

AWS re:Invent

NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

Securely stream AWS workloads to your remote workers

Andrew Morgan (he/him)

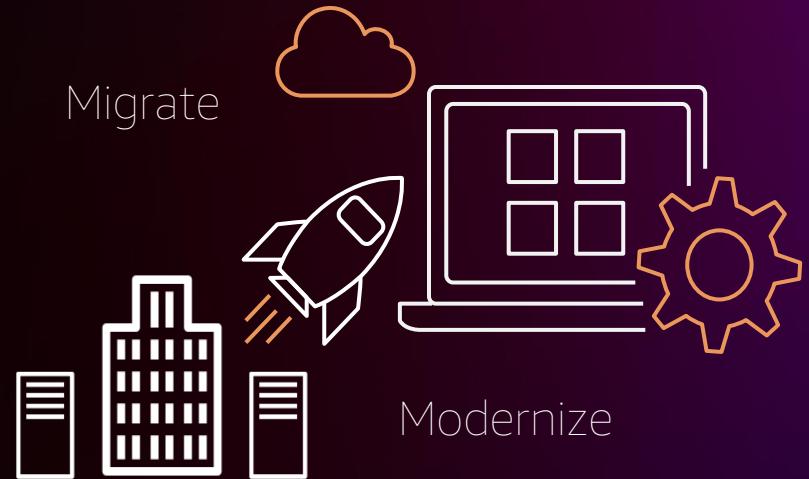
Sr. Developer Advocate,
Display Protocols
AWS

Ariel Fu (she/her)

Sr. Product Manager,
End User Computing
AWS

Agenda

- AWS end user computing (EUC) services overview
- Architecture comparison review
- Example scenarios and discussion
- Conclusion and survey

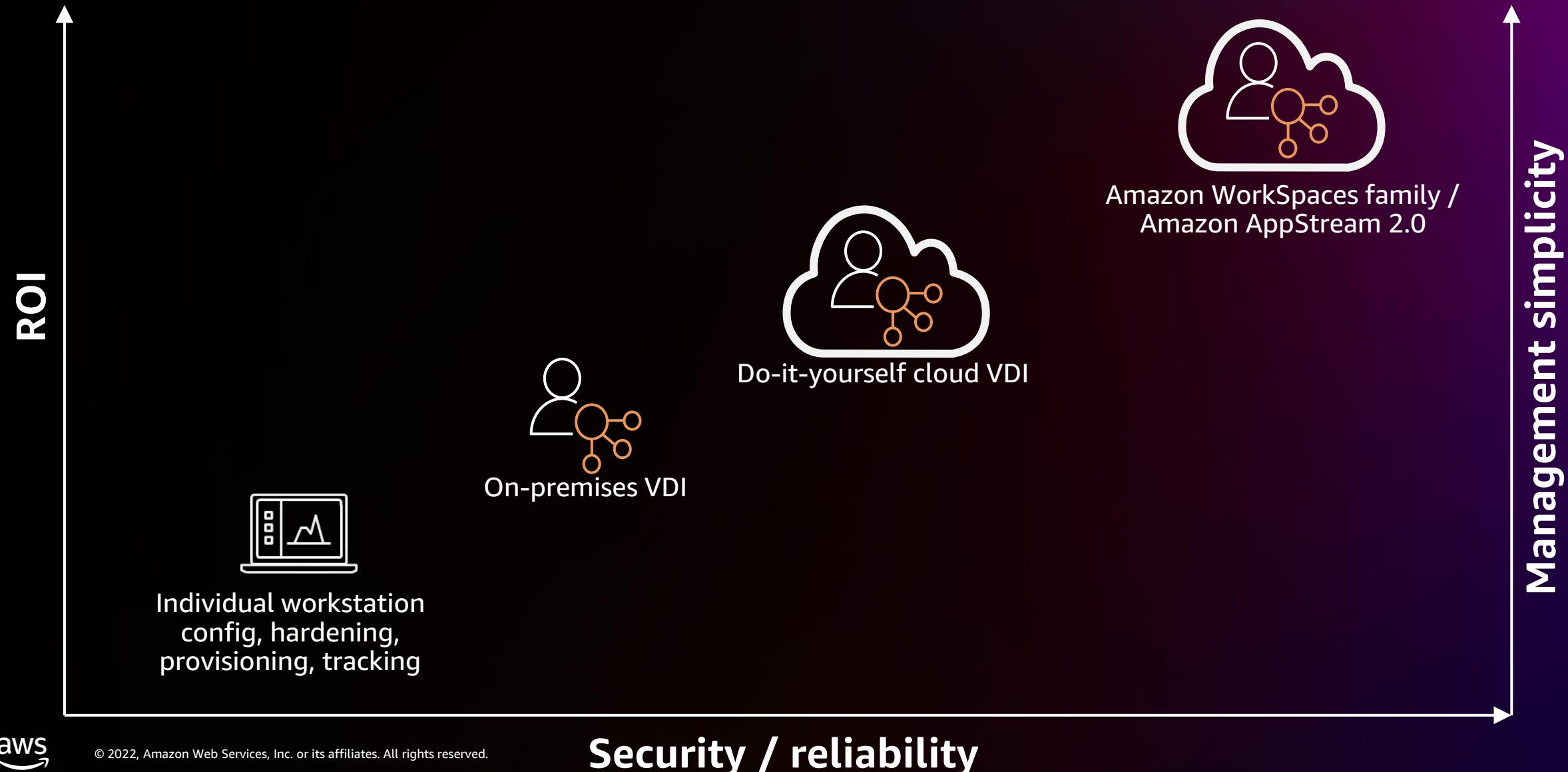


AWS EUC services

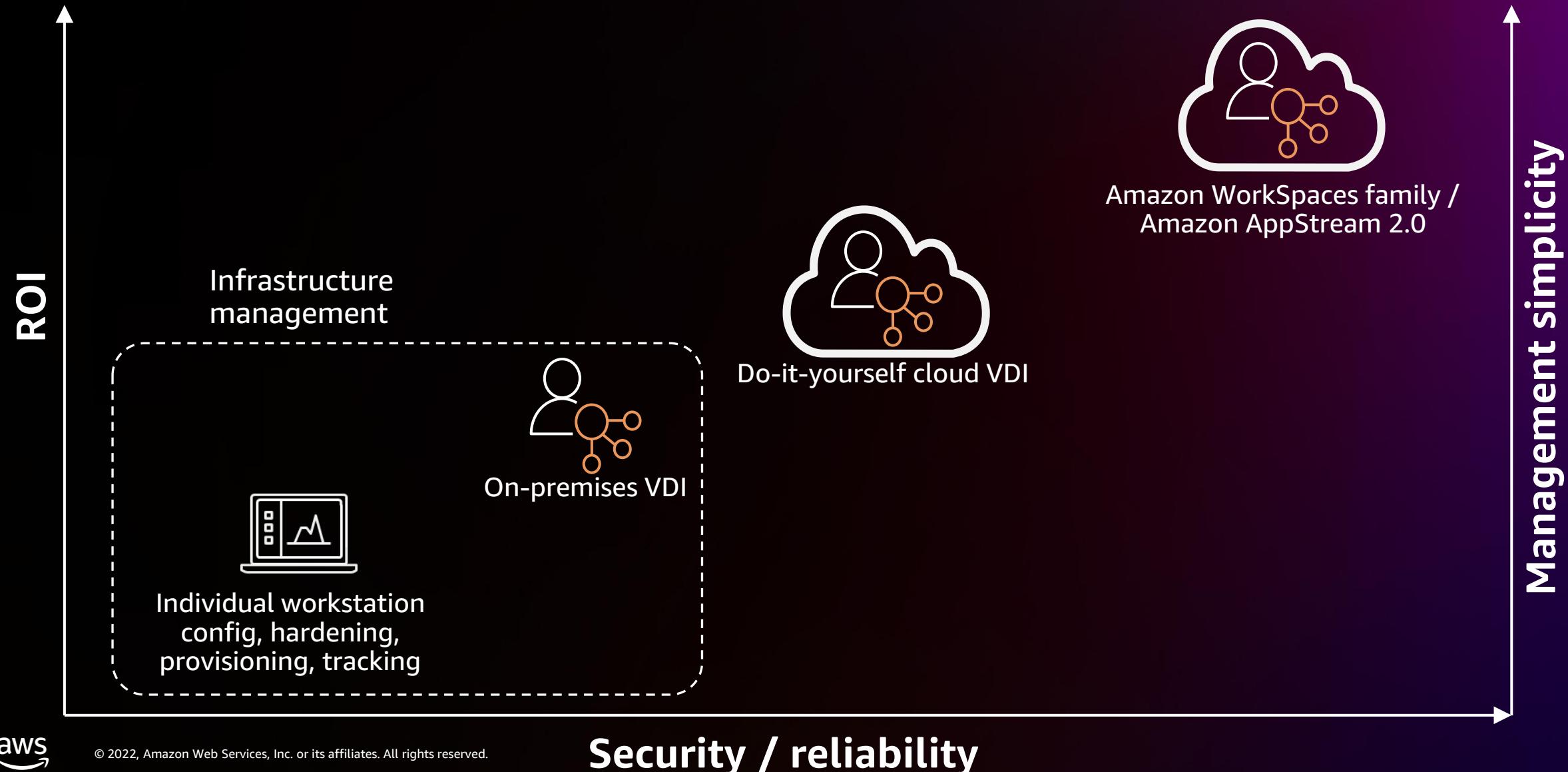


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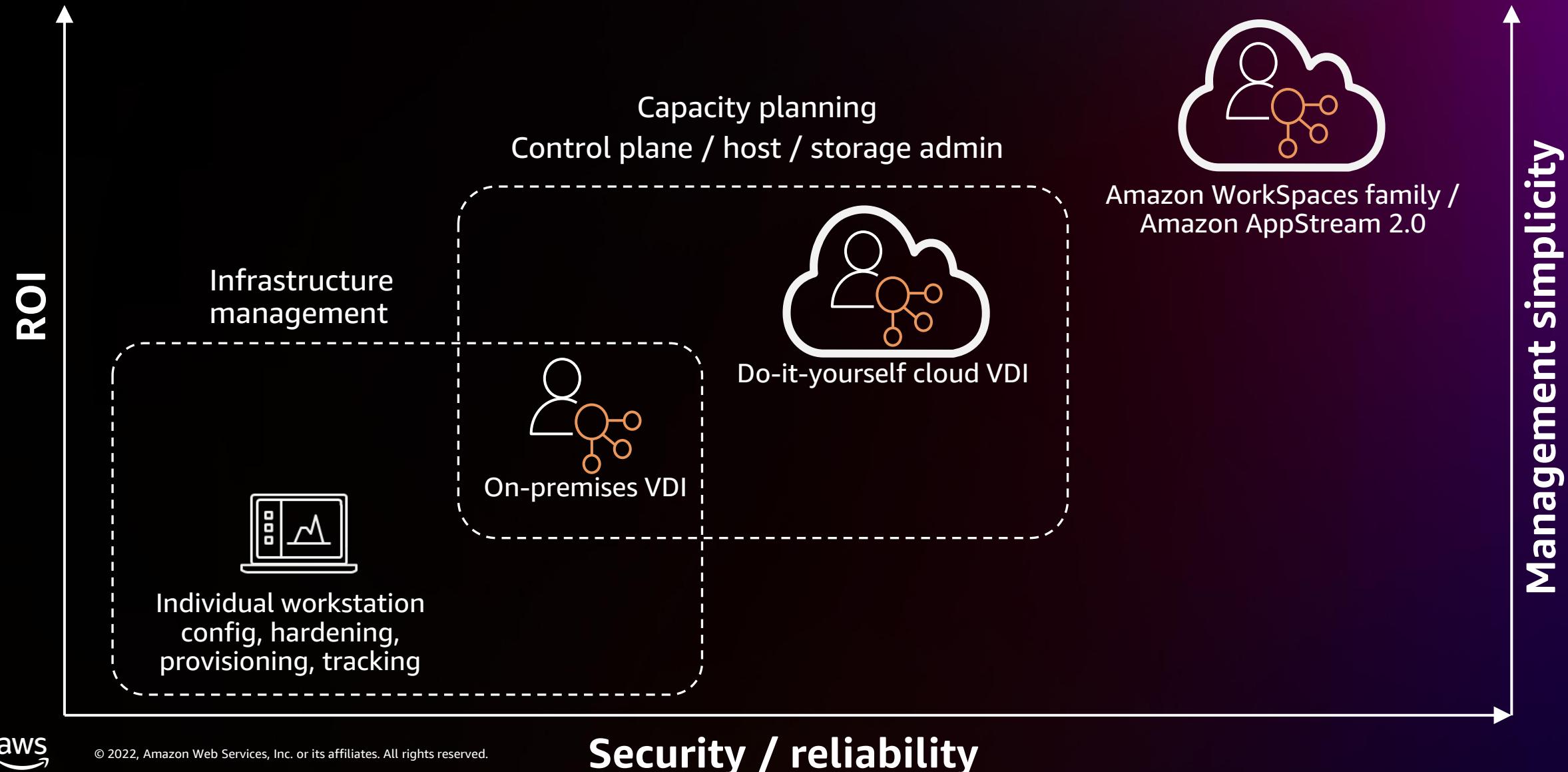
Evolution of workforce enablement



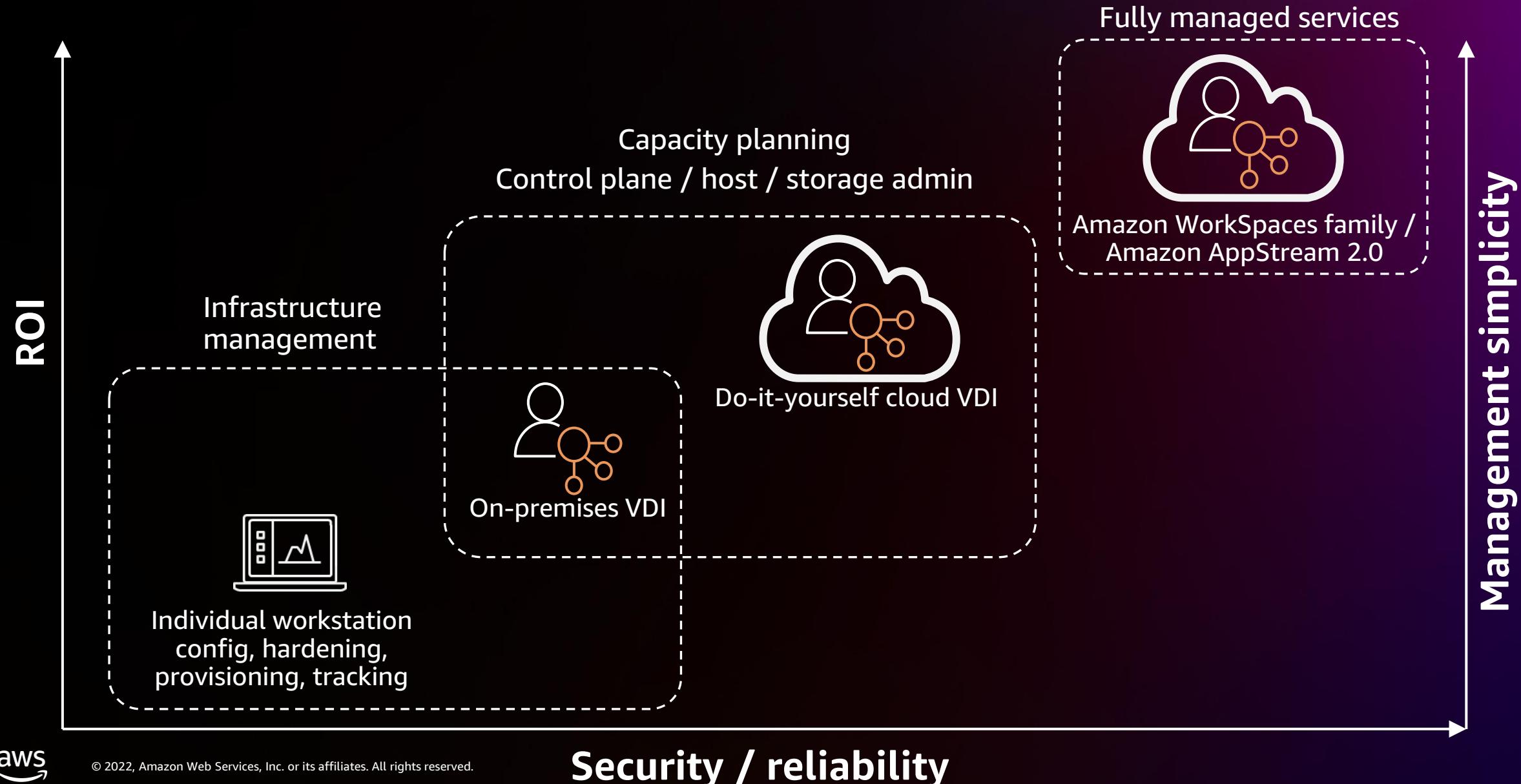
Evolution of workforce enablement



Evolution of workforce enablement



Evolution of workforce enablement



AWS virtual desktop services

WorkSpaces (fully persistent desktops)

AppStream 2.0 (selective persistence)

All-inclusive virtual desktop services

WorkSpaces Core

Virtual desktop infrastructure APIs for
customers' third-party VDI software

WorkSpaces Web

Secure browser service for access to
internal websites and SaaS apps



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Managed infrastructure

Secure

Reliable

Scalable / Pay-as-you-go

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User and management interface

AWS console and client

Third-party VDI software

Secure, browser-only

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Third-party VDI software

Secure, browser-only

Configurability

CPU, memory, storage, GPU-accelerated config options

>300 enterprise policies

“Managed” makes a difference

Solution stack	AWS end user computing services			
	On-premises VDI	DIY cloud VDI	WorkSpaces Core	WorkSpaces, AppStream 2.0, WorkSpaces Web
Image management	○	○	○	○ *
Directory services and policies	○	○	○	○
VDI control plane install and admin	○	○	Customer or partner	✓
Host admin	○	○	✓	✓
Storage admin	○	○	✓	✓
Load balancers install and admin	○	✓	✓	✓
Hypervisor install and admin	○	✓	✓	✓
Physical security	○	✓	✓	✓
Power / HVAC	○	✓	✓	✓
Rack and stack	○	✓	✓	✓

○ Customer- or partner-managed

✓ AWS managed

* No image management required for WorkSpaces Web

Fully managed vs. self-managed

Fully managed vs. self-managed



Amazon
AppStream 2.0



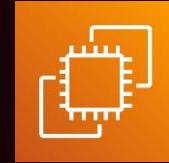
Amazon
WorkSpaces



Amazon
WorkSpaces Web



NICE DCV



Amazon EC2

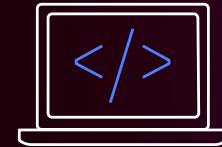


Amazon EBS



Fully managed

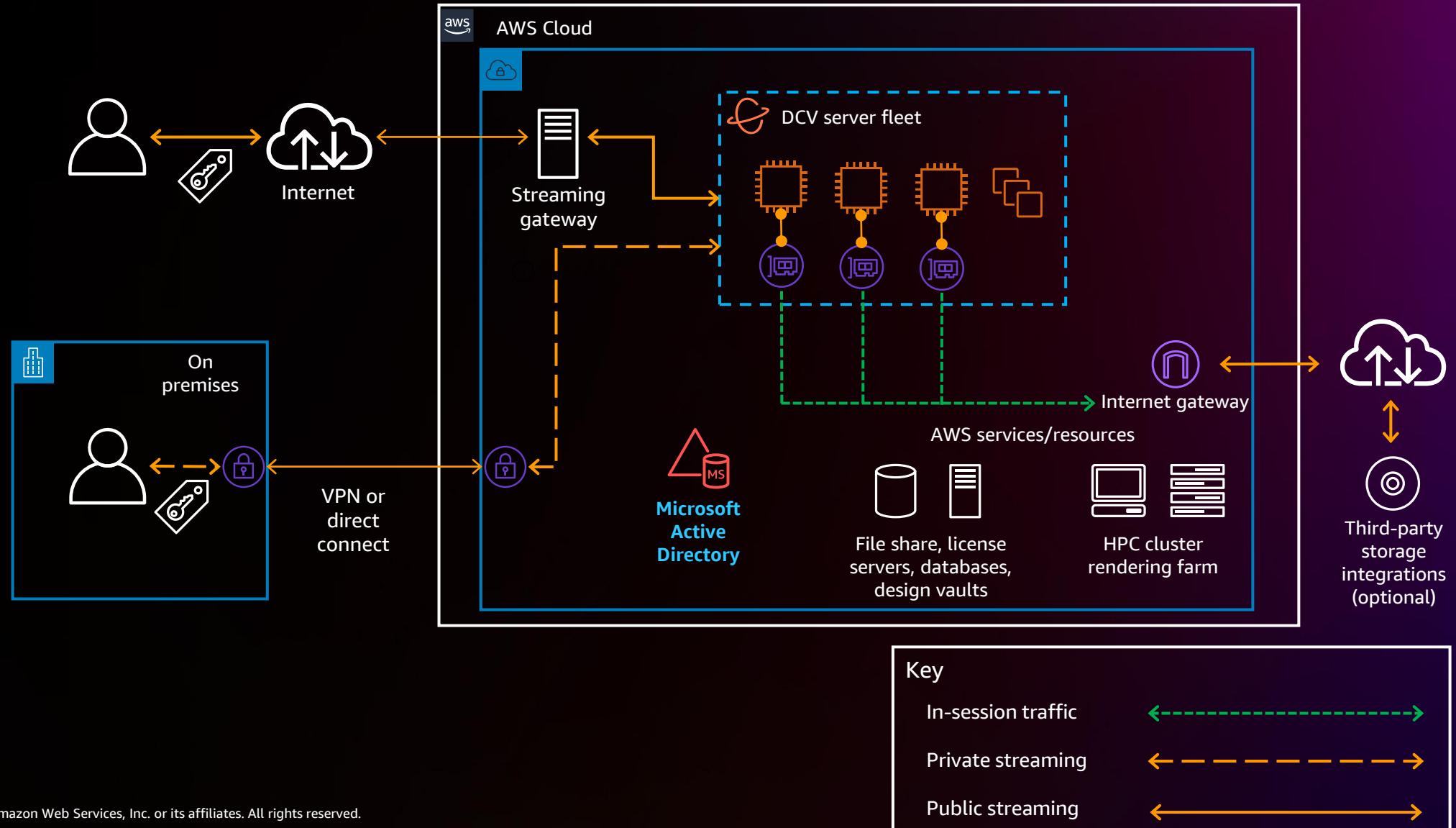
- Windows and Linux
- AWS only
- Scale without infrastructure management or capacity planning
- Pricing based on service consumed



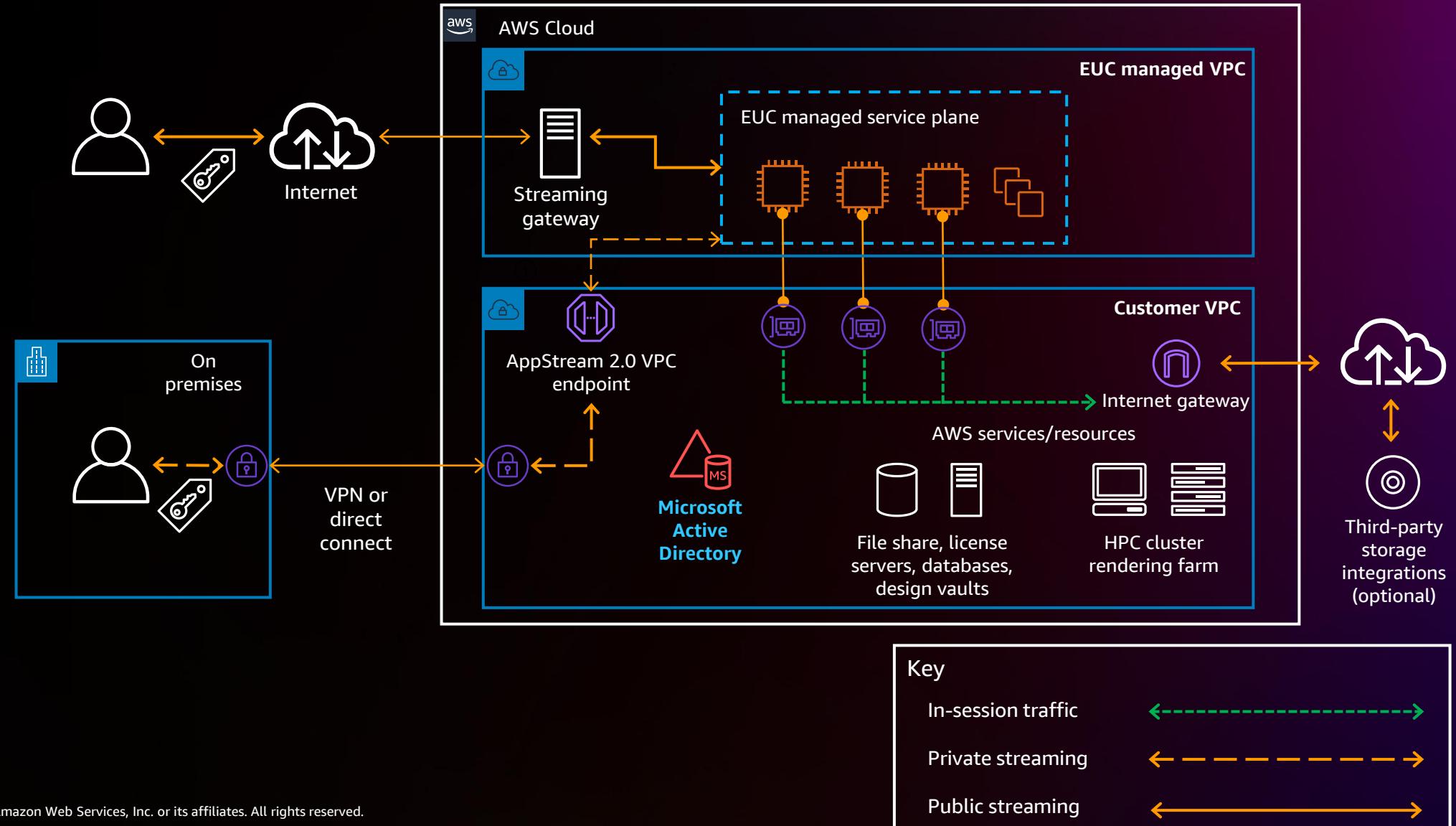
Self-managed

- Windows and Linux
- AWS and on premises
- Need to manage infrastructure
- Pricing based on compute and storage consumed

Self-managed architecture



Fully managed architecture



Example scenarios

End user computing: other track sessions

Type	Code	Level	Day / Time	Title	Speakers
Breakouts	EUC 202	200	11/28, 5:30p – 6:30p	What's new with Amazon WorkSpaces, Amazon AppStream 2.0 & WorkSpaces Web	Hassan Ta, Rey Wang
	EUC 204	200	11/29, 2:00p – 3:00p	Creating remote work environments that optimize security and productivity	Melissa Stein
	EUC 201	200	11/29, 5:00p – 6:00p	Creating the workplace of the future with AWS end user computing	Muneer Mirza
	EUC 307	300	11/30, 8:30a – 9:30a	Accelerating SaaS conversion of legacy applications	Gurinder Raju
	EUC 203	200	11/30, 10:00a – 11:00a	Creating flexibility and choice for VDI management with Amazon WorkSpaces	Kevin Goodman
Chalk talks	EUC 310	300	11/29, 12:30p – 1:30p	Streamlining log-on experience for Amazon WorkSpaces and AppStream 2.0	Asriel Agronin
	EUC 205 – R1	200	11/29, 2:45p-3:45p	Managing application deployment in an Amazon WorkSpaces environment	Sam Goad
	EUC 302	300	11/29, 3:30p – 4:30p	No refactoring required: Turning legacy applications into SaaS	Dave Jaskie
	EUC 309	300	11/30, 10:00a – 11:00a	Choosing an Amazon AppStream 2.0 fleet to reduce costs & optimize experience	Manav Verma
	EUC 312	300	11/30, 2:30p – 3:30p	Securing end user computing workloads on AWS end user computing services	Michael Matts
	EUC 308	300	11/30, 5:30p – 6:30p	Best practices for migrating on-premises VDI workloads to the cloud	Phil Persson
	EUC 301 – R1	300	12/01, 11:45a – 12:45p	Securely stream AWS workloads to your remote workers	Andrew Morgan, Ariel Fu

End user computing: other track sessions

Type	Code	Level	Day / Time	Title	Speakers
Workshops	EUC 303	300	11/29, 2:45p – 4:45p	Getting started with Amazon AppStream 2.0	Dylan Barlett
	EUC 304	300	11/30, 11:30a – 1:30p	Enable secure access to private resources with Amazon WorkSpaces Web	Spencer DeBrosse, Grant Joslyn
	EUC 306 – R1	300	11/30, 3:15p – 5:15p	Getting started with Amazon WorkSpaces	Dave Jaskie
Builders	EUC 313	300	11/29, 11:00a – 12:00p	Building streaming applications using Amazon AppStream 2.0 Elastic fleets	Don Scott
	EUC 313 – R1	300	11/30, 4:00p – 5:00p	Building streaming applications using Amazon AppStream 2.0 Elastic fleets	Don Scott
Theater	EUC 001	NA	11/30, 2:30p – 2:50p	Maximize employee experience with Amazon WorkSpaces & AppStream 2.0	Stephen Stetler
	EUC 002	NA	11/30, 3:00p – 3:20p	Modernize your virtual desktop infrastructure with Amazon WorkSpaces	Andrew Kloman

Learn more about AWS end user computing

AWS re:Invent

AWS End User Computing Reception

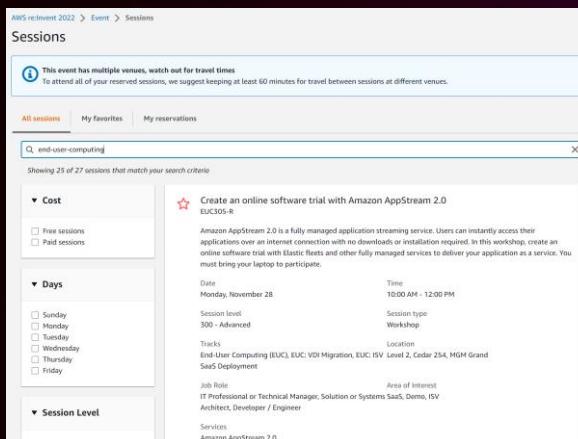
November 30, 2022 | 6:00PM - 9:00PM PST

Electra Cocktail Club, 3325 South Las Vegas Boulevard, Las Vegas, NV 89109



bit.ly/3hMzcVB

Visit the EUC re:Invent
session catalog



The screenshot shows the AWS re:Invent 2022 session catalog interface. The search bar at the top contains the text 'end-user-computing'. Below the search bar, a message states 'Showing 25 of 27 sessions that match your search criteria'. On the left, there are filters for 'Cost' (Free sessions, Paid sessions), 'Days' (Sunday, Monday, Tuesday, Wednesday, Thursday, Friday), and 'Session Level' (100 - Educational). On the right, a specific session is highlighted: 'Create an online software trial with Amazon AppStream 2.0' (EUC05-#). The session details include: Date: Monday, November 28; Time: 10:00 AM - 12:00 PM; Session type: Workshop; Location: End-User Computing (EUC), EUC: VOI Migration, EUC: ISV Level 2, Cedar 254, MGM Grand; Job Role: IT Professional or Technical Manager; Area of Interest: Architect, Developer / Engineer; Services: Amazon AppStream 2.0.



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Thank you!

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Please complete the session survey in the **mobile app**