TRG Talk:

AppStream 2.0

Work without workstations with Amazon AppStream 2.0

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Current Challenges - Engineering Workloads



Expensive Hardware



Massive Data Movement



IP & Data Security



Evolving
Workforce & Customers



Mobility



Time To Market



Software & Hardware Upgrades



Dynamic Organizations



AppStream 2.0







Co-located Compute, Graphics, Apps, Data







Demo - Try It Now



AppStream 2.0 benefits



Work without workstations



Accelerate engineering workflows



Centralize and secure apps and data



Collaborate globally



No hardware or software to manage



Consistent performance and global scale



Popular apps customers run on AppStream























Use case #1: Business apps and DevOps

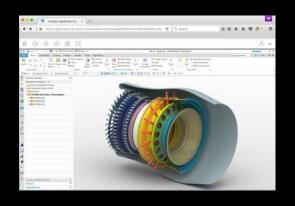


- Data no data resides on local device
- Security apps are centrally patched
- Performance apps and data co-located
- Agility no device constraints, scale on demand, with global reach
- Example SAP client, BI tools, helpdesk tools

Users want fast, secure, and instant access to app workflows



Use case #2: Design and engineering



- Speed faster, better design through simulations and quick iterations in the cloud
- Performance apps and data co-located
- Agility no device constraints
- Collaboration global, follow-the-sun workflows
- Example Design workflows for AutoCAD

Designers want cloud enabled 3D workflows



Use case #3: ISVs - Online Trials & Training

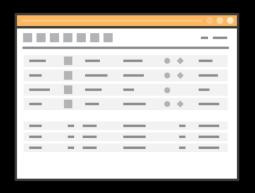


- Trials, Pre-sales software trials on demand, with no installs, or special hardware required
- Training educate new and existing users on the latest software version and features

ISVs want to quickly trial their software to customers with limited IT overhead.



Use case #4: ISVs - Software-As-A-Service



- Enable cloud platforms run apps anywhere
- SaaS convert desktop apps to web subscriptions

ISVs want to SaaSify their apps with no code rewrite.



Use case #5: Education



- Virtual labs convert physical labs to classrooms
- Any device use popular design, engineering, and, gaming apps on Chromebooks and Macs
- Online classrooms deliver coursework and labs online, including apps

Democratize the use of industry leading software by students



Simple User Experience



Simple browser interface



Use multiple apps at the same time



Identity integration (SAML, User Pools, Custom)



File upload / download



Persistent file store



Personalize (Roaming profiles)



User experience: Consistent performance



Each user gets a full virtual machine
1 user ⇔ 1 VM



Streaming Protocol (NICE DCV)



HTTPS secure access



Encrypted pixel stream



3D and business apps



Adaptive quality of service



Adaptive multi-codec



Optimized image quality



Security: Secure streams, users, apps, and instances



Secure access via streaming gateways

Firewall friendly HTTPS/443 AES-256 Encrypted Non-persistent instances

Instances terminated after every user session

Launch in your Amazon VPC

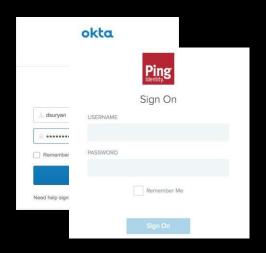
Control network access for users/apps

Data movement controls

Control file transfer, clipboard, and printing



Identity: Bring your own or built-in







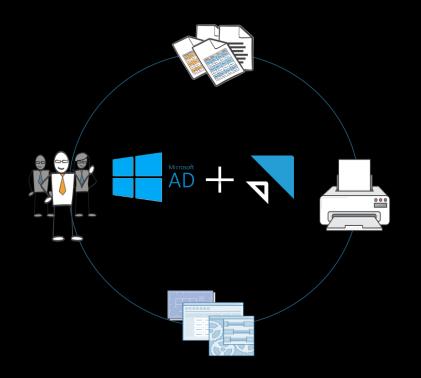
SAML 2.0

Built-in User Pool

Custom Identity



Identity: Connect to your domain



- Join AppStream to your domain (optional)
- SSO access to intranet sites

Access network file shares

Print to network printers



Data: Connect to your storage

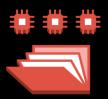






Microsoft OneDrive for Business

Google Drive (GSuite)







File upload/download from local device



AWS Storage Gateway



Instance performance matching users / apps

Standard

2 - 4 vCPU cores 4 - 8 GiB memory Starts at \$.10/hr



Compute

2 - 32 vCPU cores 4 - 60 GiB memory Starts at \$.25/hr



Memory

2 - 32 vCPU cores 15 - 244 GiB memory Starts at \$.25/hr



Graphics Design

AMD FirePro virtualized GPU 2 - 16 vCPU cores 7.5 - 61 GiB memory 1 - 8 GiB GPU Starts at \$.25/hr



Graphics Pro

NVIDIA Tesla M60 GPU 16 - 64 vCPU cores 122 - 488 GiB memory 8 - 32 GiB GPU Starts at \$2/hr





Admins: Managed environment



SDK



Console

- Integrates with your ITenvironment
- Manage through AWS SDK or console
- No hardware or software to deploy, patch, or manage
- Automatically scale to meet demand
- Monitoring support
- Use nearest region to reach global audience



Q&A

Upcoming TRG Virtual Talks

8/5 - Content Marketing for Beginners (10am)

11/5 - Blog Posts that Drive Traffic (10am)

11/5 - Creative Problem Solving during COVID-19 (3pm)

13/5 - TEBIS: what it is and how to use



THANK YOU

