AWS re:Invent

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EUC303

When to choose Amazon WorkSpaces and Amazon AppStream 2.0

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Agenda

- AWS End User Computing (EUC) services
- Example scenarios
- Q&A

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The challenge for empowering modern users

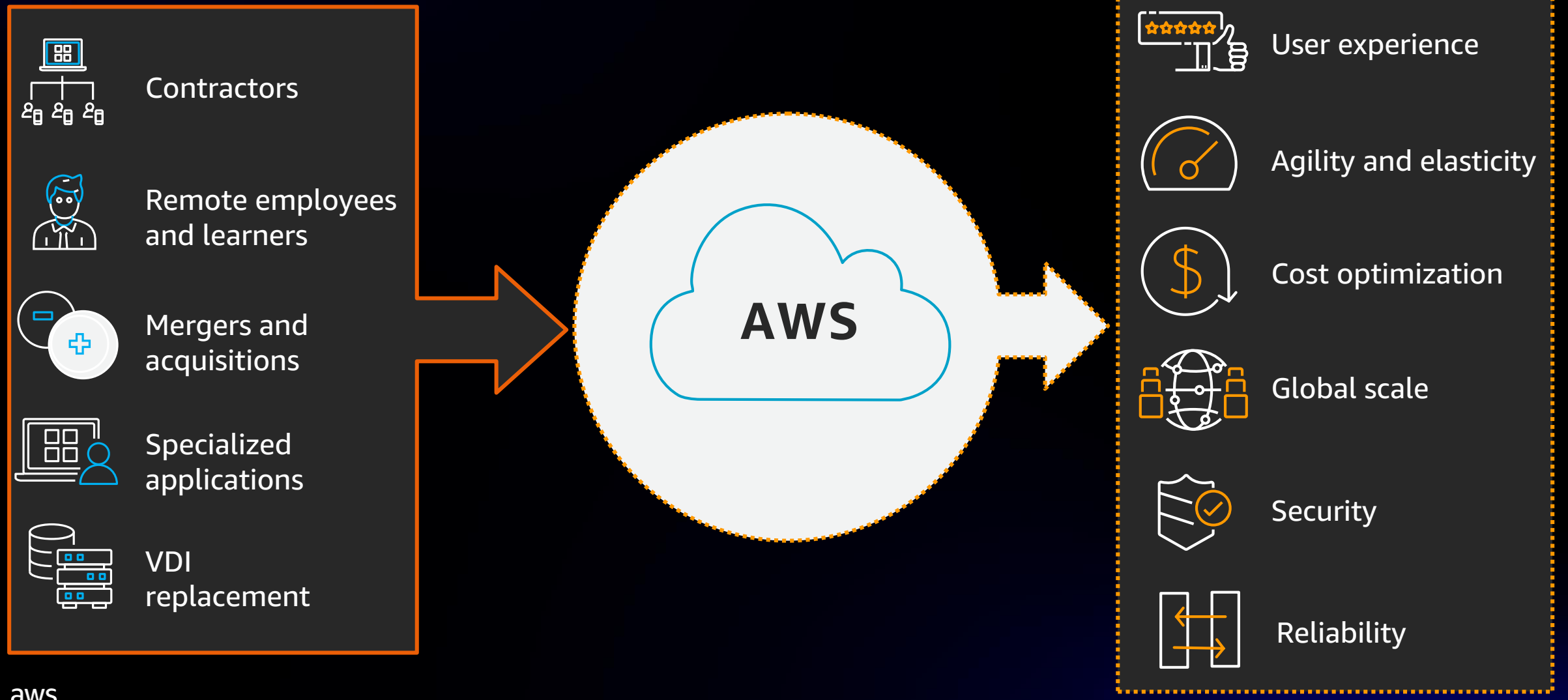
More **distributed** and **flexible** workforce and learners

need to improve **productivity** while reducing **cost**

while raising the bar on **security** and **reliability**

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Customers are choosing AWS



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Fully managed EUC services

AWS EUC services	Cloud VDI	On-premises VDI
Image management	Image management	Image management
Directory services and policies	Directory services and policies	Directory services and policies
VDI control plane install and admin	VDI control plane install and admin	VDI control plane install and admin
Host admin	Host admin	Host admin
Storage admin	Storage admin	Storage admin
Load balancers install and admin	Load balancers install and admin	Load balancers install and admin
Hypervisor install and admin	Hypervisor install and admin	Hypervisor install and admin
Physical security	Physical security	Physical security
Power, HVAC	Power, HVAC	Power, HVAC
Rack and stack	Rack and stack	Rack and stack

Service managed | Customer managed

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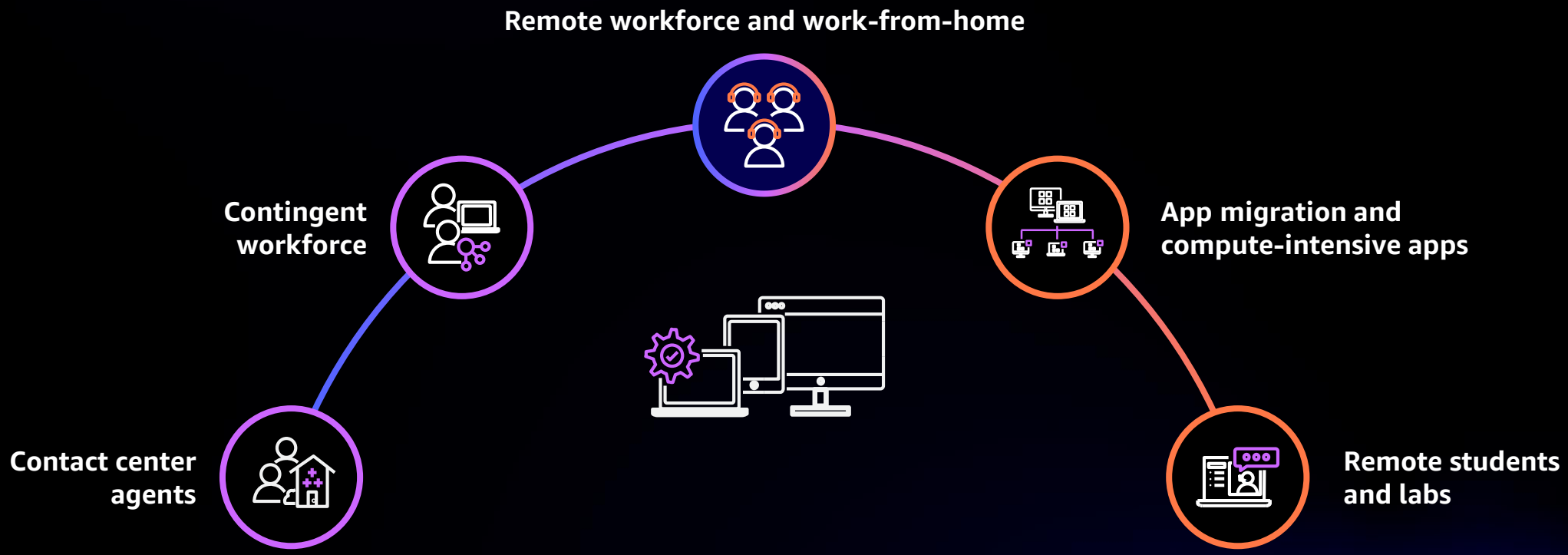
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Amazon WorkSpaces

Cloud-native persistent desktops

Amazon AppStream 2.0

Cloud-native non-persistent apps and desktops



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The right solution for your needs

Amazon WorkSpaces

Cloud-native persistent desktops

User gets their own desktop

Same instance every time the user logs in
User customizations persist between logins
Managed like a desktop or laptop
Deployed for each named user

Amazon AppStream 2.0 (desktop view)

Cloud-native non-persistent desktops

User gets a new desktop every time

New instance each time the user logs in
Only admin-chosen customizations persist between logins
Managed like a kiosk
Deployed for expectation of multiple users

Amazon AppStream 2.0 (app view)

Cloud-native apps

User sees just their applications every time

New instance each time the user logs in
Only admin-chosen customizations persist between logins
Managed like a kiosk
Deployed for expectation of multiple users

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Not one size fits all, but a pattern

More likely to choose

Amazon AppStream 2.0

Specialists and task workers
Contact center agents
Offshoring and business process task workers
Contingent task workers
Students

Communal devices
Shop floor kiosks
Front-line workers
Educational labs and classes
Bastion hosts

User gets a temporary desktop

Equally likely to choose

AppStream 2.0 or WorkSpaces

Visualization
HPC
Media and entertainment rendering
Data

Design and engineering
Graphics designer
CAD / CAM

Customers choose based on the applications and end user experience needed

More likely to choose

Amazon WorkSpaces

Specialists and knowledge workers
Knowledge worker contingent workforce
Software developers and testers
Knowledge worker FTE remote work
M&A
Interns

Personal and impersonal devices
Bring your own device
Robotic process automation (RPA)

User gets their own desktop

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Choosing the right solution

Amazon WorkSpaces

Cloud-native persistent desktops

Monthly or hourly pricing

OS: Windows and Linux
Instances: Value, Standard, Performance, Power, Power Pro

OS: Windows Only
Instances: Graphics, Graphics Pro

Amazon AppStream 2.0

Cloud-native non-persistent apps and desktops

Hourly pricing

OS: Windows and Linux
Instances: General Purpose, Compute Optimized, Memory Optimized, Graphics G4, Graphics Design, Graphics Pro

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Global footprint

	WorkSpaces	AppStream 2.0
Northern Virginia	X	X
Oregon	X	X
GovCloud (US-West)	X	X
Montreal	X	
London	X	X
Ireland	X	X
Frankfurt	X	X
Singapore	X	X
Tokyo	X	X
Sydney	X	X
Seoul	X	X
Sao Paolo	X	
Asia Pacific (Mumbai)	X	X
China (Ningxia)	X	



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Example scenarios

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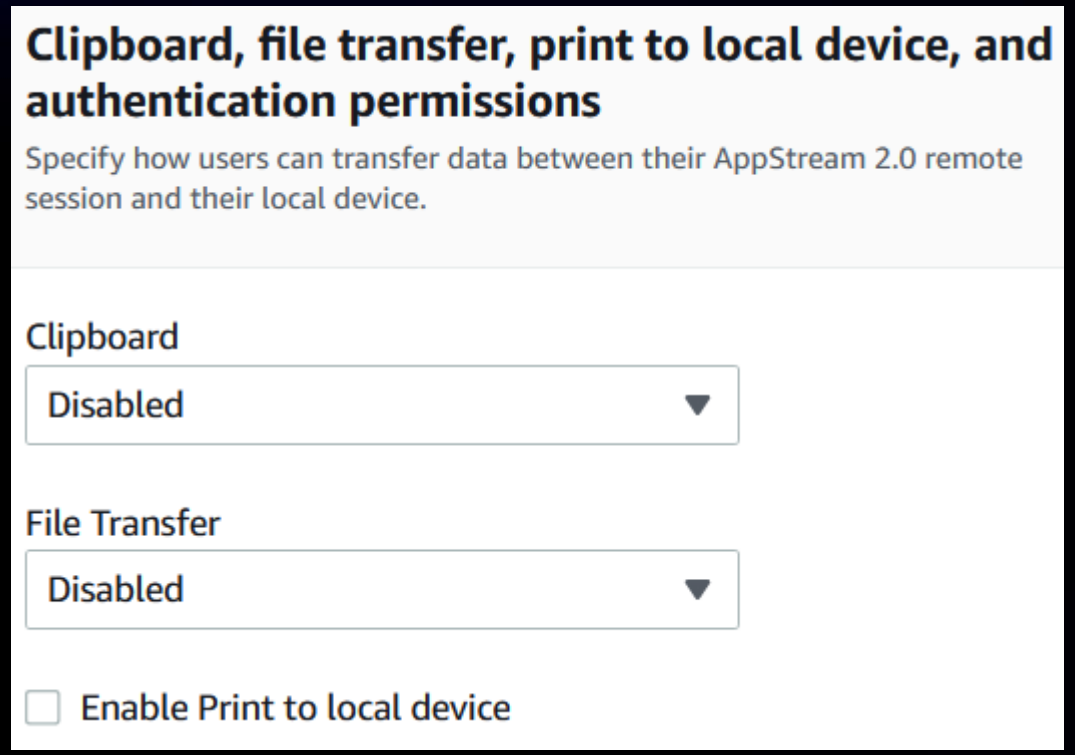
“We’re onboarding dozens of contractors for a year-long project. They’ll need access to various applications that access our network, but we don’t know exactly which ones yet. ”

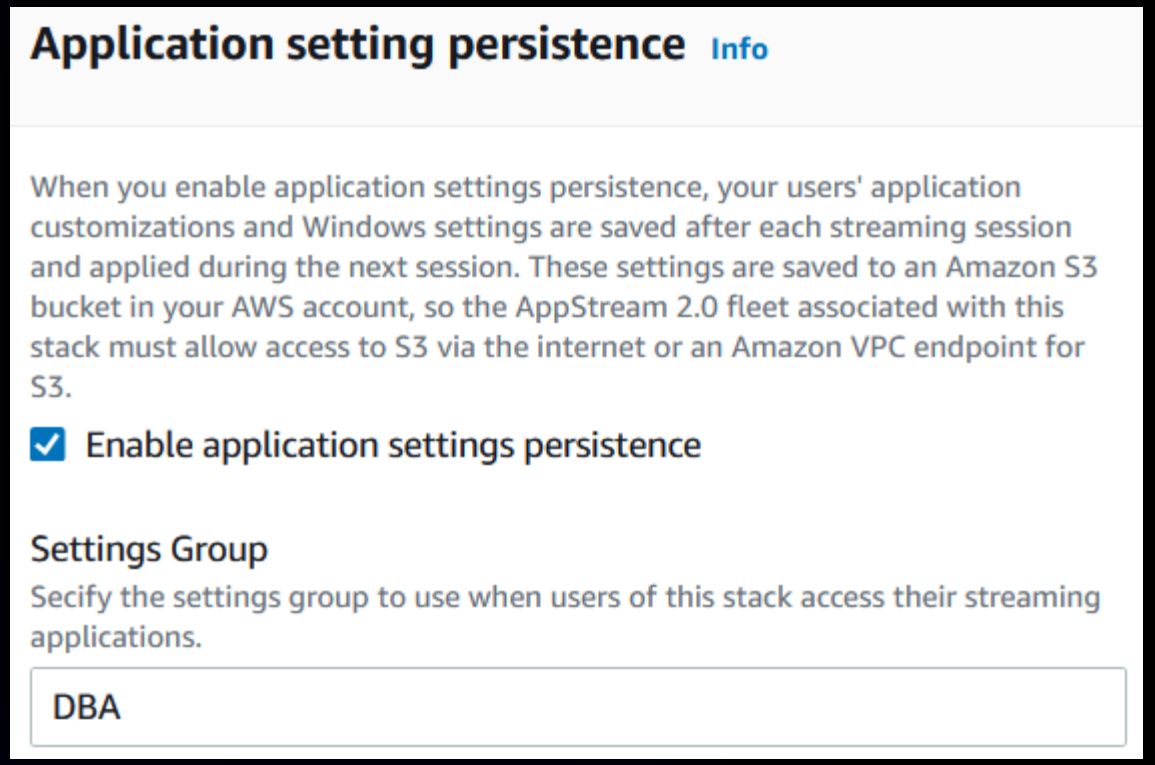
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“Our DBAs need a secure solution for administering database instances in private subnets with an approved graphical client. DBAs can customize their client configurations, but all scripts must be kept under version control.”

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Stack configuration



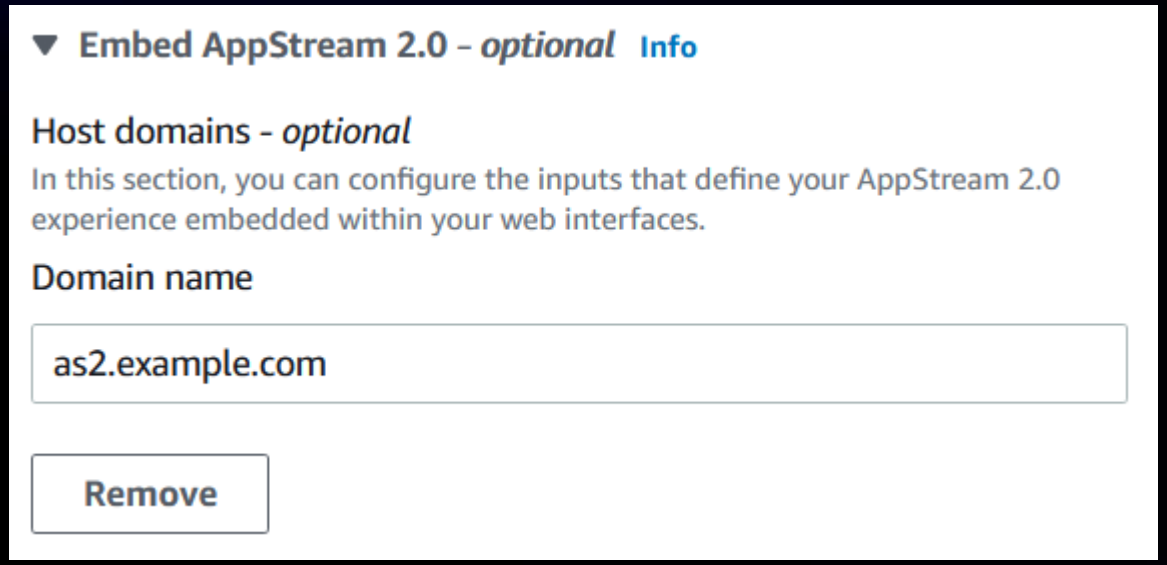


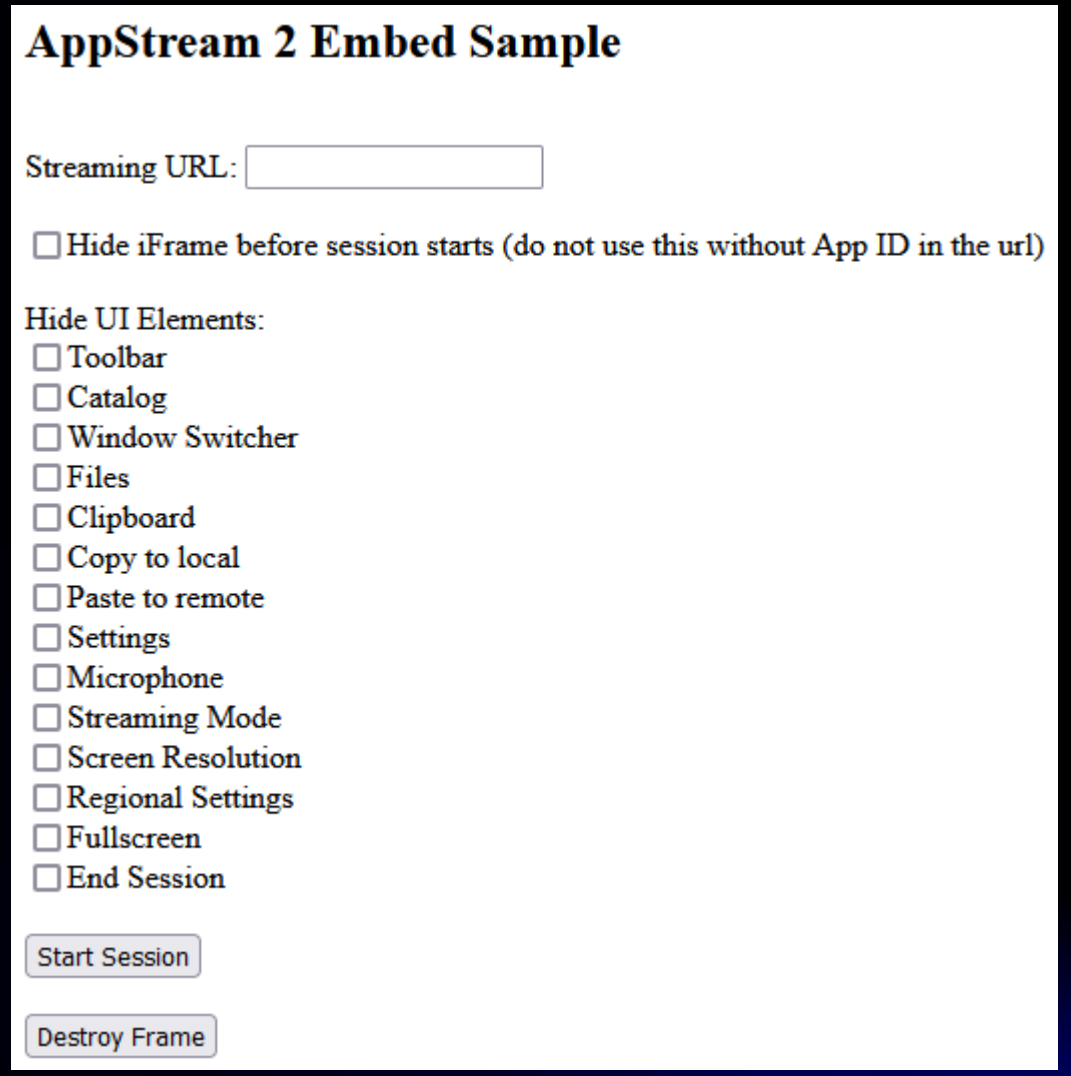
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“We sell a specialized, graphics-intensive application. We offer free trials, but the conversion rate is low due to the amount of time it takes to install and configure the application.”

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Embedded sessions





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“We want to replace our legacy on-prem VDI environment with a managed solution. We have hundreds of PCoIP Zero Clients in the field.”

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Next steps

1. Learn more at https://aws.amazon.com/products/end-user-computing/
2. Schedule an AWS EUC deep dive on your use case
3. Connect with an AWS EUC Competency Partner
4. Schedule an AWS EUC immersion day with your team

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Thank you!

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