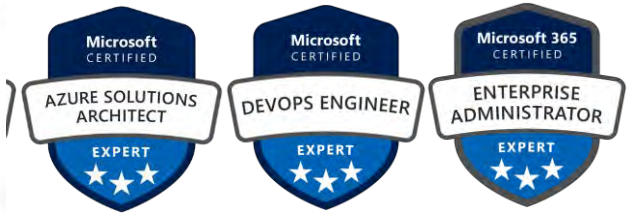
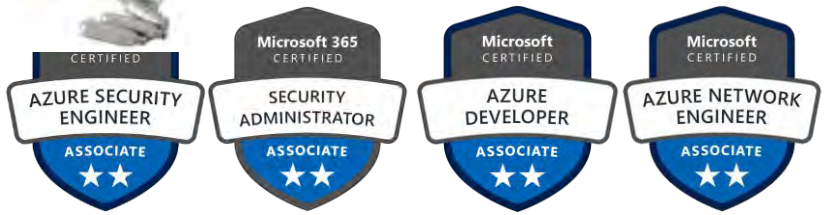
Azure Virtual Desktop with Terraform:
Infrastructure as Code for a Secure Experience.
Carlos Solis Salazar

Is there a way to implement a secure and replicable infrastructure that meets specific standards?

Virginia Alexandre
The Vin
Exper

Carlos Solís Salazar





Carlos Solis Salazar
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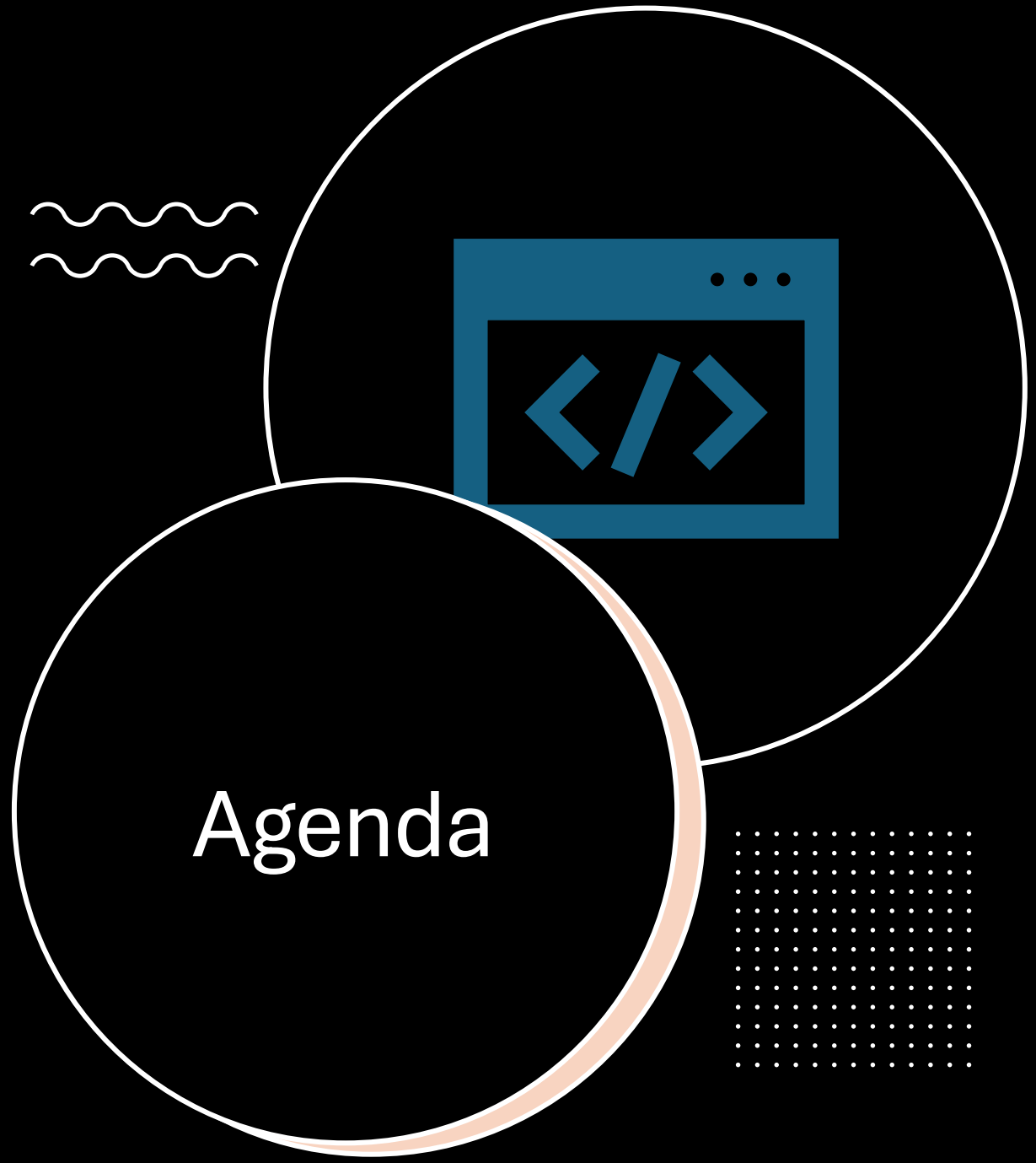
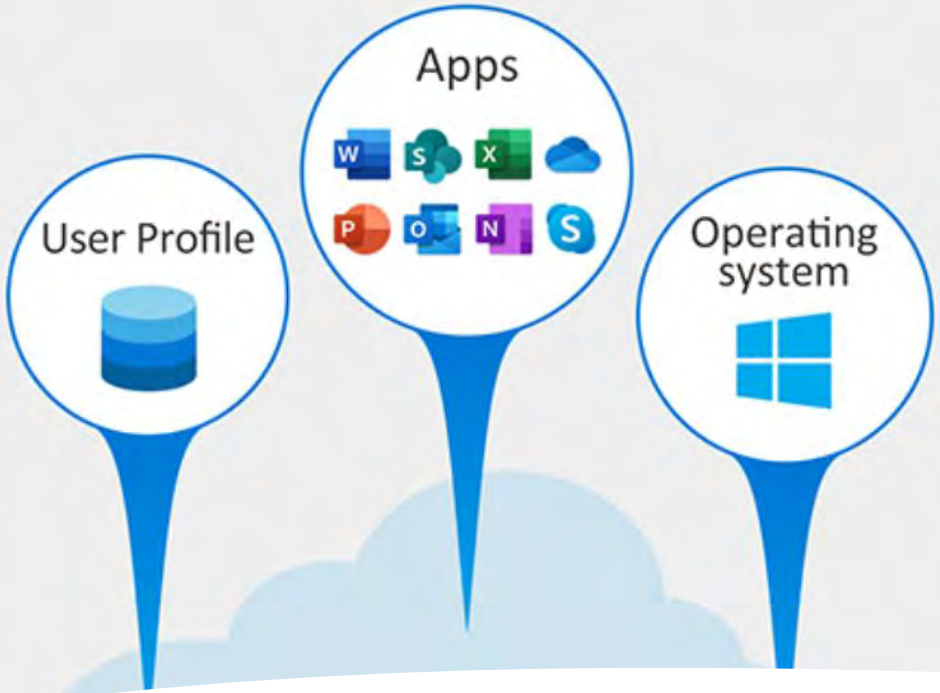


Agenda

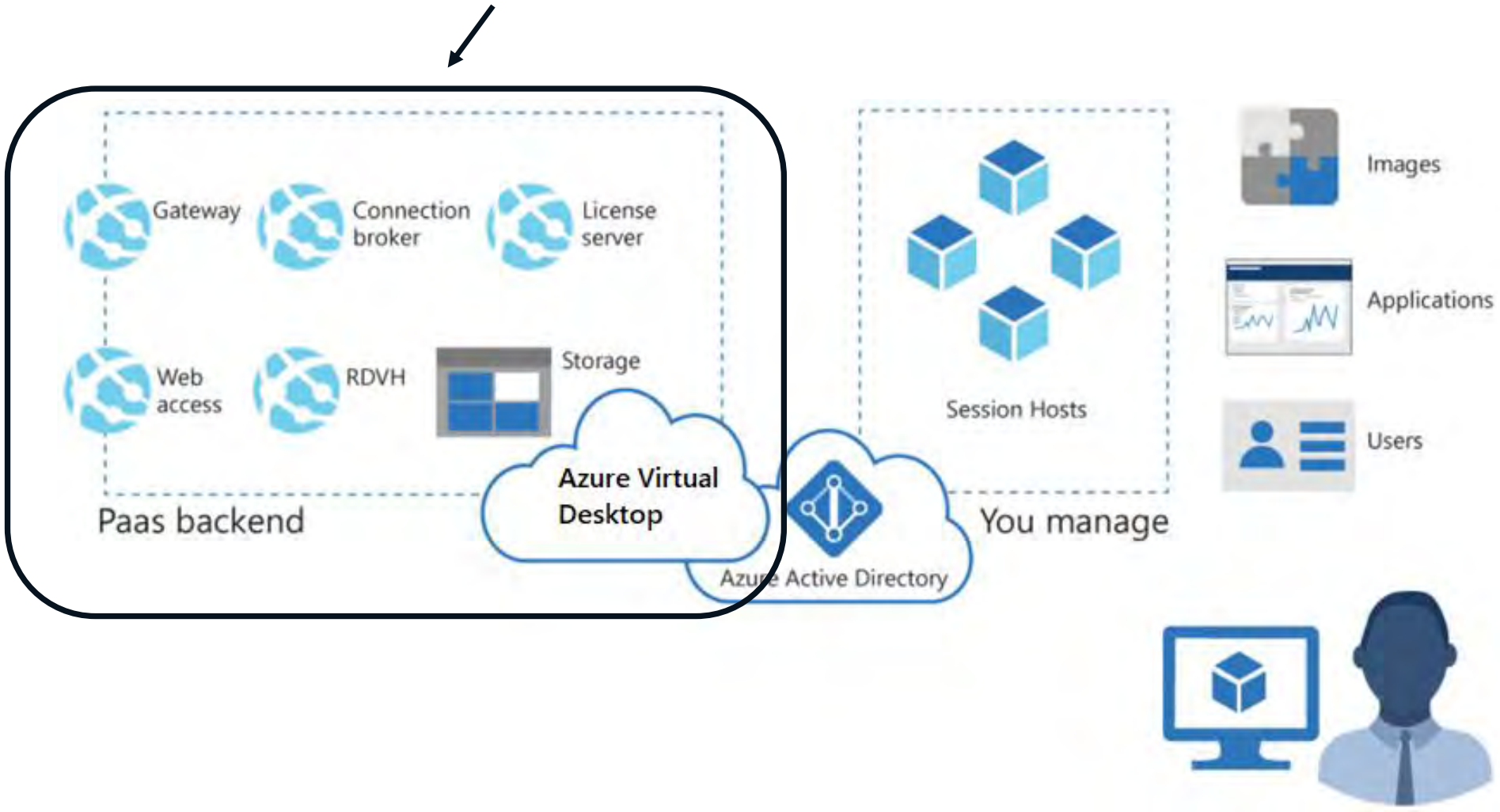
- What is Azure Virtual Desktop?
- Azure Virtual Desktop Architecture
- How to secure AVD?
- What is terraform?
- What is Infrastructure as Code with Terraform?
- Terraform Lifecycle
- How Terraform Works?
- Explore terraform code
- Final thoughts



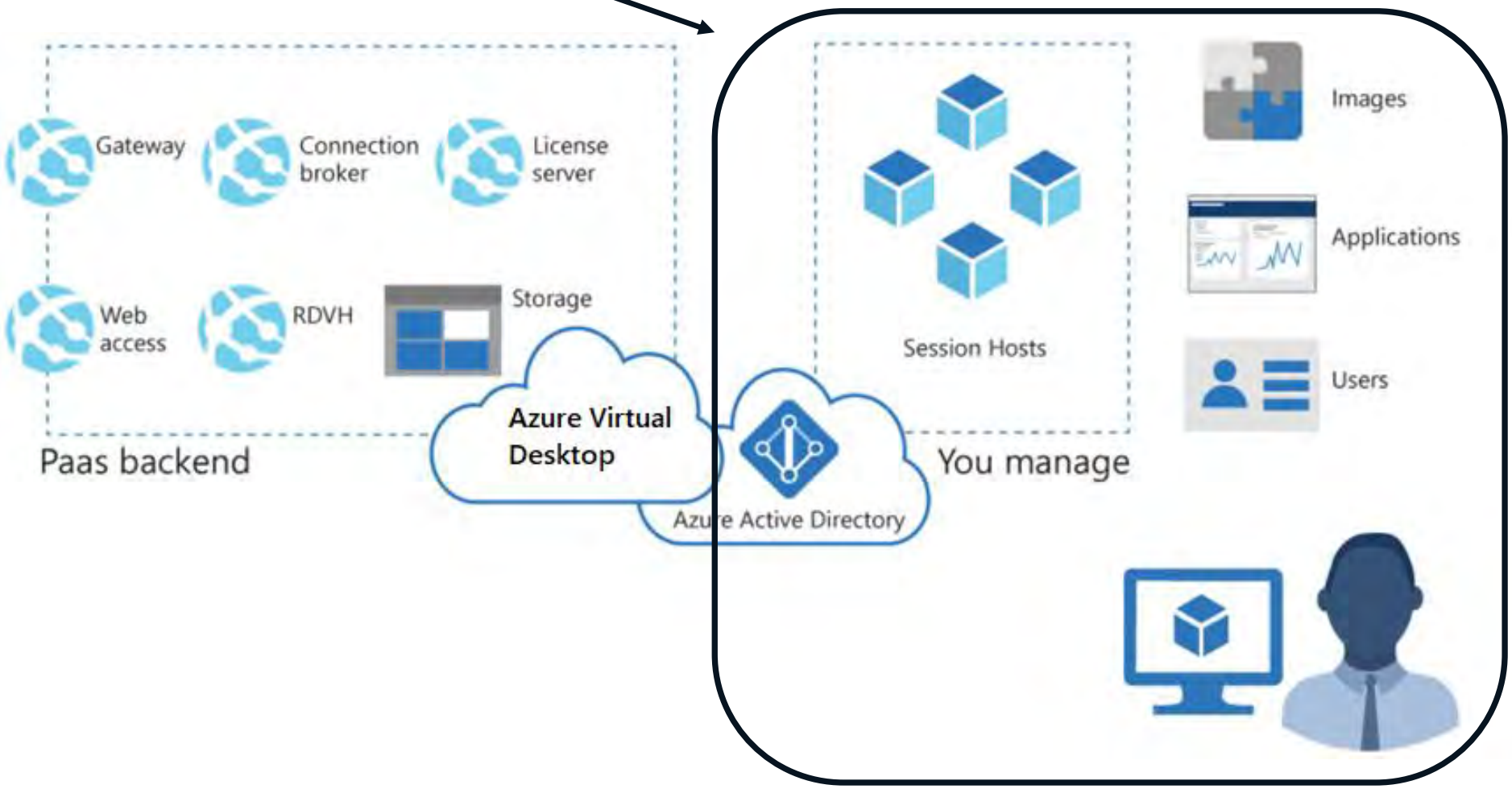
Azure Virtual Desktop is a desktop and application virtualization service that runs on Azure.

When to use AVD?

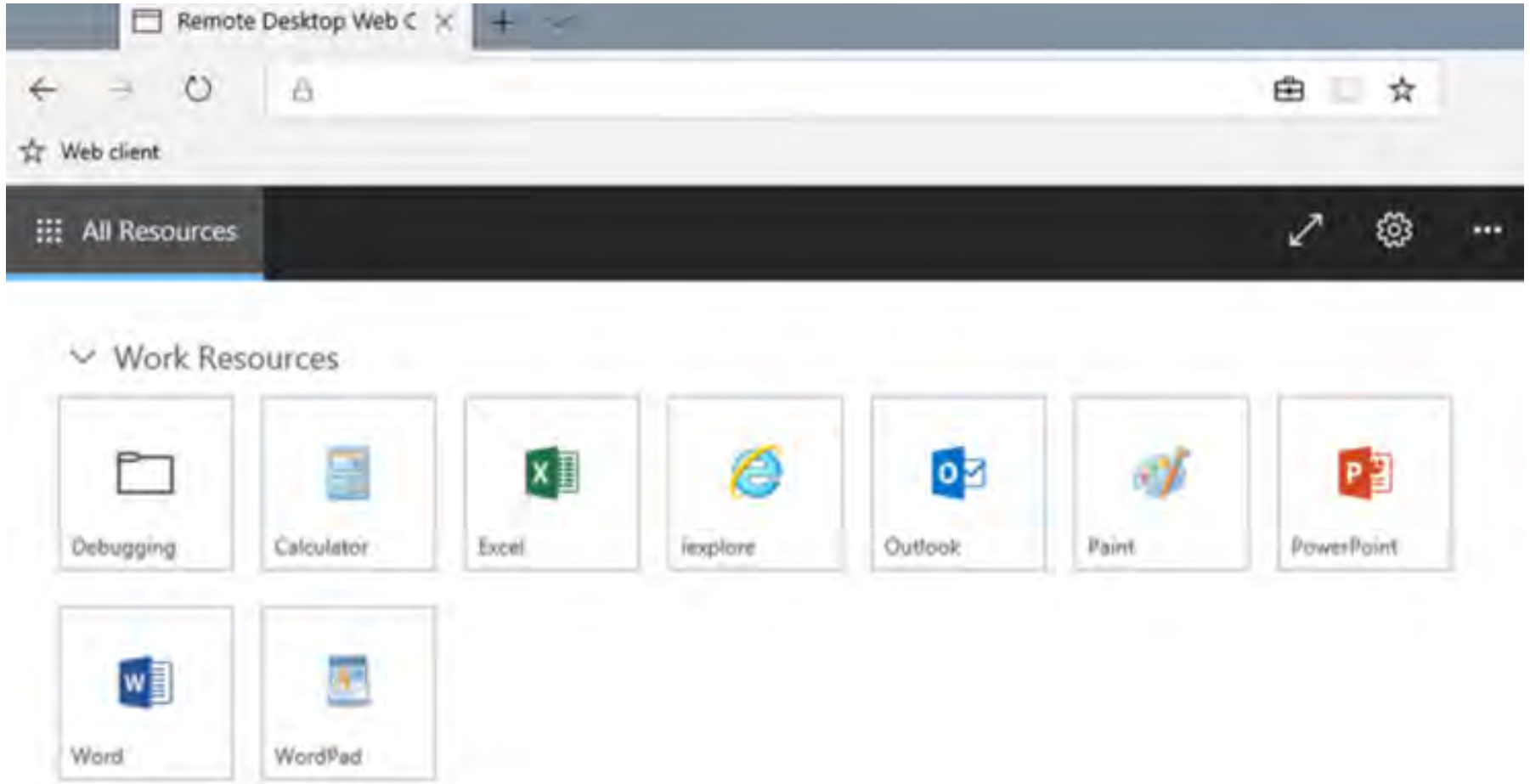
Azure Virtual Desktop components (managed by Azure)



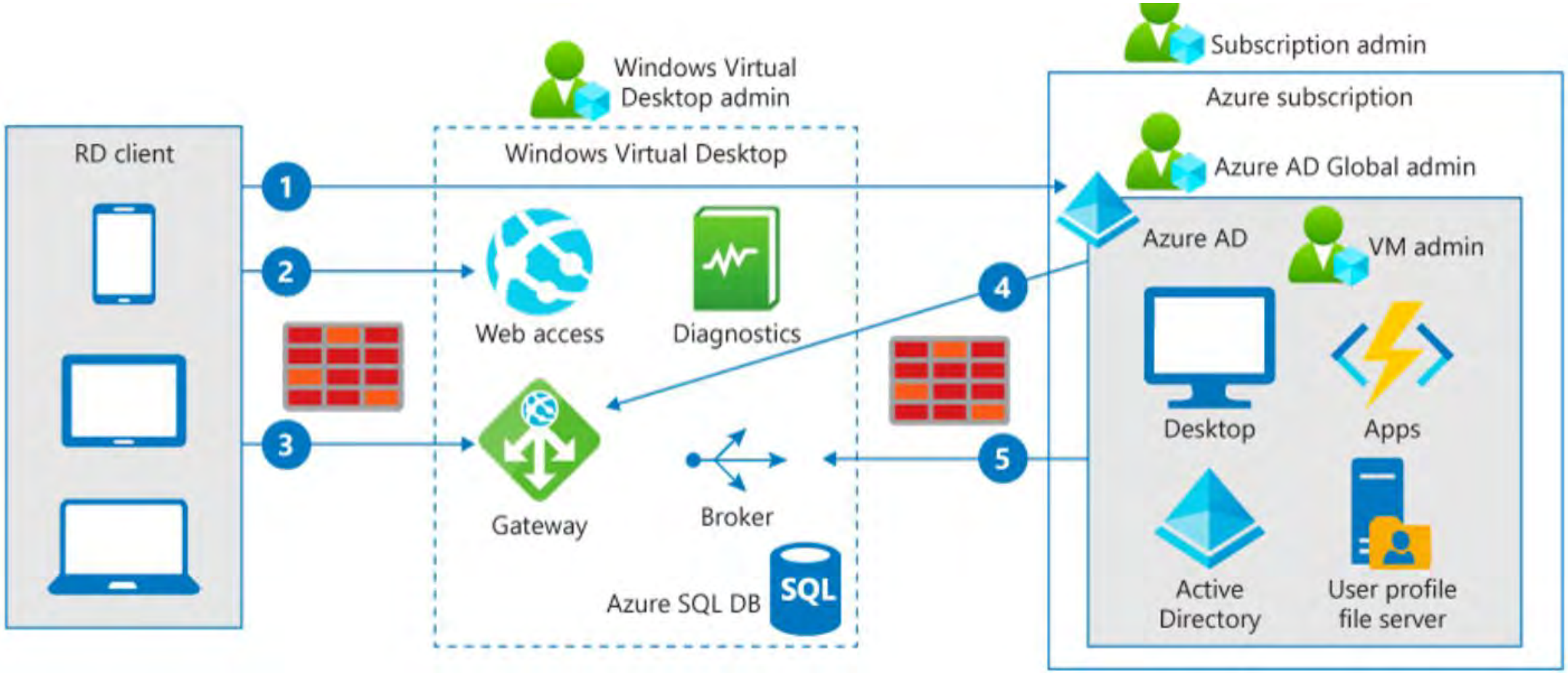
Azure Virtual Desktop components (managed by Customer)



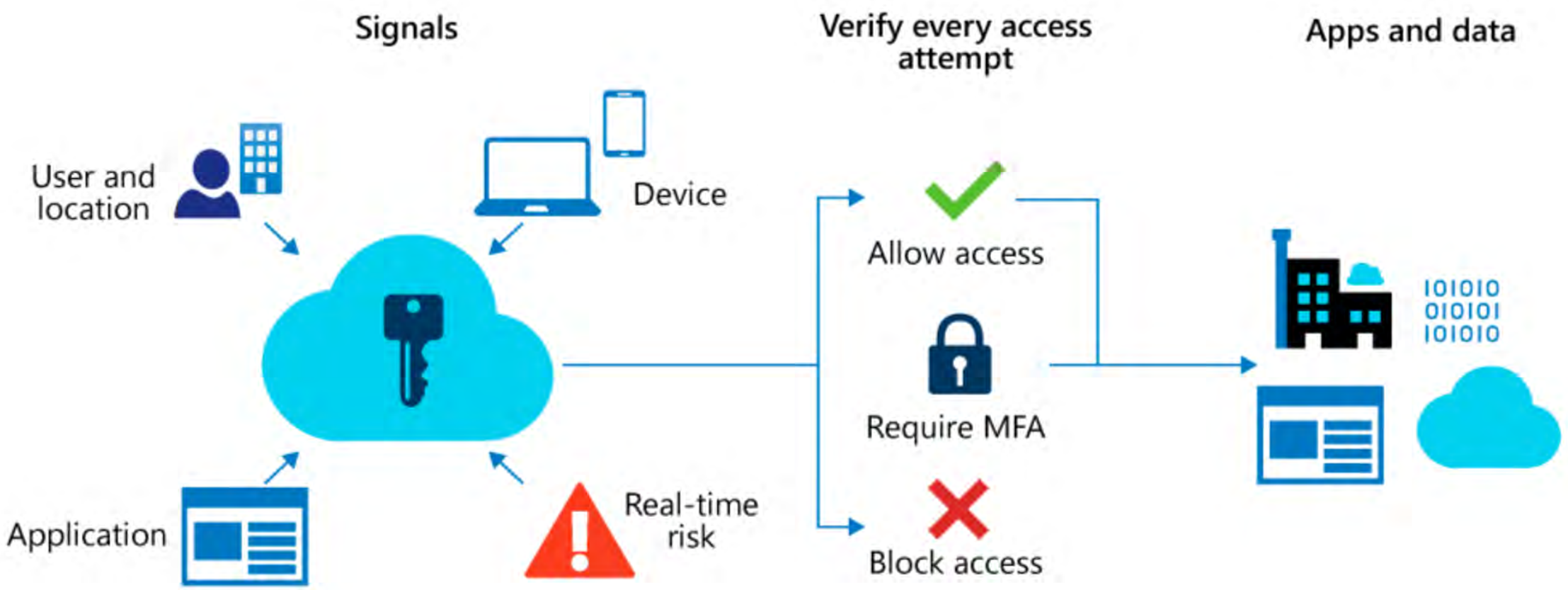
Azure Virtual Desktop in your browser



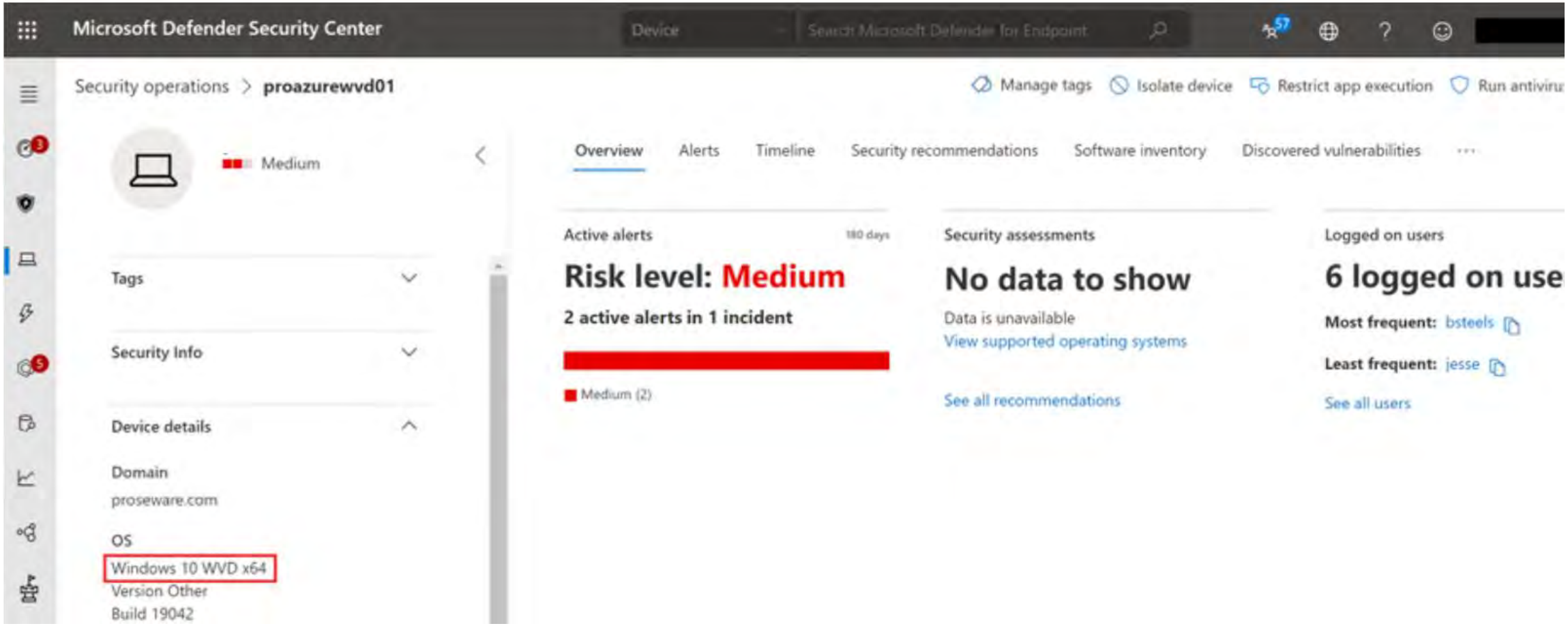
Understand Azure Virtual Desktop network connectivity



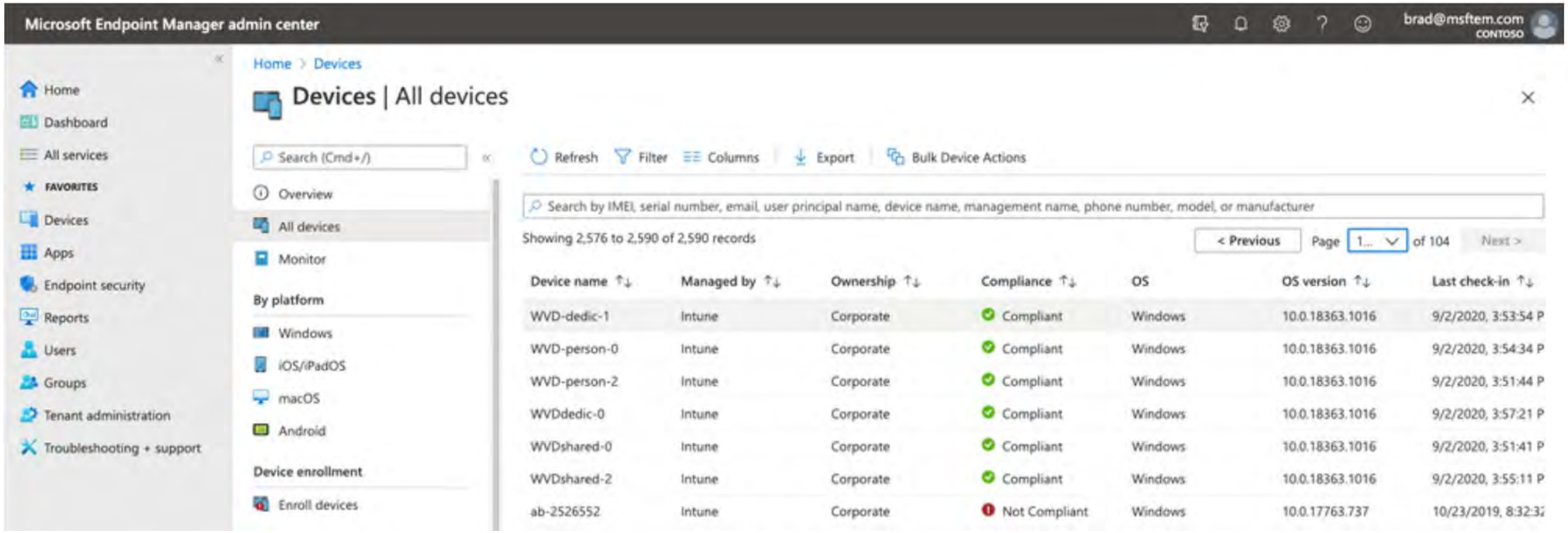
Security in Azure Virtual Desktop



Microsoft Defender for endpoint in session hosts

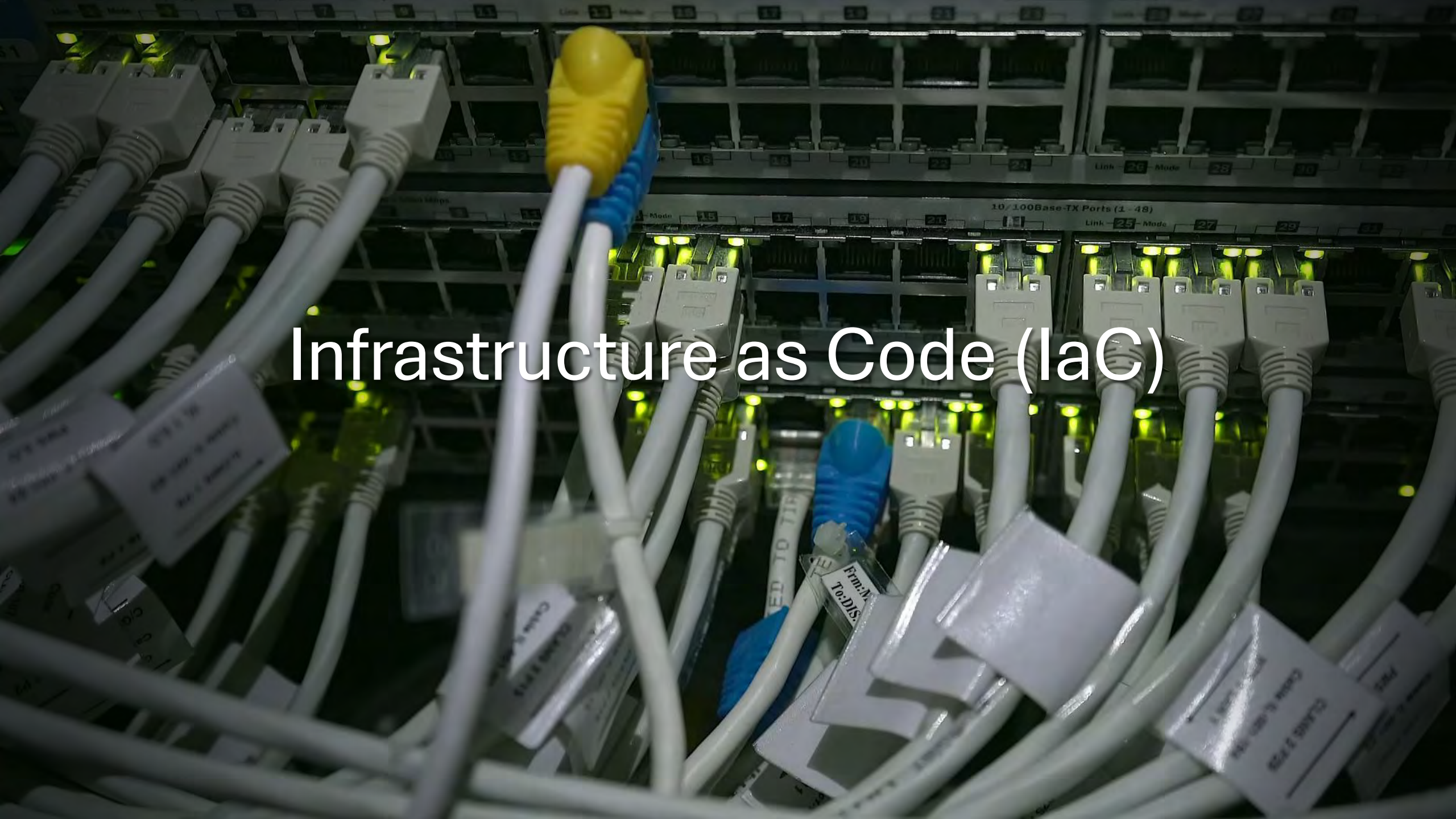


Azure virtual desktop machines with Microsoft Intune



Disaster recovery for Azure Virtual Desktop

…Let’s talk about Terraform



Infrastructure as Code (IaC)

What is Infrastructure as Code with Terraform?

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Manage any infrastructure

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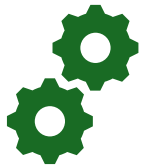
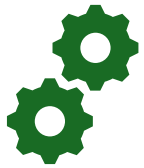


Standardize your deployment workflow

What is Infrastructure as Code with Terraform?

Manage any infrastructure

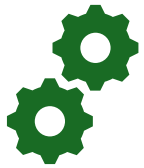


Standardize your deployment workflow

Track your infrastructure

What is Infrastructure as Code with Terraform?

Manage any infrastructure



Standardize your deployment workflow

Track your infrastructure

Collaborate

Terraform Lifecycle

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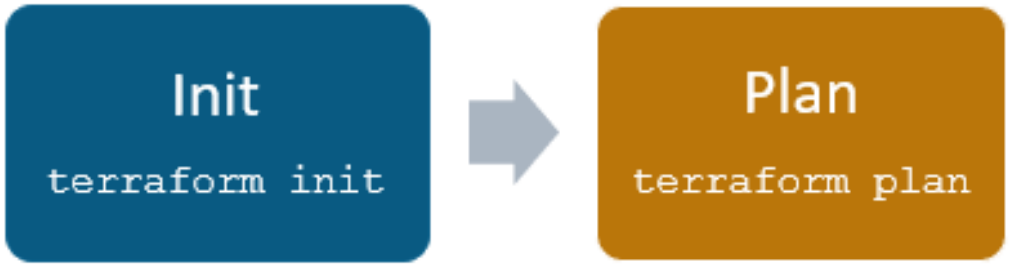
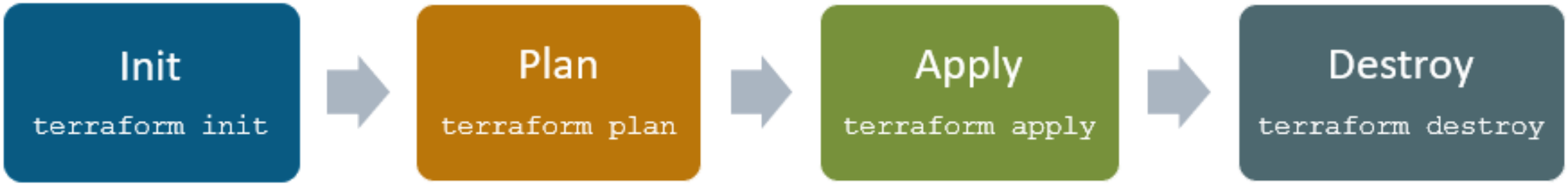
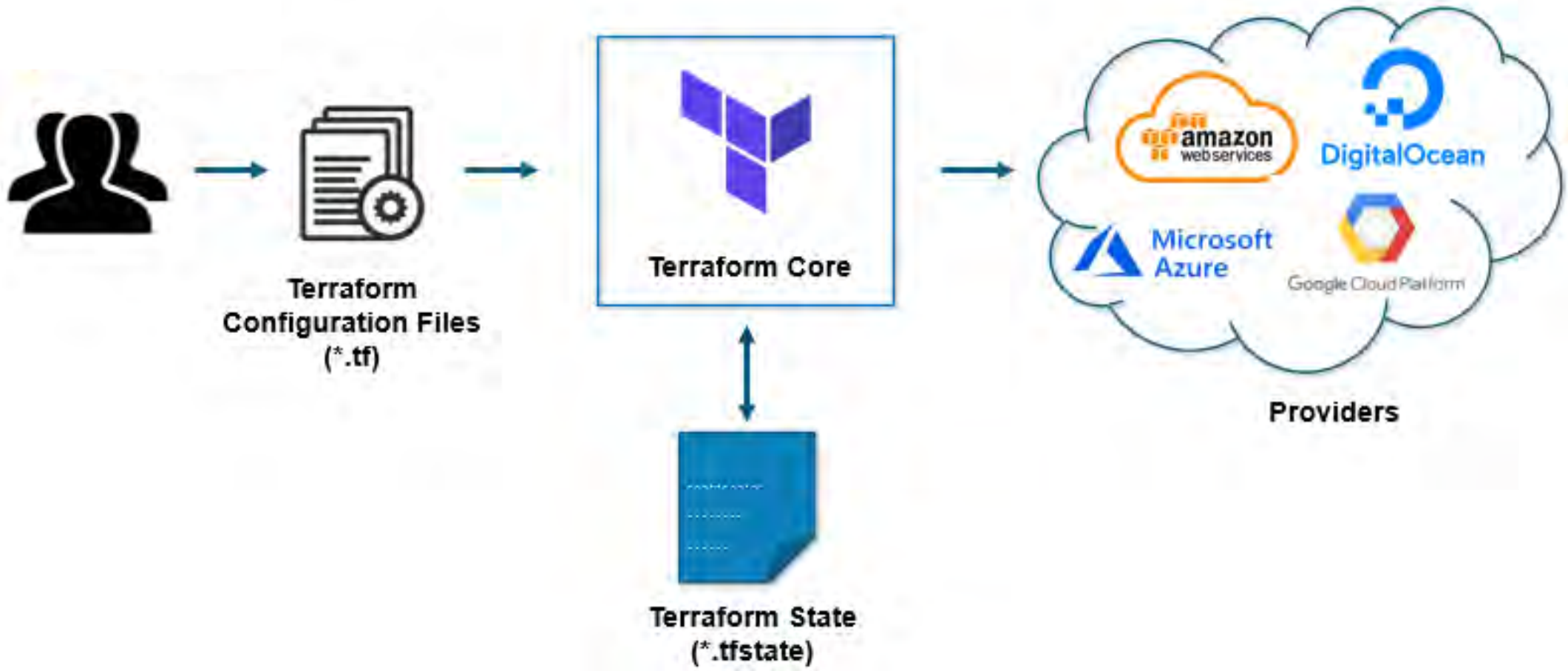


Terraform Lifecycle

Terraform Lifecycle



How Terraform Works?



ENOUGH TALKING!
SHOW ME A DEMO!!
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DEMO TIME!
...WHAT COULD POSSIBLY GO WRONG
makeameme.org

EXAMS

Exam AZ-140: Configuring and Operating Microsoft Azure Virtual Desktop

Candidates for this exam are server or desktop administrators with
managing, and maintaining Microsoft Azure Virtual Des

To deliver these experiences, they work closel
Azure security engineers.

Candidates should have experience with
They should be able to manage end-user desktop environ
These professionals use the Azure portal, templates, scr
deployment.

ⓘ Important

The English language version of this exam was
"Tip" box to see the current skills measured
eight weeks after this date.

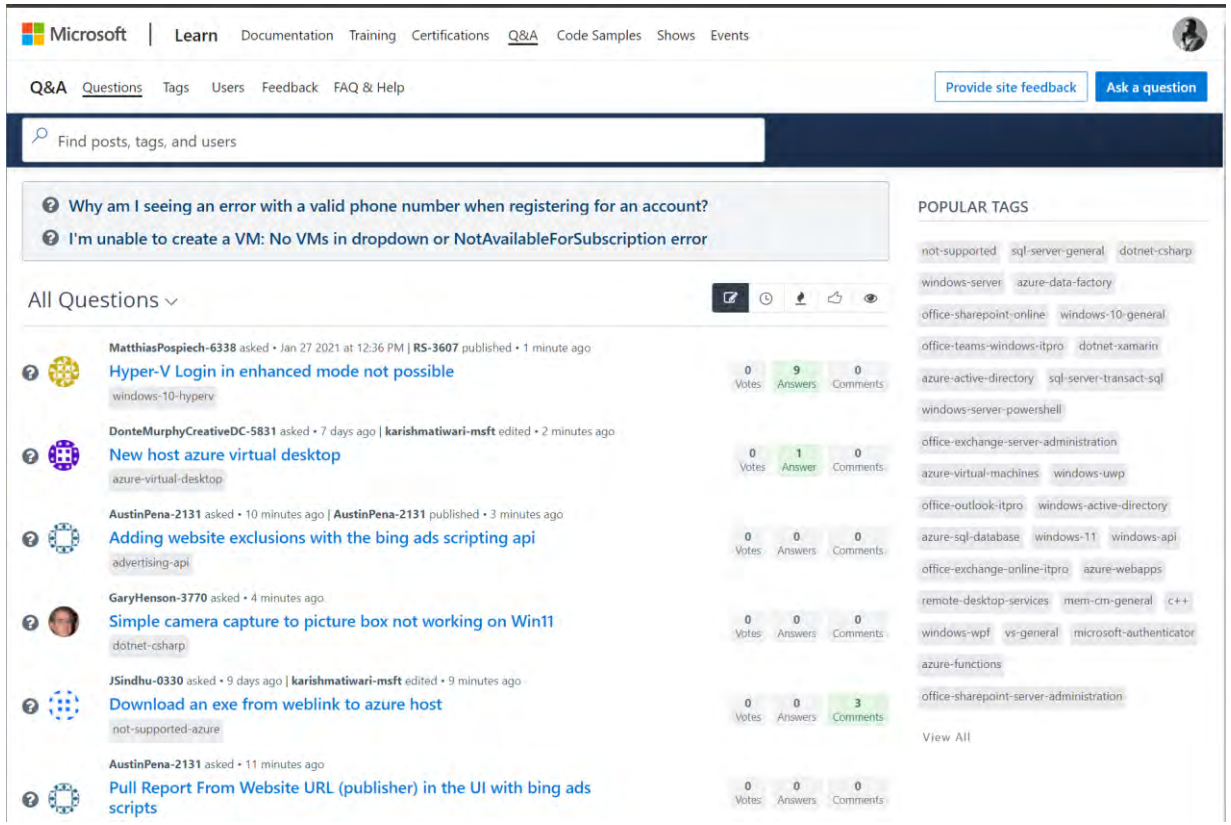
Passing score: 700. Learn more about

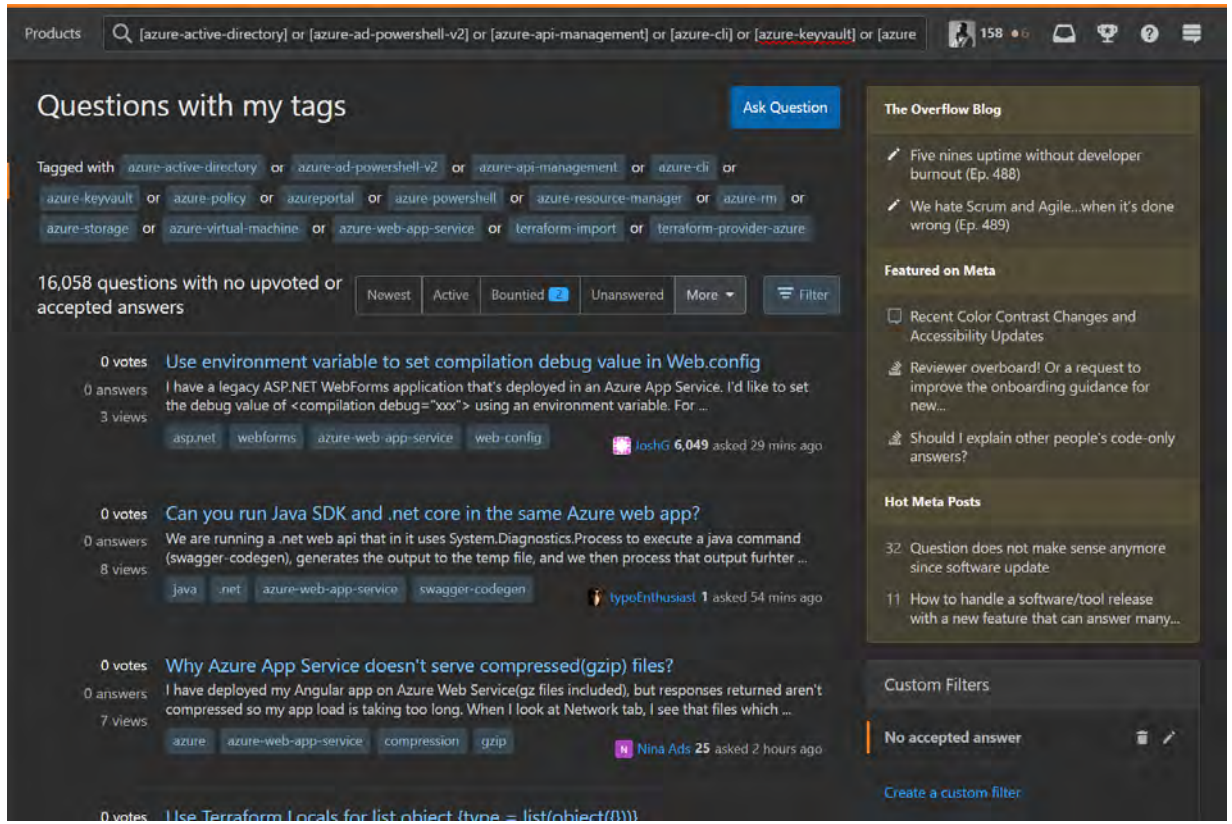
Final thoughts

Search Microsoft learning path **AZ-140: Configuring and operating Microsoft Azure Virtual Desktop**

Final thoughts

Ask questions in Microsoft Q&A and Stackoverflow





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Microsoft MVP

- Active member of DOJO Community Foundation
- Microsoft Azure Panama User Group Organizer
- Active member of Microsoft Q&A Community Champions
- Senior Cloud Solutions Architect at OZ Digital Consulting.

If you would like to learn more about Microsoft Azure and become a cloud architect, schedule a mentoring session at

https://www.soysoliscarlos.com/mentoria

Or find me on social media as **@soysoliscarlos** or on LinkedIn **linkedin.com/in/soysoliscarlos/.**