

We

The logo consists of the letters 'HTG' in a bold, white, sans-serif font. The letter 'G' is stylized with a red square at its bottom right corner, which also forms the letter 'G'.

SECURE CLOUD EXPERTS



# BEYOND BOUNDARIES

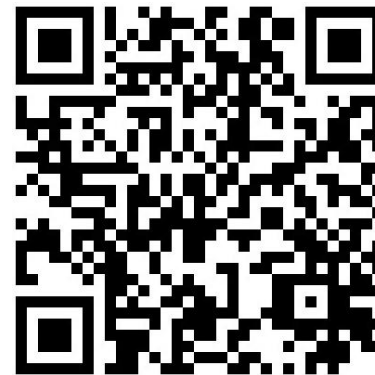
ADVANCEMENTS IN ENTRA FOR MICROSOFT'S SECURE ACCESS EDGE

# HTG TEAM



**Alan McBurney**  
Technical Director

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**Stephen Third**  
Cloud Solution Architect

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# WHO ARE HTG?

## Microsoft cloud solutions partner in:

- Modern work
- Infrastructure
- Security

## Advanced specialist partner

- Cloud security
- Identity & access management
- Threat protection
- Azure virtual desktop

# AGENDA

- Introduction to Microsoft Entra
- Traditional VPN Connectivity
- SASE and SSE
- Microsoft Global Secure Access
- Demos
- Q&A



# INTRODUCTION TO MICROSOFT ENTRA

## What is Microsoft Entra?

Microsoft Entra is the product family name for all identity and network access solutions from Microsoft

## Identity and access management

Microsoft Entra ID (formally azure active directory)

Microsoft Entra identity governance

Microsoft Entra external ID

Microsoft Entra verified ID

Microsoft Entra permissions management

## Network access

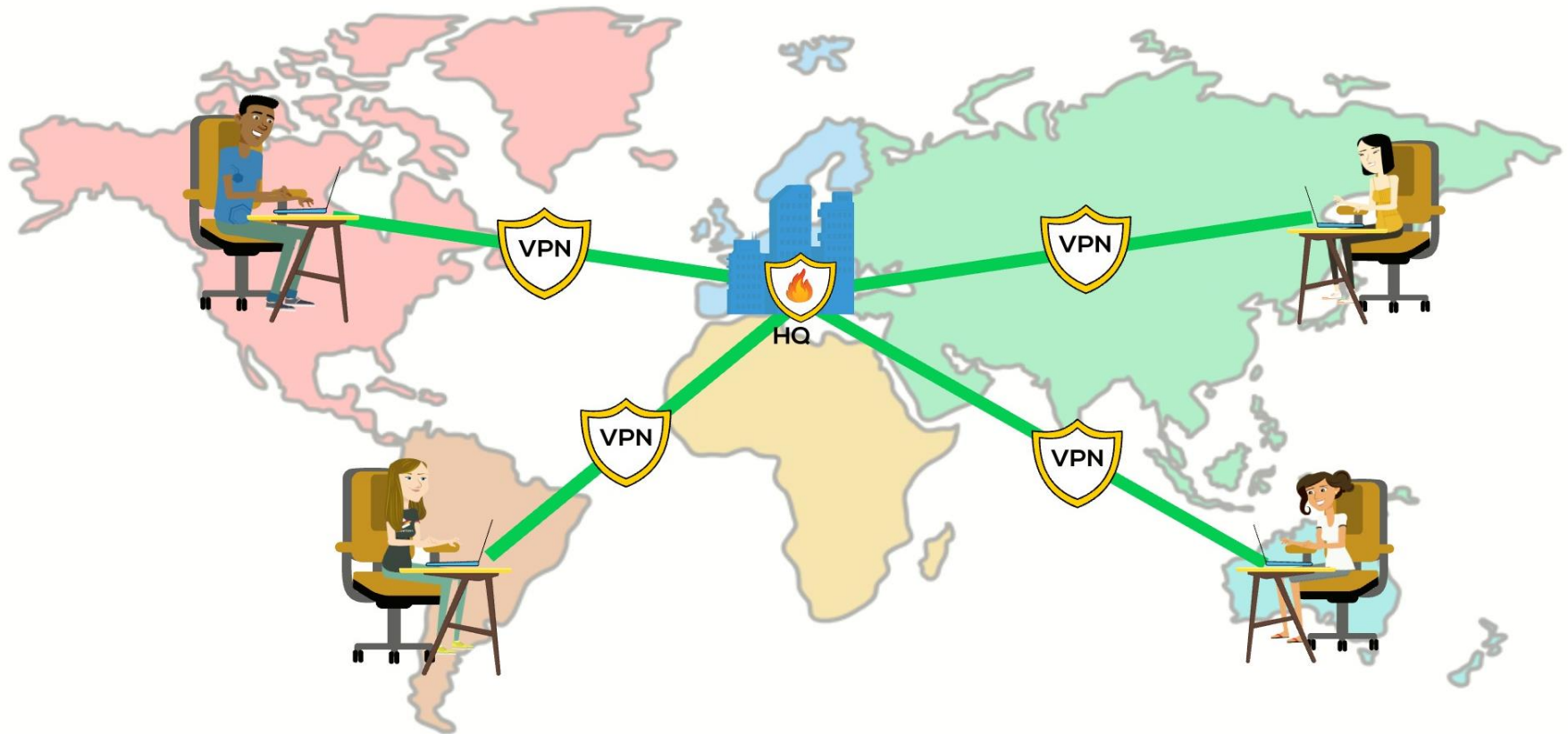
Microsoft Entra internet access and private access

# QUICK POLL

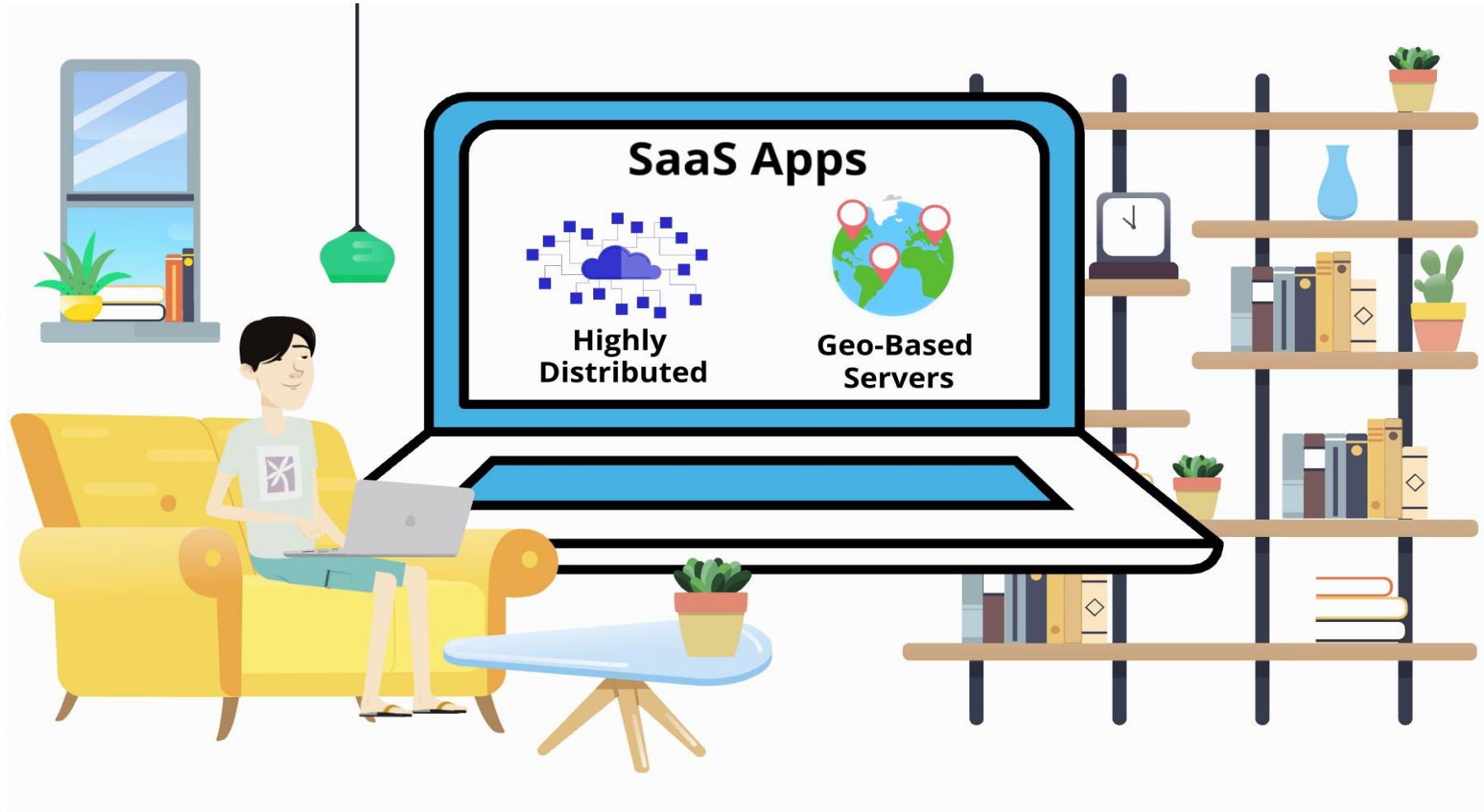
HOW MANY PEOPLE CONNECT TO CORPORATE RESOURCES OR APPLICATIONS VIA A VPN?



# TRADITIONAL VPN CONNECTIVITY



# SAAS DESIGN



# WHAT'S NOT GREAT ABOUT A VPN

# TWO SIGNIFICANT CONCEPTS FROM GARTNER



## Secure Access Service Edge (SASE) 2019

Zero Trust Network Access (ZTNA)  
Cloud Access Security Broker (CASB)  
Secure Web Gateway (SWG)  
Software Defined Wide Area Network (SD-WAN)



## Security Service Edge (SSE) 2021

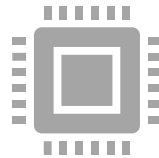
All security features of SASE without the SD-WAN

# ZTNA



## Verify explicitly

Establishing framework to authenticate all identities and validate access requirements based on received signals



## Assume breach

Monitor from all sources, combine with AI and threat intelligence

Consolidate all signals for analysis  
Extended Detection and Repose (XDR)

Automate with playbooks



## Use least privilege access

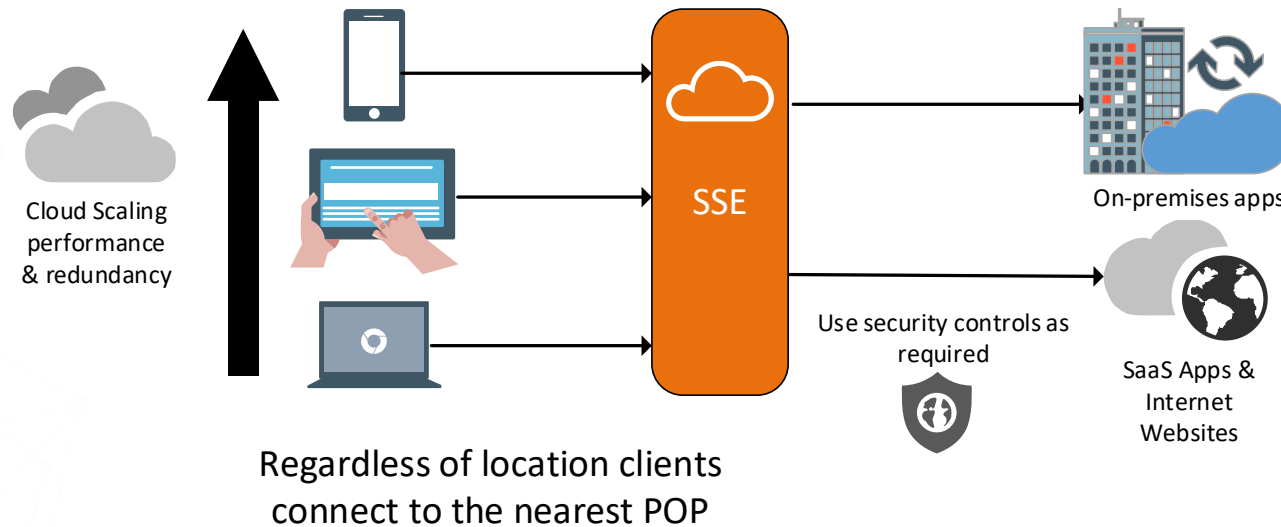
User governance to manage user privilege and entitlement

Use application segmentation to limit application access



# WHAT'S GREAT ABOUT SSE

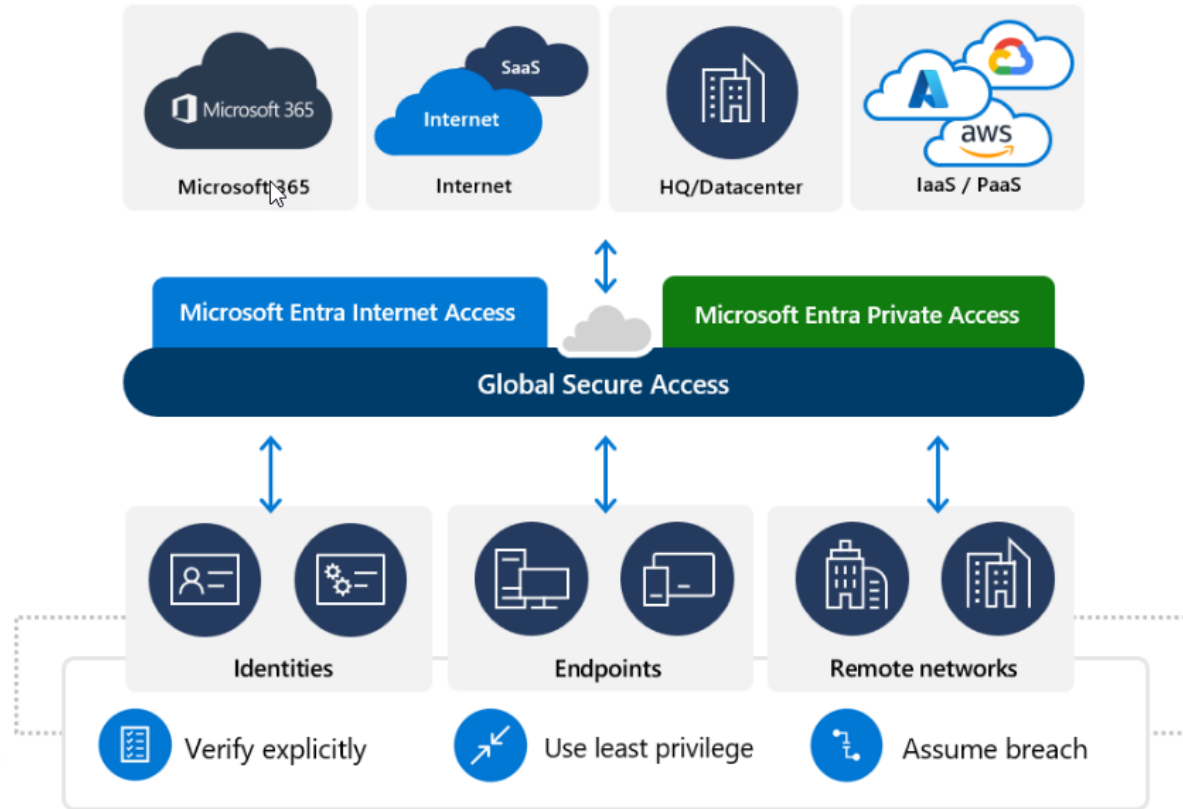
- All access to the SSE and applications are authenticated and continuously verified – **Verify explicitly**
- Access is limited to application segments – **Least privileged access**
- All traffic/behaviours are constantly monitored – **Assume breach**



# WHY MICROSOFT FOR SSE?

- A fast, highly reliable, secure global network
- 140+ Countries, 190+ Network Edge Locations
- High performance, reliability and scalability for virtualised services
- Best of breed identity and access management implementing a zero-trust framework
- State of the art threat intelligence

# MICROSOFT GLOBAL FOR SECURE ACCESS



Global Secure Access is Microsoft's Security Service Edge Solution

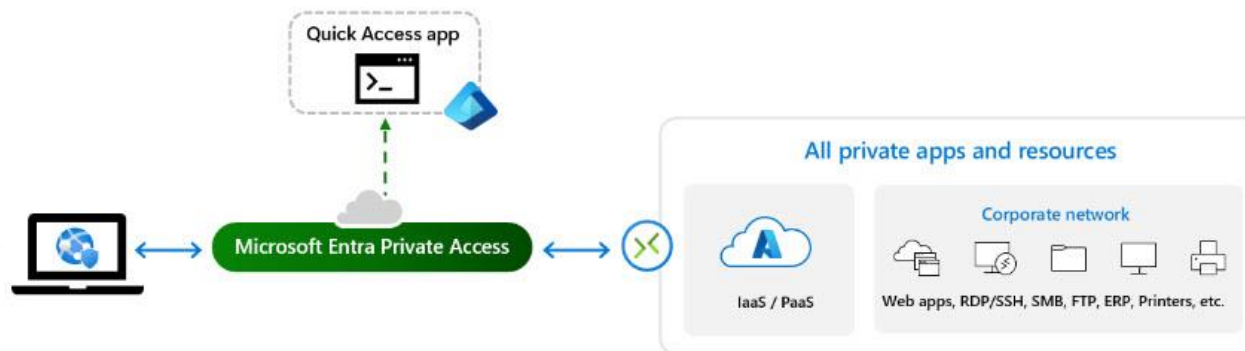
# ENTRA INTERNET ACCESS

- Secure Internet Access to:
  - Microsoft 365 Apps
    - Traffic Forwarding Profiles
      - SharePoint Online & OneDrive
      - Exchange Online
      - Microsoft 365 Common and Office Online
      - Microsoft Teams
  - SaaS and Public Internet Apps (SWG)
    - Currently under private preview

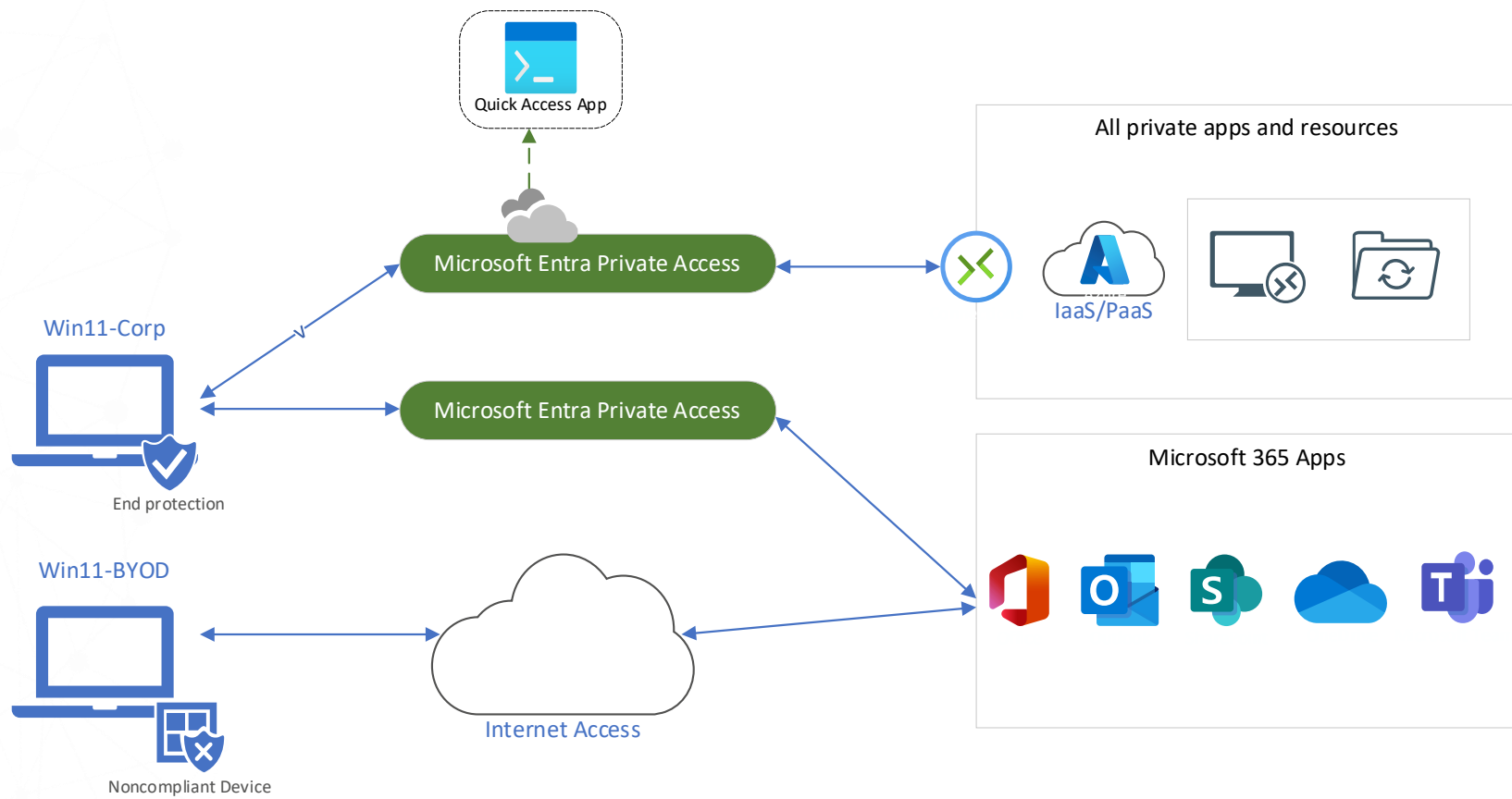


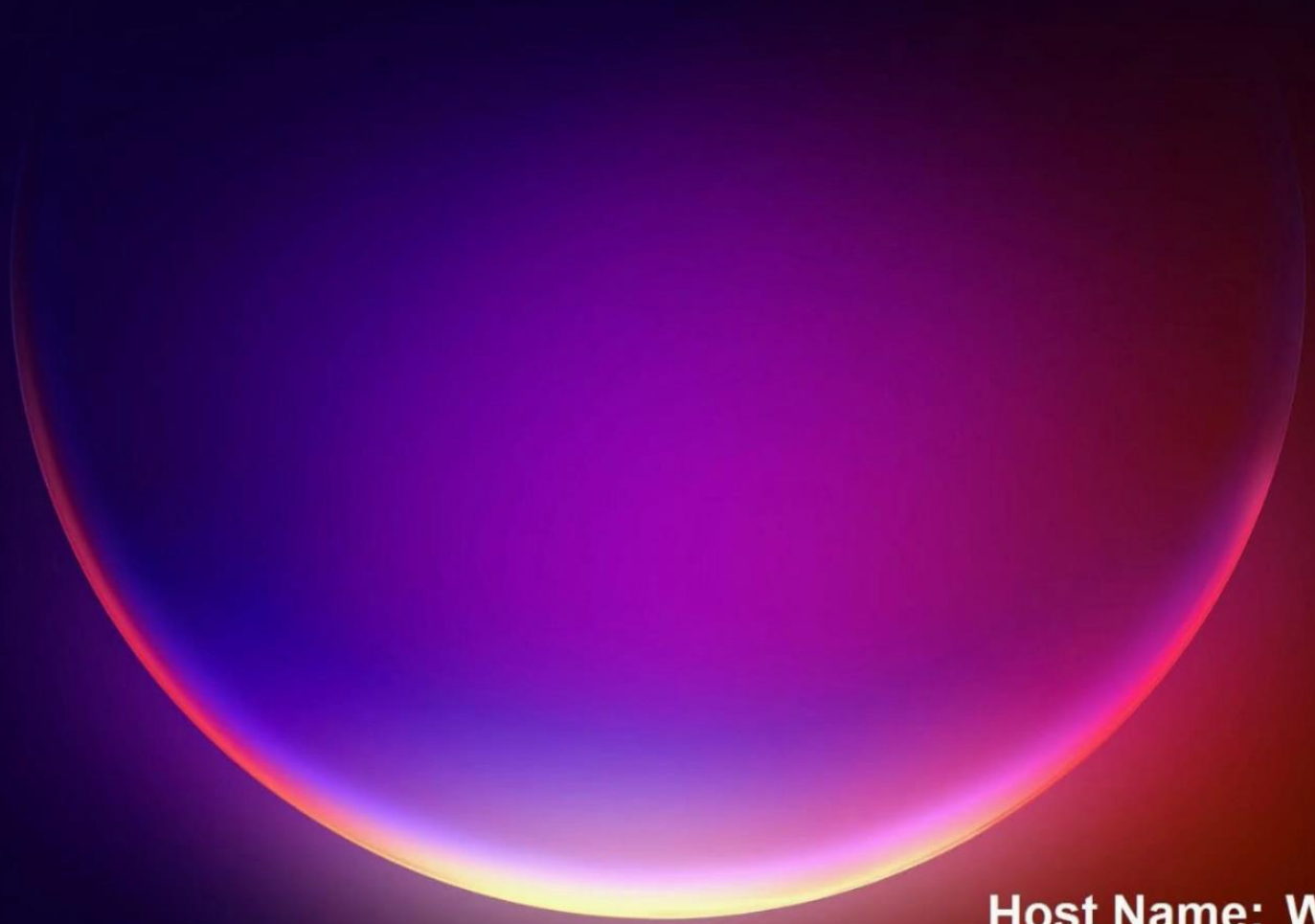
# ENTRA PRIVATE ACCESS

- Provides secure Internet Access to:
  - Private corporate resources
    - Applications hosted with private cloud
    - Applications hosted on-premises
- Build on Entra ID Application Proxy
  - Supports per-application access to TCP apps (UDP Coming)
- Modernise Legacy applications with conditional access









Host Name: WIN11-BYOD



# Q&A





**THANK YOU**

**HTG**  
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