

A Security-First Approach to Delivering End User Computing Services

Nathan Thomas, GM, Amazon WorkSpaces

Agenda

Overview of AWS End User Computing

Amazon WorkSpaces Security Benefits

Customer Business Challenges

AWS End User Computing Services



Amazon WorkSpaces



**Tens of thousands of customers running
hundreds of thousands of WorkSpaces**

Amazon WorkSpaces Refresher



Client

Desktop
Mobile
Web



OS

Windows 10
Windows 7
Amazon Linux



Bundle

Standard
Memory
Graphics



Pricing

Monthly
Hourly
BYOL

Amazon WorkSpaces Inherent Security Approach



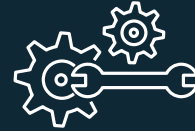
Keep Data Off Devices



VPC As Security
Perimeter



Segmented Access



Treat Desktops as
Code- Automate



Keep Data and Apps Off Devices

- Client device loss is not important
- Authentication to the desktop itself can include MFA
- Segment policies between client devices and WorkSpaces to balance user satisfaction and security



Move The Security Perimeter to the VPC

- Every network beyond the VPC is untrusted
- All auth is TLS 1.2 encrypted like your VPN
- All streams are AES 256 encrypted
- You own the SG for the VIF
- Traffic can be routed through your Proxy



Segmented Access for User Groups

- WorkSpaces are aligned to VPCs and Directories
- Different groups of users can have unique VPCs and AD Connectors
- This allows unique security and network configuration for these groups
- All WorkSpaces get full VMs, and can be on dedicated hardware



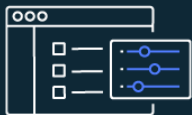
Desktops as Code- Automate and Monitor

- APIs, CloudWatch, and CloudTrail integration
- Monitor login events and take triggered actions
- Automate WorkSpaces launches and terminations
- Monitor and patch at all times; not just when a device is online

Business challenges



Poor user experience



Secure lifecycle management



Prevent data leakage



Reduce attack surfaces

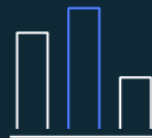
Business challenges



Removed device
dependencies



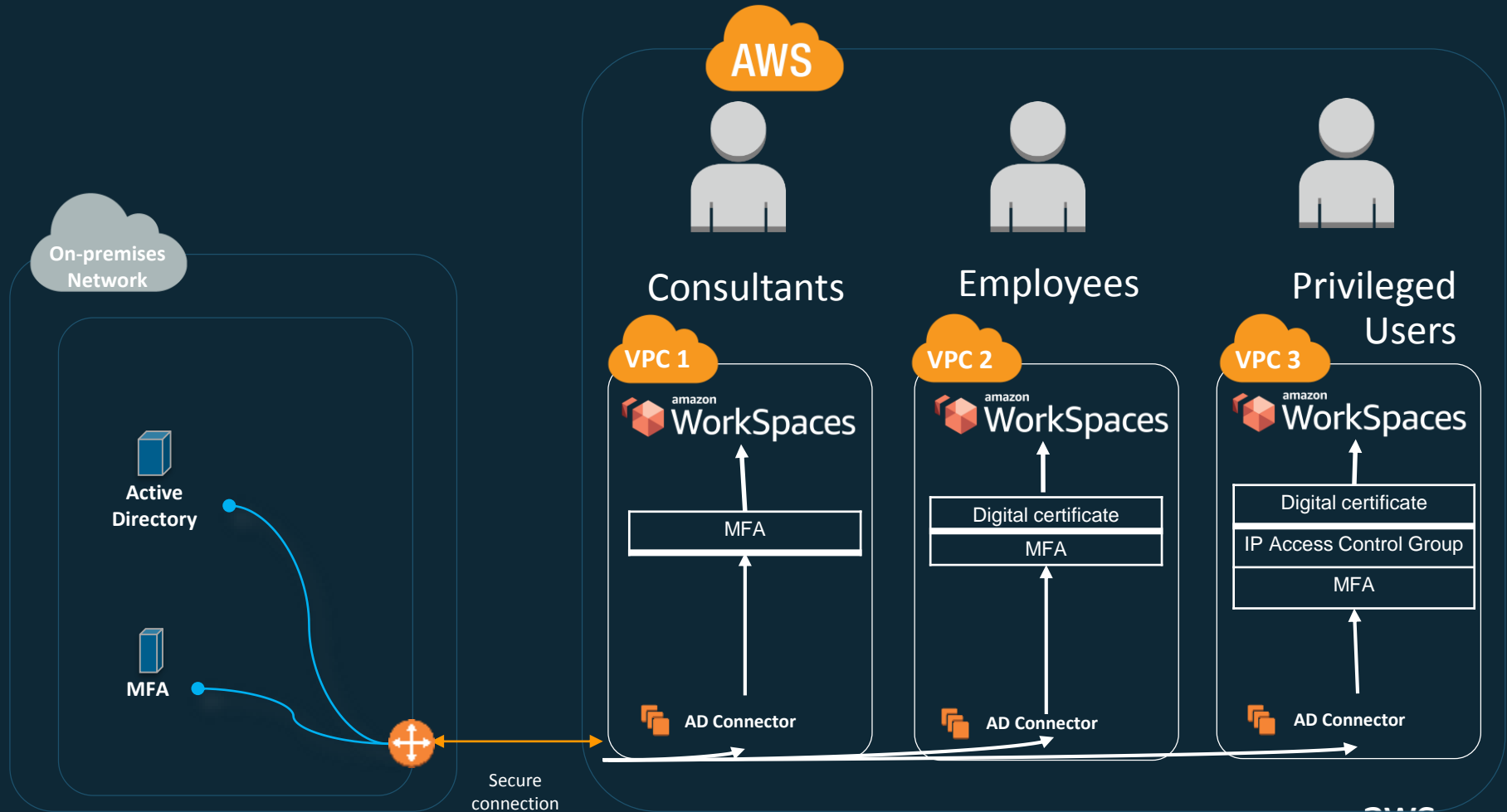
Build provenance



Automated
provisioning &
deprovisioning



Simple user interface



Try it now



Try Amazon WorkSpaces; Free Tier available!

Run two Standard bundle WorkSpaces for 40 hours a month, for up to two calendar months

Amazon Linux 2, Windows 7 or Windows 10 Experience, including Amazon WorkDocs with 50 GB storage

