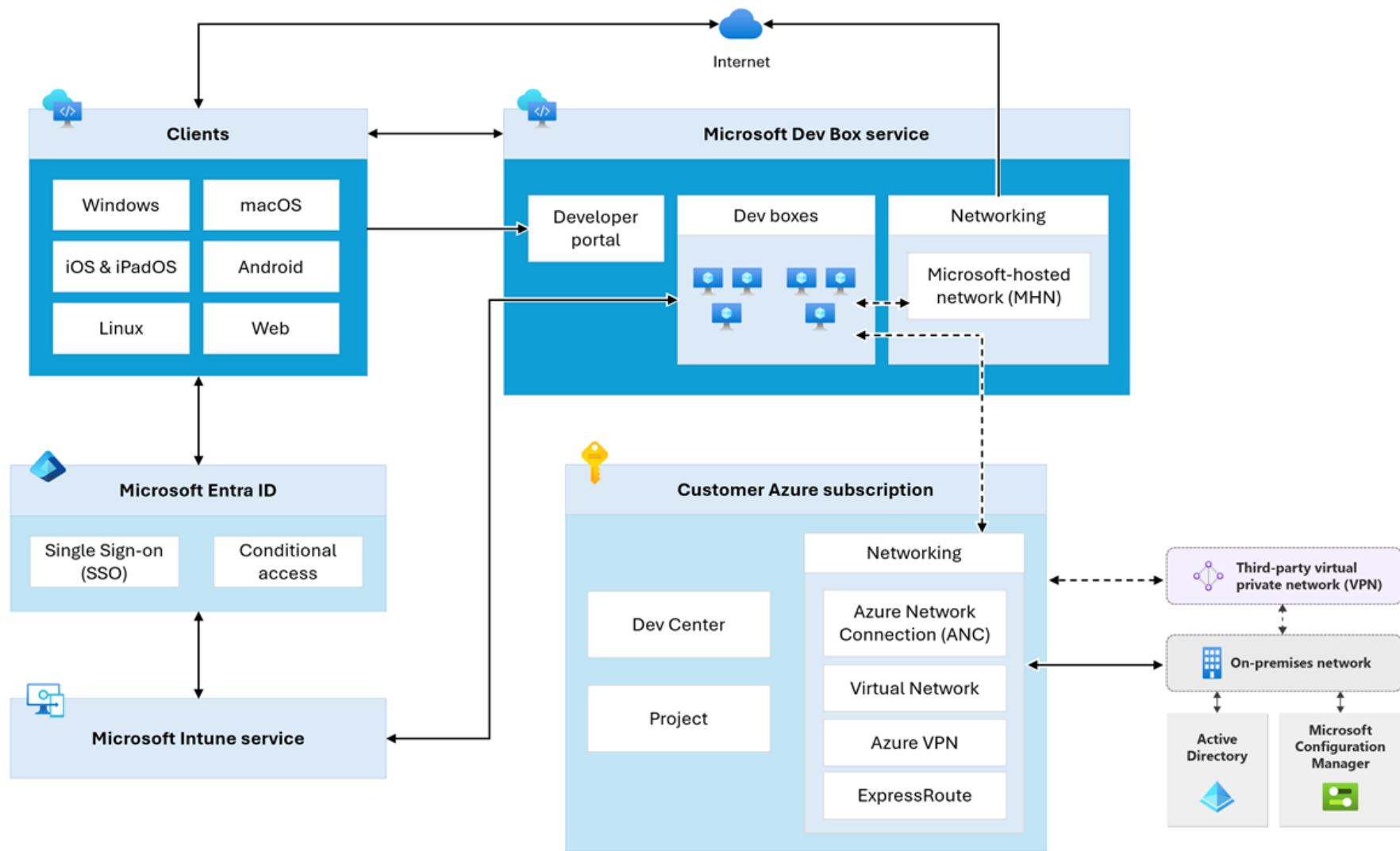




# How does it work?



# Demo



# How does it work?

- Platform (or IT)  
create and manage:
  - Surrounding infra  
(Entra, Intune,  
Subscriptions+++)
  - Dev Center
  - Dev box definitions
  - Network  
connections
  - Images
  - (Project)

# How does it work?

- Platform (or IT) create and manage:
  - Surrounding infra (Entra, Intune, Subscriptions+++)
  - Dev Center
  - Dev box definitions
  - Network connections
  - Images
  - (Project)
- Leads manage:
  - Projects
  - Dev box pools
  - Dev Boxes

# How does it work?

- Platform (or IT) create and manage:
  - Surrounding infra (Entra, Intune, Subscriptions+++)
  - Dev Center
  - Dev box definitions
  - Network connections
  - Images
  - (Project)
- Leads manage:
  - Projects
  - Dev box pools
  - Dev Boxes
- Devs

# How does it work?

- Platform (or IT) create and manage:
  - Surrounding infra (Entra, Intune, Subscriptions+++)
  - Dev Center
  - Dev box definitions
  - Network connections
  - Images
  - (Project)
- Leads manage:
  - Projects
  - Dev box pools
  - Dev Boxes
- Devs they dev

# How does it work?

- Platform (or IT) create and manage:
  - Surrounding infra (Entra, Intune, Subscriptions+++)
  - Dev Center
  - Dev box definitions
  - Network connections
  - Images
  - (Project)
- Leads manage:
  - Projects
  - Dev box pools
  - Dev Boxes
- Devs they dev



What separates it?

# What separates it?

# What separates it?

- Azure Deployment Environments

# What separates it?

- Azure Deployment Environments
- Customizations

# Azure Deployment Environments

# Azure Deployment Environments

*Azure Deployment Environments empowers development teams to quickly and easily spin up app infrastructure with project-based templates that establish consistency and best practices while maximizing security. This on-demand access to secure environments accelerates the stages of the software development lifecycle in a compliant and cost-efficient way.*

# Azure Deployment Environments

- Catalogs

# Azure Deployment Environments

- Catalogs (IaC templates)



# Azure Deployment Environments

- Catalogs (IaC templates)
- Per Dev Center or per Project

# Azure Deployment Environments

- Catalogs (IaC templates)
- Per Dev Center or per Project
- Points to GitHub or Azure DevOps repo

# Azure Deployment Environments

- Catalogs (IaC templates)
- Per Dev Center or per Project
- Points to GitHub or Azure DevOps repo
  - Requires environment.yaml

# Azure Deployment Environments

- Catalogs (IaC templates)
- Per Dev Center or per Project
- Points to GitHub or Azure DevOps repo
  - Requires environment.yaml
- Deployed to a new resource group

Demo

# Customizations

# Customizations

# Customizations

- Alternative to custom images



# Customizations

- Alternative to custom images
- Initiated by user

# Customizations

- Alternative to custom images
- Initiated by user
- YAML-based

# Customizations

- Alternative to custom images
- Initiated by user
- YAML-based
- Performs tasks

# Customizations

- Alternative to custom images
- Initiated by user
- YAML-based
- Performs tasks
- A bit dangerous?

Demo

Questions?

# Links

[youtube.com/pettertech](https://youtube.com/pettertech)

[aka.ms/devbox](https://aka.ms/devbox)

[aka.ms/devbox/learn](https://aka.ms/devbox/learn)

[aka.ms/devbox/quickstart](https://aka.ms/devbox/quickstart)

<https://github.com/PetterTech/DemoStuff/>

# Thank you!