
AWS
re:Invent
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EUC203

Creating flexibility and choice for VDI management with Amazon WorkSpaces

Kevin Goodman

Director,
AWS End User Computing
AWS

Andrew Kloman

Principal Partner SA,
AWS End User Computing
AWS

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Agenda

- Common challenges with VDI cloud migration
- Meeting your business objectives with Amazon WorkSpaces Core
- WorkSpaces Core: VDI migration considerations
- Getting started with WorkSpaces Core
- Demo

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Market challenges for VDI cloud migration

"The most significant market development in 2021 was the collapse of the IT operations population supporting end-user computing."

Shannon Kalvar,
IDC



Managing complexity across hybrid cloud and on-premises VDI deployments



Retraining or replacing IT staff to support cloud infrastructure



Unnecessary spending driven by continuous over/under capacity management

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WorkSpaces Core

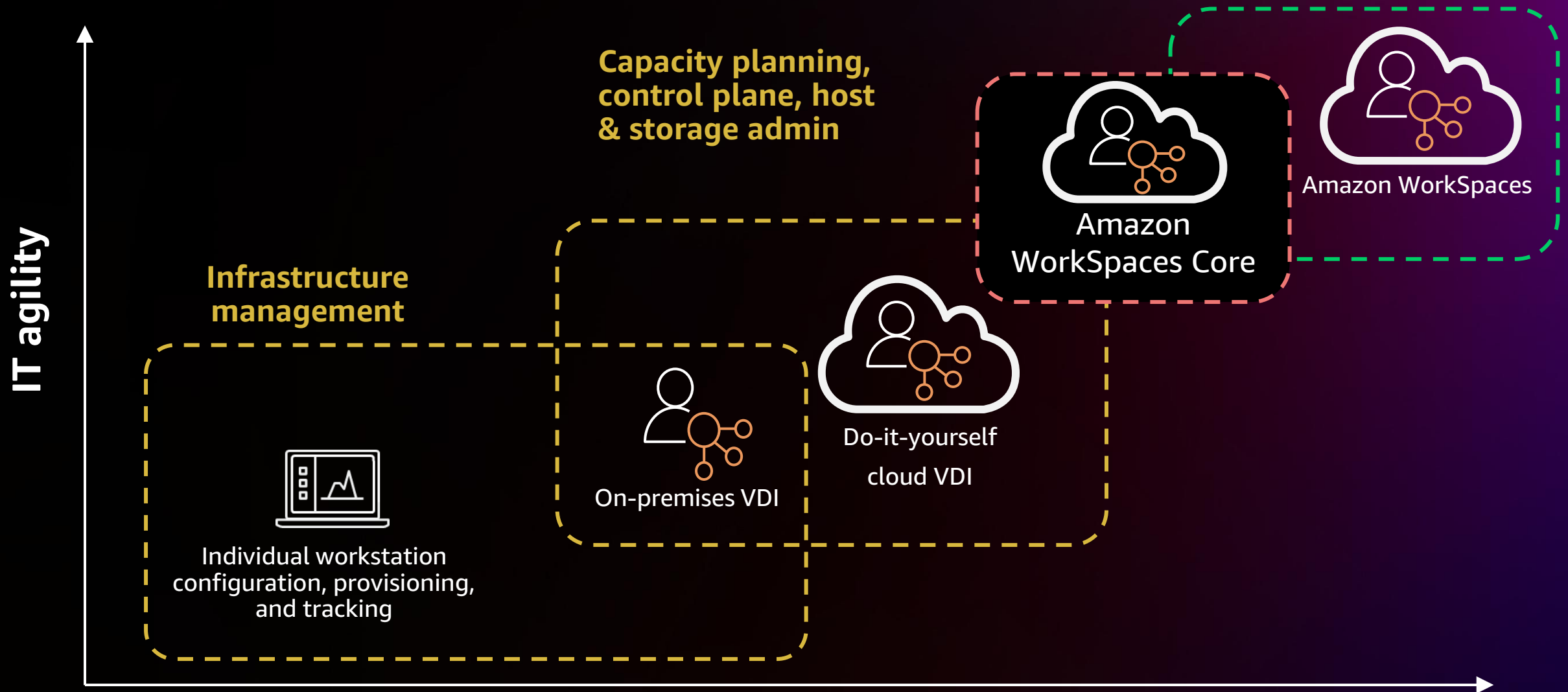
Builders use WorkSpaces Core **APIs** to easily provide WorkSpaces capabilities for their solutions with select, purpose-built infrastructure components



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Evolution of the virtual desktop

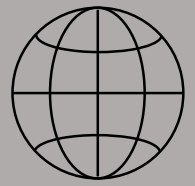
- Fully managed
- Scale on demand
- Pay as you go



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WorkSpaces Core: Infrastructure-only offering

Rapid deployment



Deploy VDI workloads on Amazon WorkSpaces Core from existing VDI management solutions

Rapid deployment

Curated machine choices for desktop user personas make it easier to get started

Unified management



Manage cloud-hosted and on-premises workloads from single management platform

Eliminate cloud infrastructure learning curve for IT administrators

Visibility across entire VDI user base

Optimized spending



Fixed rate–pay as you go

No upfront costs

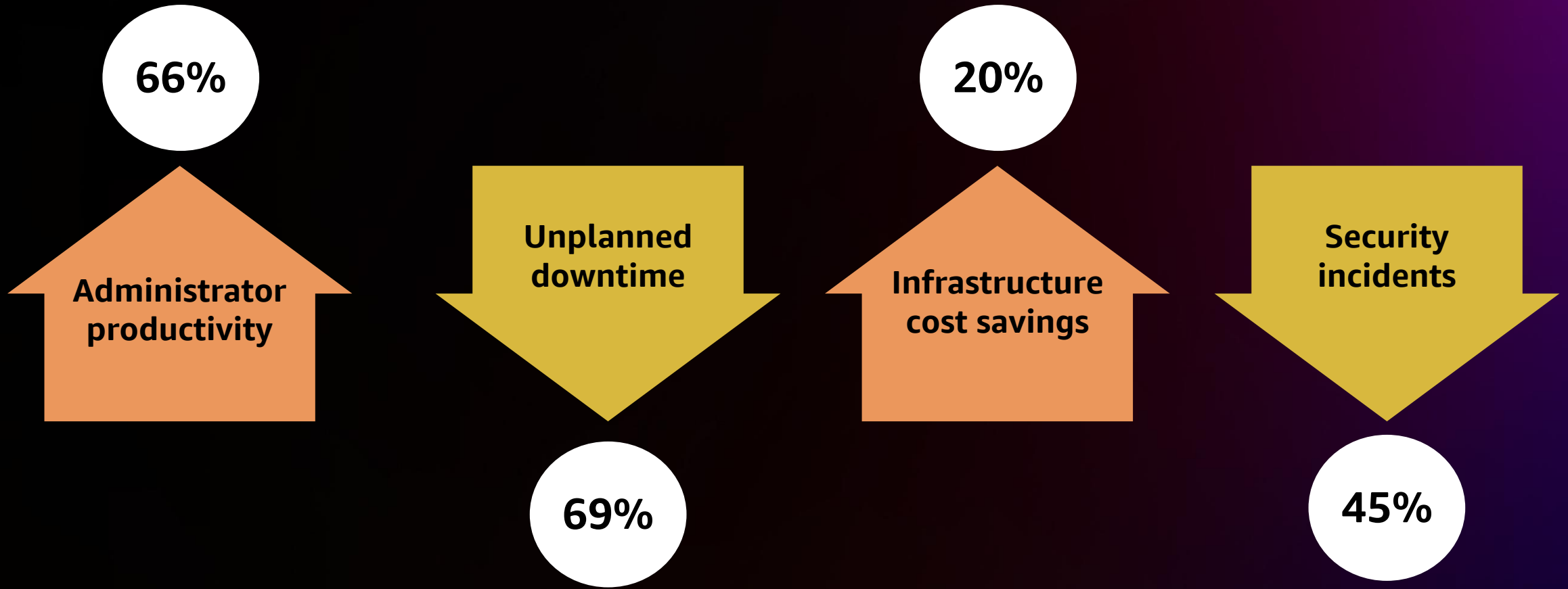
Monthly and hourly billing

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Leverage the power of AWS

Organizations who migrated to AWS from on premises saw on average:



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Source: The Hackett Group," The business value of migration to Amazon Web Services," http://bit.ly/3tT8v4i.

Managed makes a difference

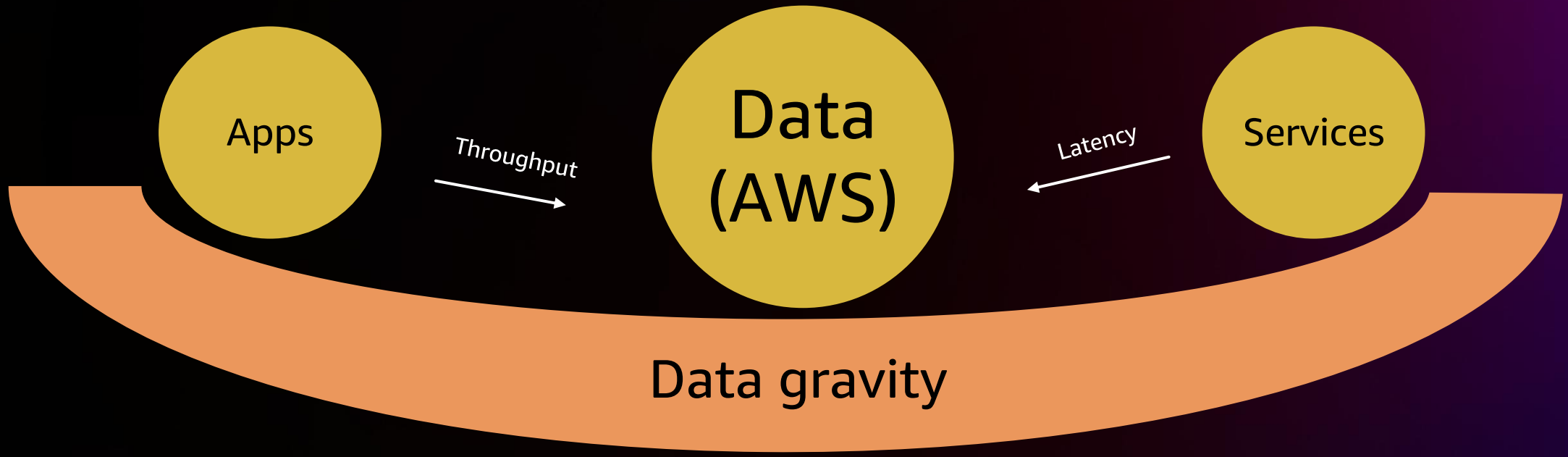
			AWS end user computing services	
Solution stack	**On-premises VDI**	**DIY cloud VDI**	**Amazon WorkSpaces Core**	**Amazon AppStream 2.0, WorkSpaces, WorkSpaces Web**
Image management	○	○	○	○ *
Directory services and policies	○	○	○	○
VDI control plane install and admin	○	○	Customer or partner	✓
Host admin	○	○	✓	✓
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

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Maximize user experience and performance

LOCATE VIRTUAL DESKTOP CLOSER TO CORPORATE DATA ON AWS



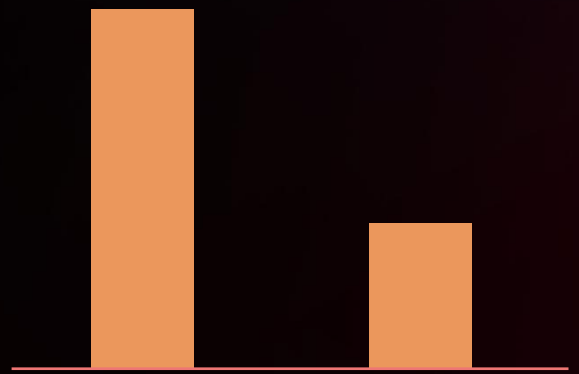
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Spend efficiently and control costs

FORRESTER–TOTAL ECONOMIC IMPACT

Cost savings (TCO)

Infrastructure cost savings/ avoidance from moving to the cloud



41%

Savings over 3 years with on-prem hardware/software refresh



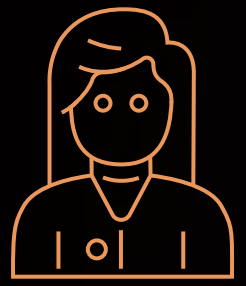
15%

Savings over 3 years with no on-prem hardware/software refresh

*AWS EUC service is AppStream 2.0 (always-on)
41% assumes 1 complete hardware & software refresh during this time period
Without a hardware & software refresh during this time period, savings is closer to 5% yearly; 15% over 3 years

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WorkSpaces Core: VDI migration considerations



Consistent user and administrative experience



Flexibility and choice for VDI clients and protocols

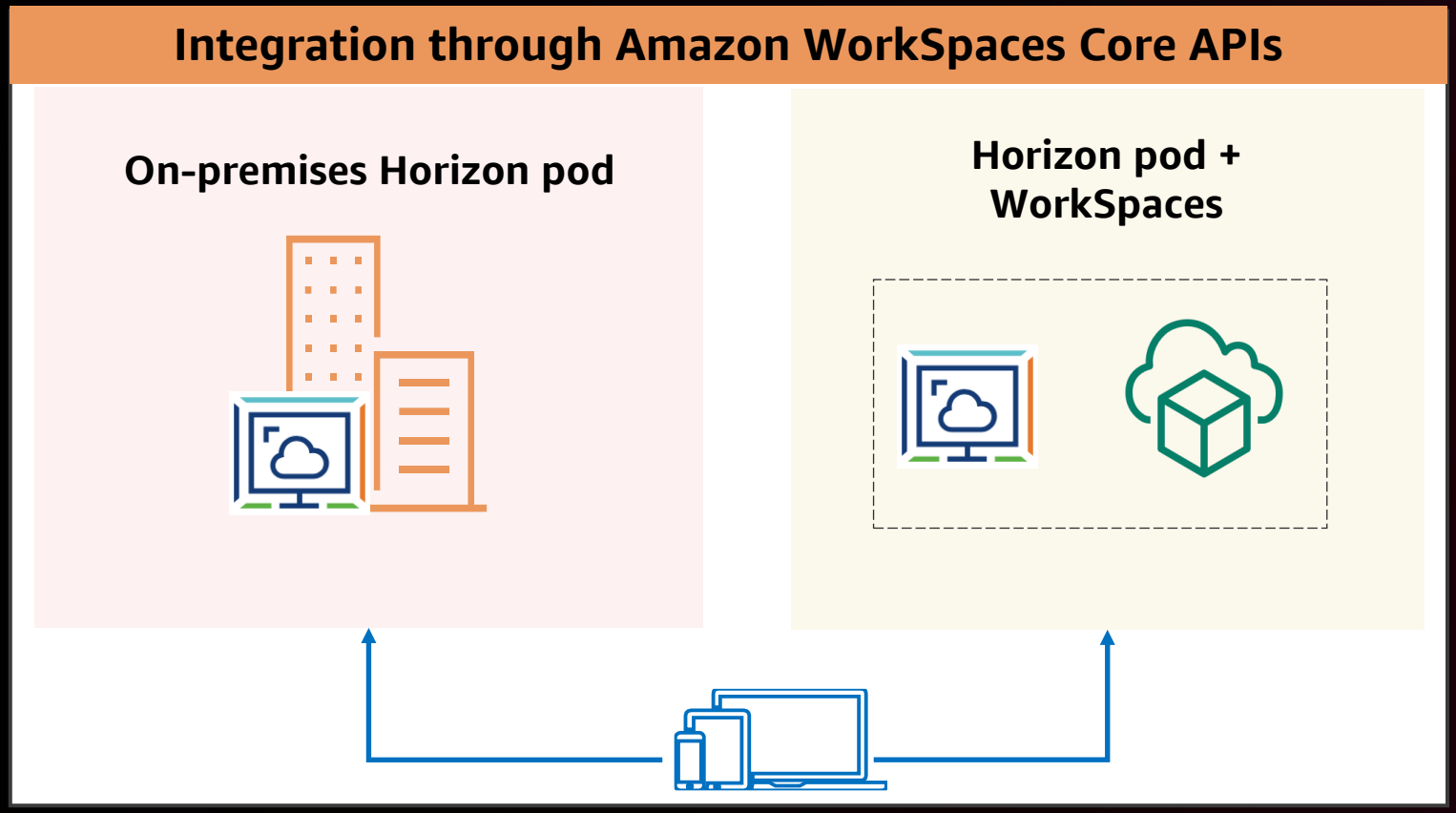


Hybrid VDI support with coordinated technical support

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VMware Horizon and WorkSpaces Core

PROVIDING FLEXIBILITY AND CHOICE FOR YOUR VDI AND DAAS ENVIRONMENTS



- Choose to deploy Horizon anywhere, including WorkSpaces
- Deliver great end user experience and performance for improved productivity
- Leverage the reliability, security, and distributed nature of AWS infrastructure

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Amazon WorkSpaces family services

WorkSpaces AppStream 2.0	WorkSpaces Core	WorkSpaces Web
All-inclusive virtual desktop services	Virtual desktop infrastructure APIs for customers' third party VDI software	Secure browser service for access to internal websites and SaaS apps

Managed infrastructure

Secure
Reliable
Scalable/pay as you go

User & management interface

AWS Console & client	Third party VDI software	Secure, browser-only

Configurability

CPU, memory, storage, GPU-accelerated config options	>300 enterprise policies

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Sounds great, how much does it cost?

- Workspaces Core instances are priced **20% less** than Amazon WorkSpaces
- **Freedom and flexibility** to choose VDI management software that best fits your needs
- All of the cost savings that come with a **fully-managed VDI solution**

Learn more
https://aws.amazon.com/workspaces/pricing/#core

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VMware Horizon 8 on WorkSpaces demonstration

Andrew Kloman
Principal Partner Solution Architect, AWS End User Computing

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Key takeaways

Migrate to the cloud at your own pace – **hybrid VDI**

Reduce IT resources with **fully managed** VDI infrastructure

Leverage existing VDI **client/management experience**

Locate virtual desktop closer to other corporate resources for **better performance**



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How do I get started with WorkSpaces Core?

Learn more
https://aws.amazon.com/workspaces/workspaces-core

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Please join us this evening

AWS end user computing customer reception

Electra Cocktail Club,
Palazzo, 6:00–9:00 PM



Register here

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End user computing: Other track sessions

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

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End user computing: other track sessions

Type	Level	Day / Time	Title	Speakers	Code
Workshops	300	Nov. 29, 2:45–4:45 PM	Getting started with Amazon AppStream 2.0	Dylan Barlett	EUC 303
	300	Nov. 30, 11:30–1:30 PM	Enable secure access to private resources with Amazon WorkSpaces Web	Spencer DeBrosse, Grant Joslyn	EUC 304
	300	Nov. 28, 10:00 AM–Noon	Create an online software trial with Amazon AppStream 2.0	Jeremy Schiefer	EUC 305
	300	Nov. 28, 1:45–3:45 PM	Getting started with Amazon WorkSpaces	Dave Jaskie	EUC 306
Builders	300	Nov. 28, 4:00–5:00 PM	Building a secure end user computing environment for power users	Robert Fountain	EUC 311
	300	Nov. 29, 11:00 AM–Noon	Building streaming applications using Amazon AppStream 2.0 Elastic fleets	Don Scott	EUC 313
Theater	NA	Nov. 30, 2:30–2:50 PM	Maximize employee experience with Amazon WorkSpaces & AppStream 2.0	Stephen Stetler	EUC 001
	NA	Nov. 30, 3:00–3:20 PM	Modernize your virtual desktop infrastructure with Amazon WorkSpaces	Andrew Kloman	EUC 002

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Thank you!

Kevin Goodman
goodkv@amazon.com

Andrew Kloman
akloman@amazon.com



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