

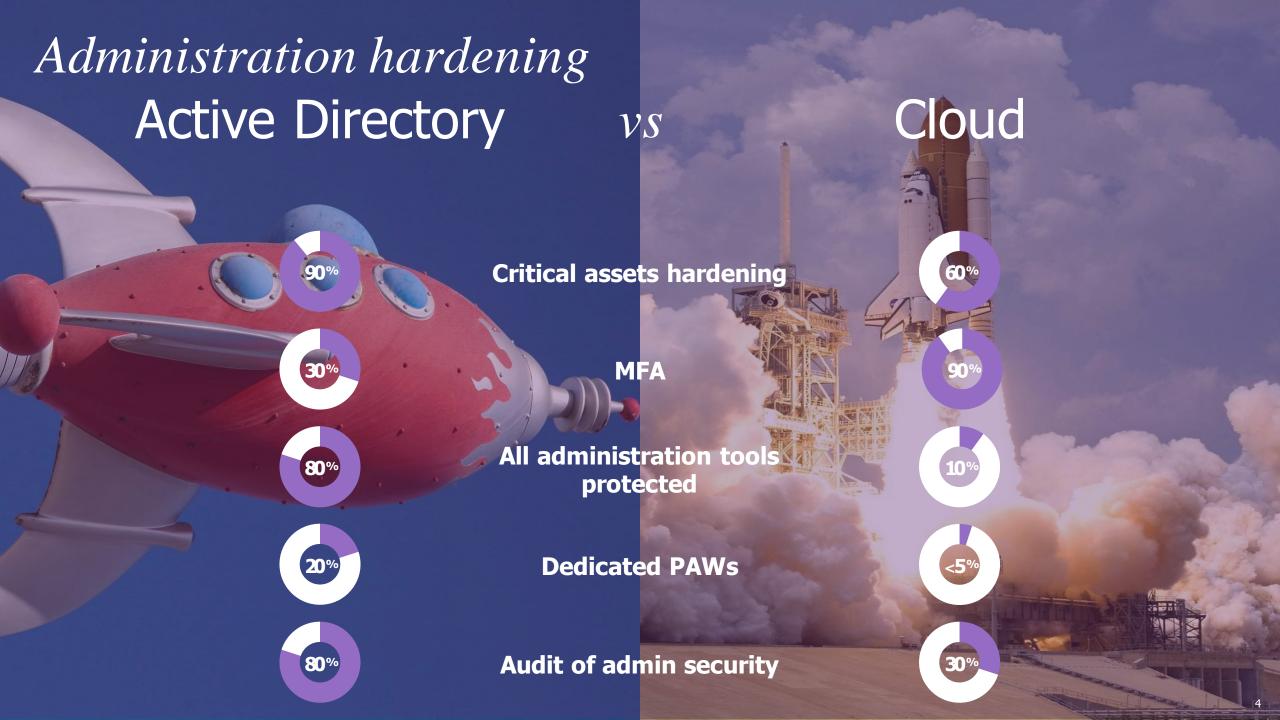
## Is your Cloud administration secure?



## Administration hardening 90 % **Critical assets hardening (Tier 0)** Active Directory 30 % **MFA** 80 % All administration tools protected 20 % **Dedicated PAWs**

80%

**Audit of admin security** 



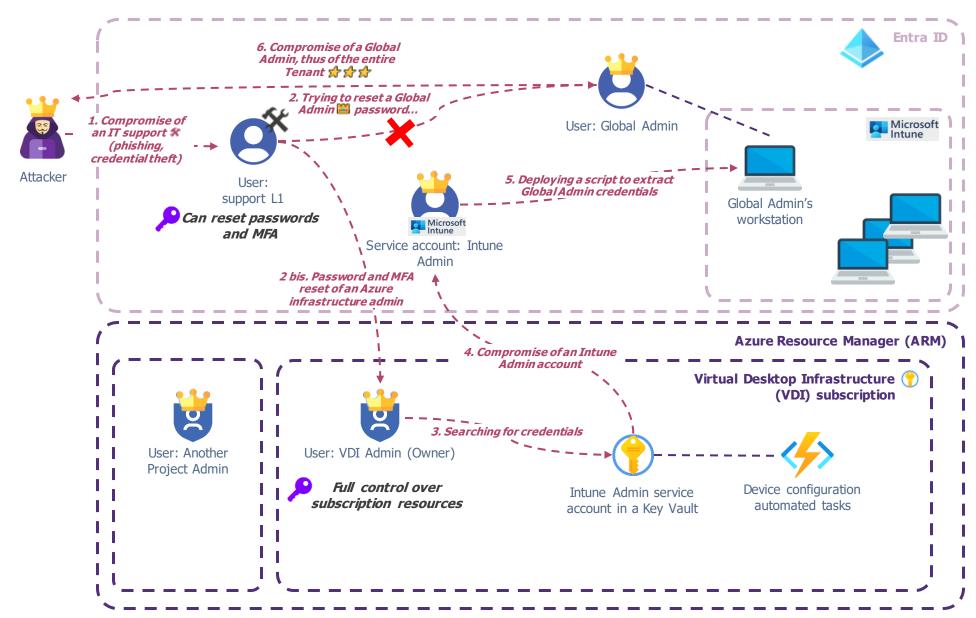


Is the compromise of Cloud as critical as the compromise of AD?





## What just happened?



## A Cloud Admin can do worse than an AD admin!

Network

Emails, meetings and documents

Windows VM and also Linux VM

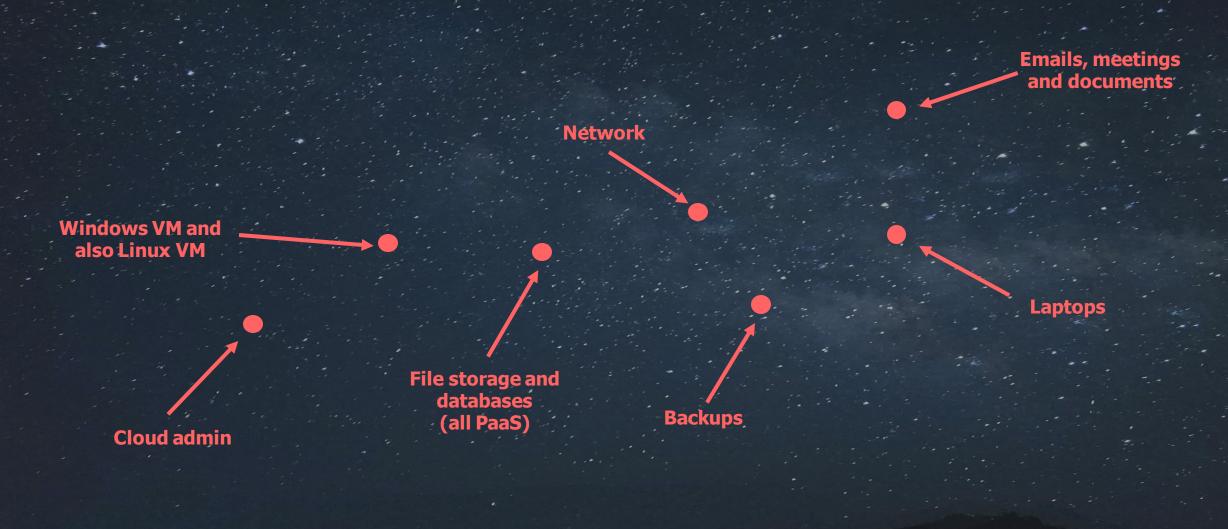
File storage and databases (all PaaS)

Backups

Laptops

**Cloud admin** 

### A Cloud Admin can do worse than an AD admin!





# Why Active Directory 3-tier model?

## On-premise infrastructure

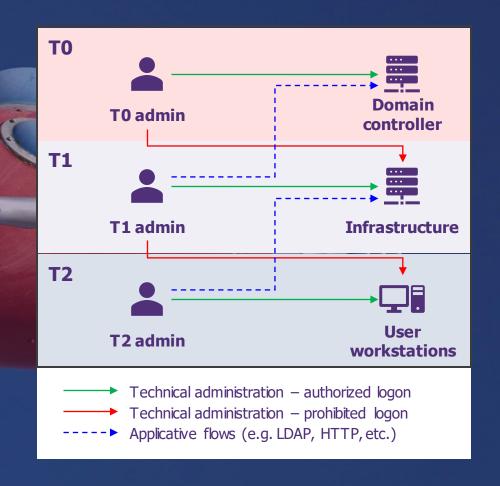
To ensure the **compromise** of a **lower tier** (T2) will **not affect** a **higher tier** (T1, T0)

**Isolation** requires

Dedicated admin accounts

Dedicated assets

Dedicated network

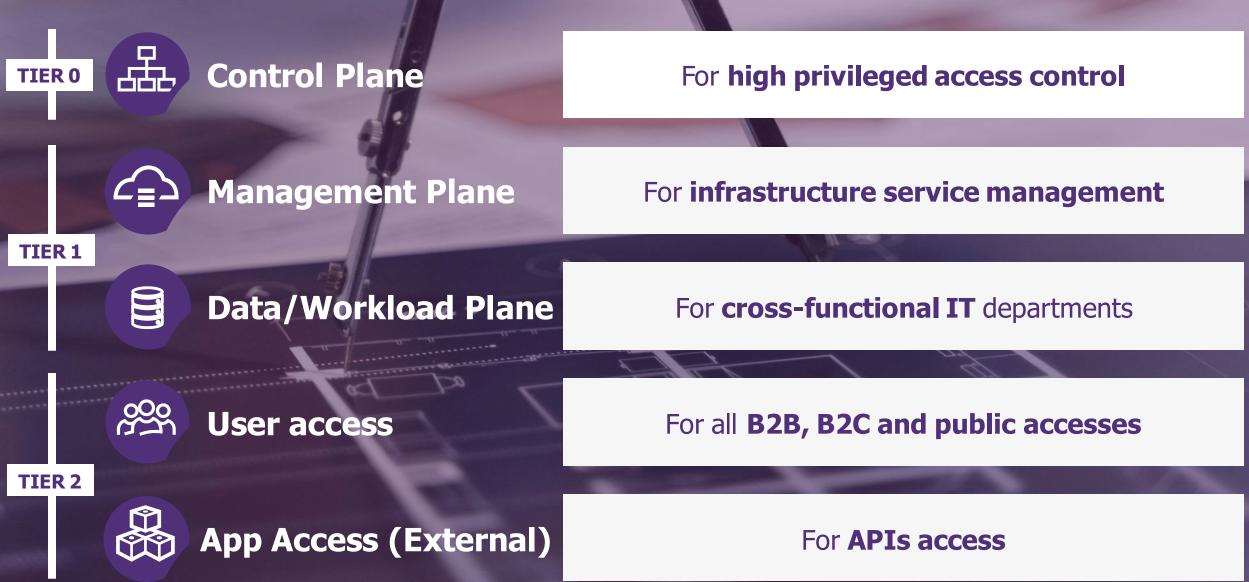


## Why is the 3-tier model not applicable as is for the Cloud?



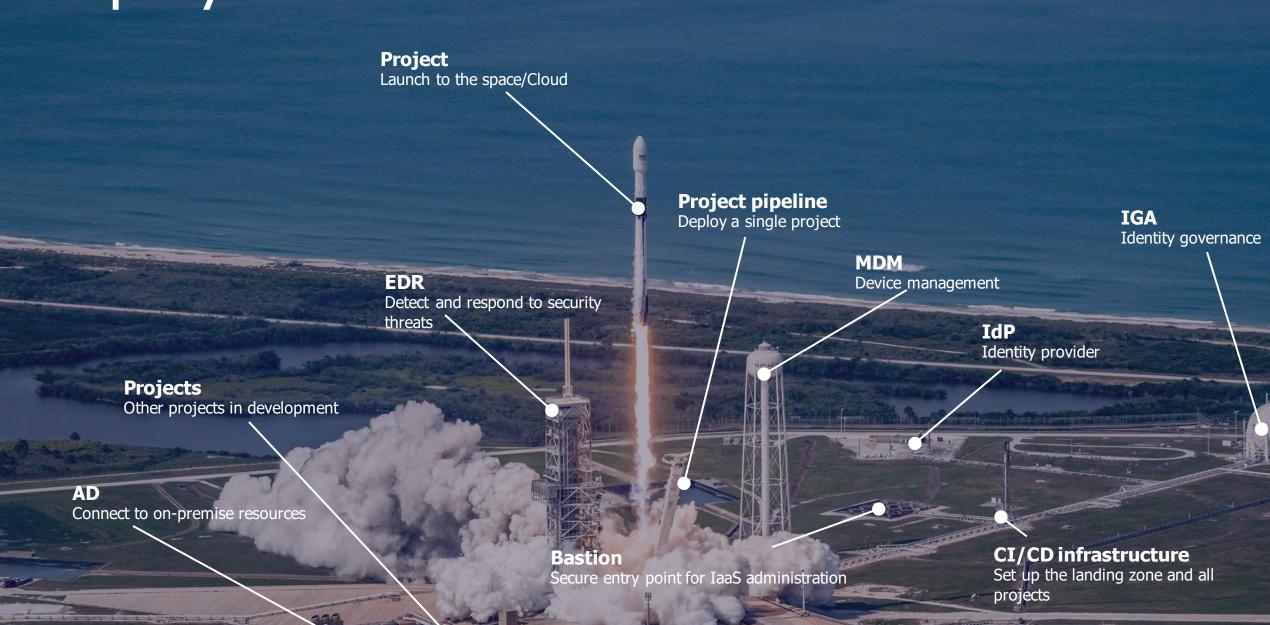
### A new model by Microsoft:

## Enterprise Access Model



# Scope your Control Plane What is *systemic* for your *IS*? Accept to lose a single rocket but not the whole space center

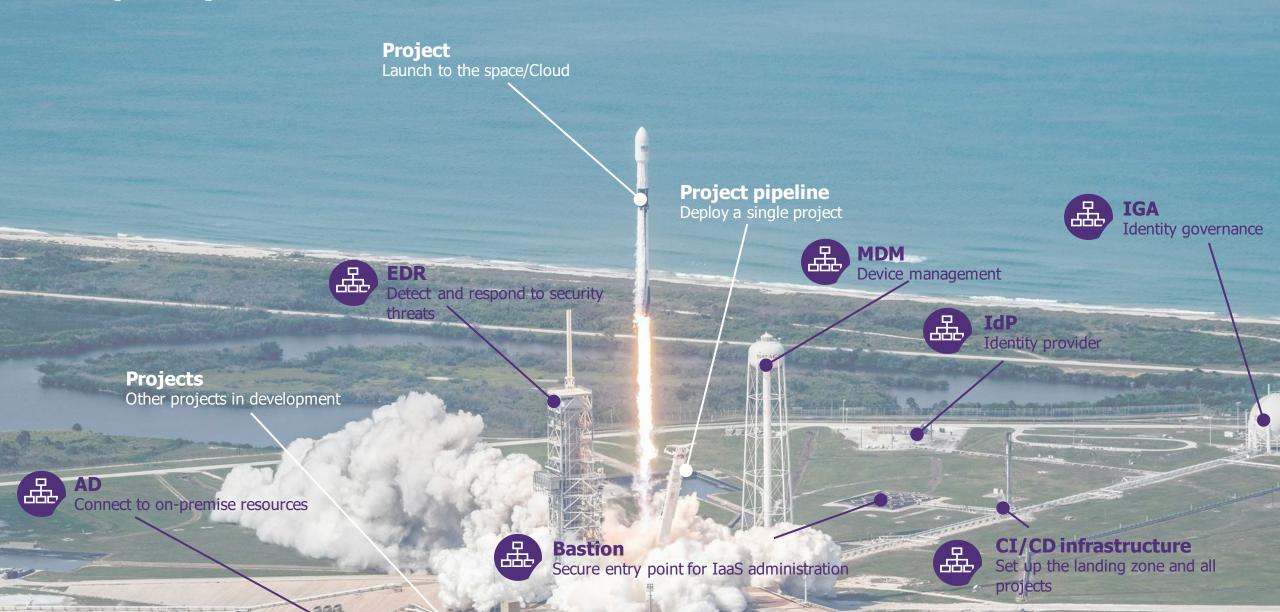
## Scope your Control Plane



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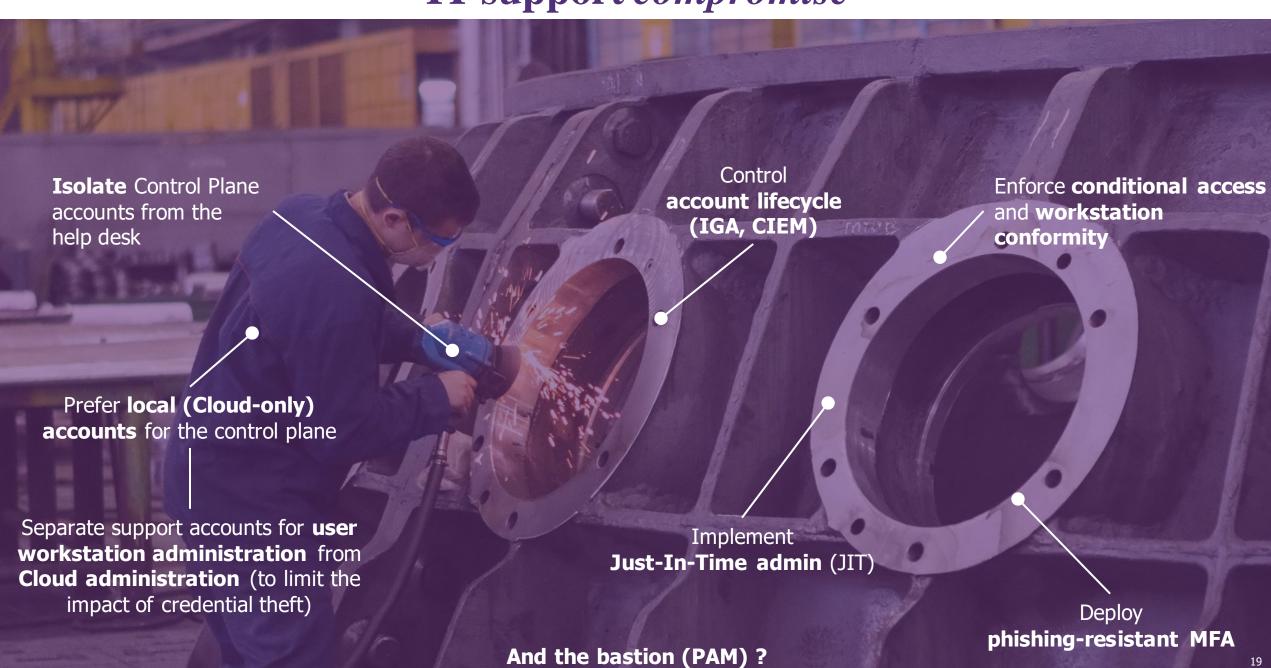
## Scope your Control Plane



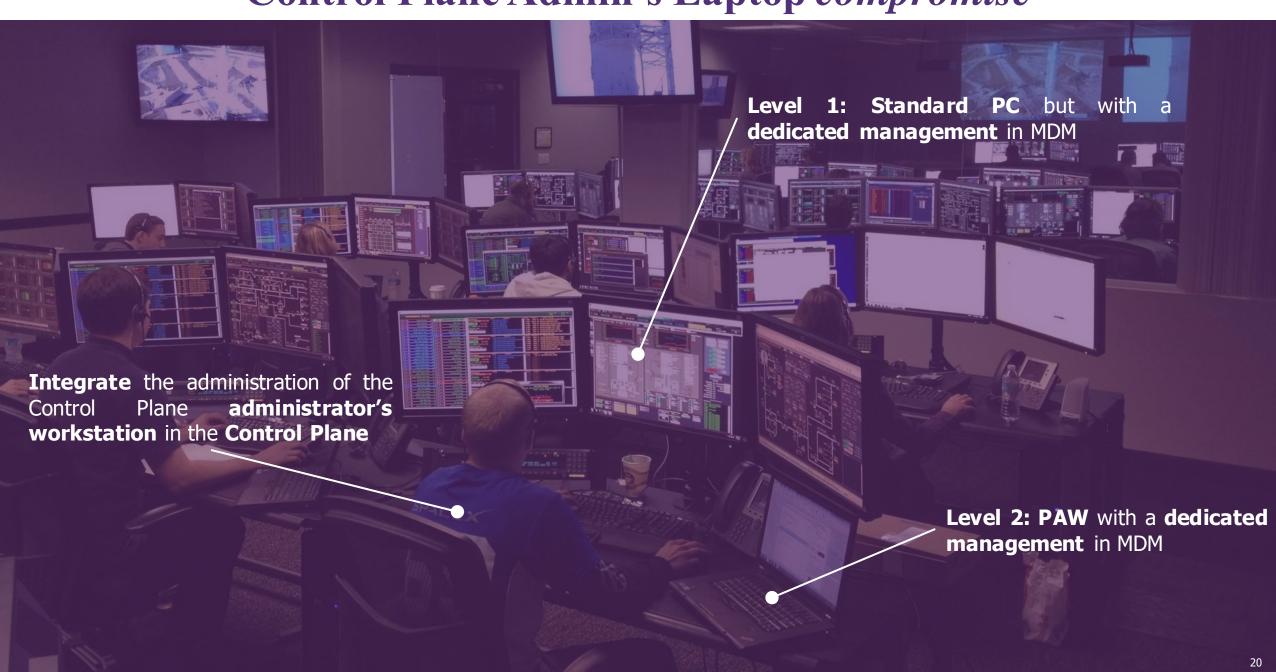




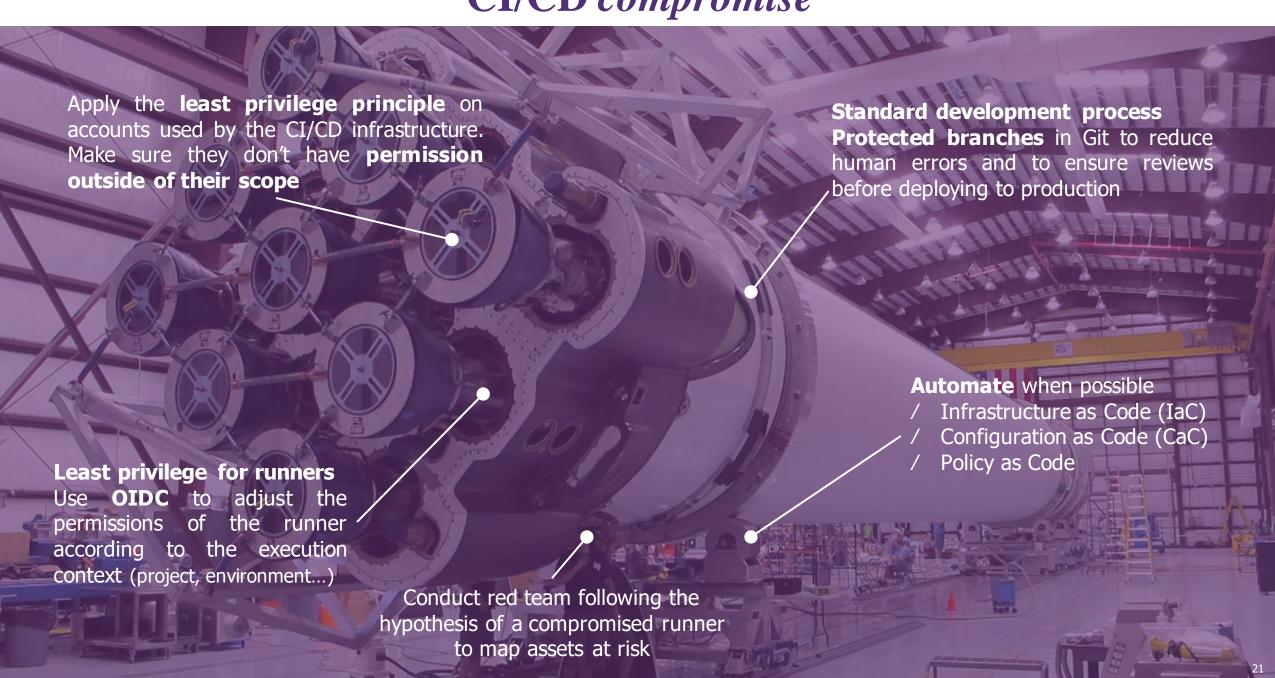
### IT support compromise



### Control Plane Admin's Laptop compromise

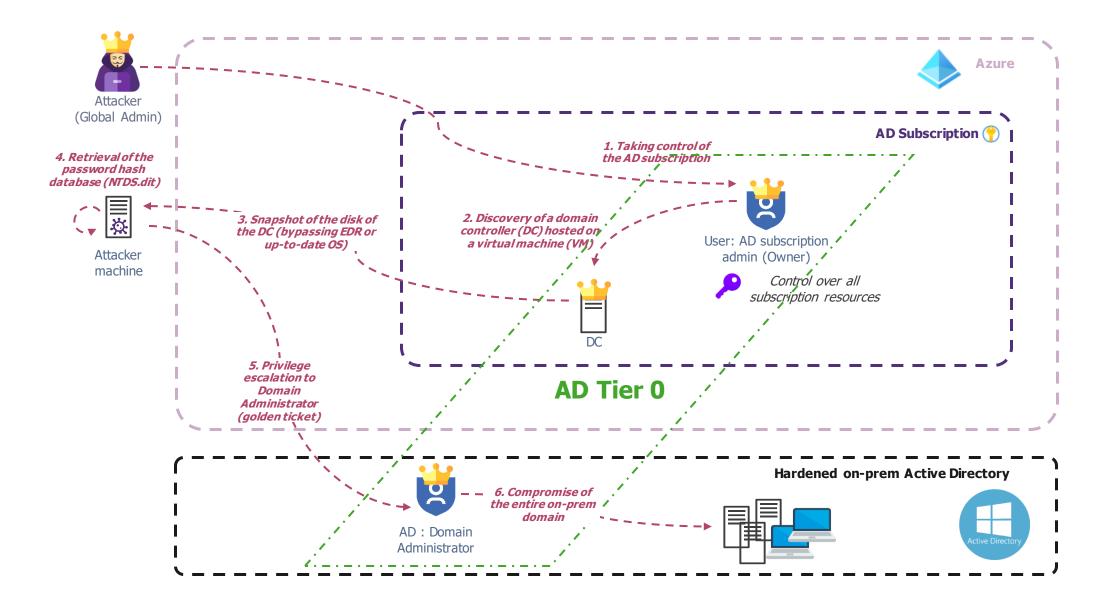


### CI/CD compromise

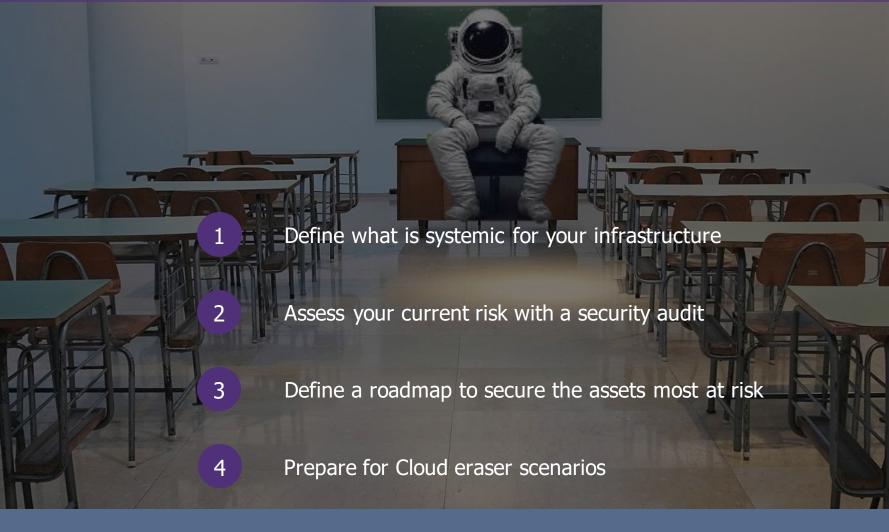




#### Domain Controllers are also hosted in the Cloud for performance and availability



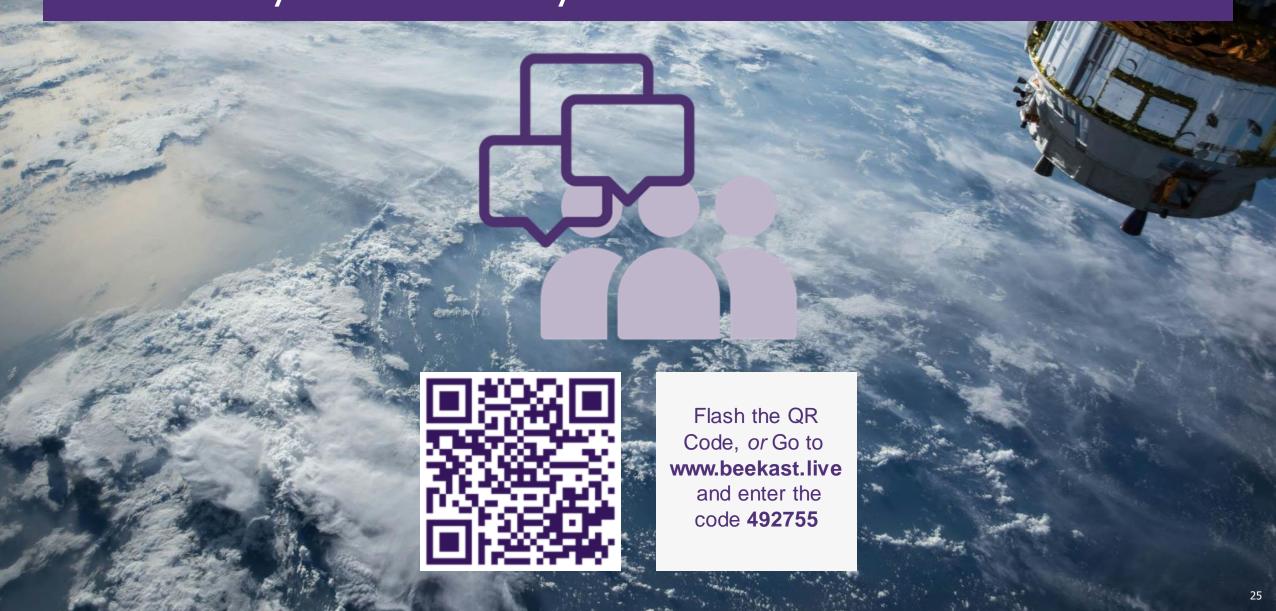
## Where do we start our training path?





Don't think only of technical solutions but also, organizational and process solutions

## Questions ? How do you feel about your Cloud administration now ?





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