



AWS EUC INNOVATION DAY 2022

Enabling Workforce Flexibility with Amazon WorkSpaces

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Agenda

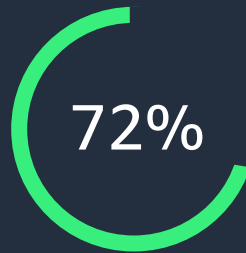
- Modern workforce IT challenges and enablement evolution
- WorkSpaces Family of services
- WorkSpaces offering expansion – delivering more choice
- Open Source and Ubuntu
- Use cases

Modern workforce creates IT challenges

Hybrid momentum

"83% of employers now say the shift to remote work has been successful for their company" – PWC study, January 2021

% US executives planning investment



Tools for virtual collaboration



Infrastructure for secure virtual connectivity

Source: [PWC Remote Work Survey](#), January 2021

IT challenges



Productivity

- End user and IT ops
- Tools and processes



Security

- IP and data protection
- Compliance mandates



Reliability

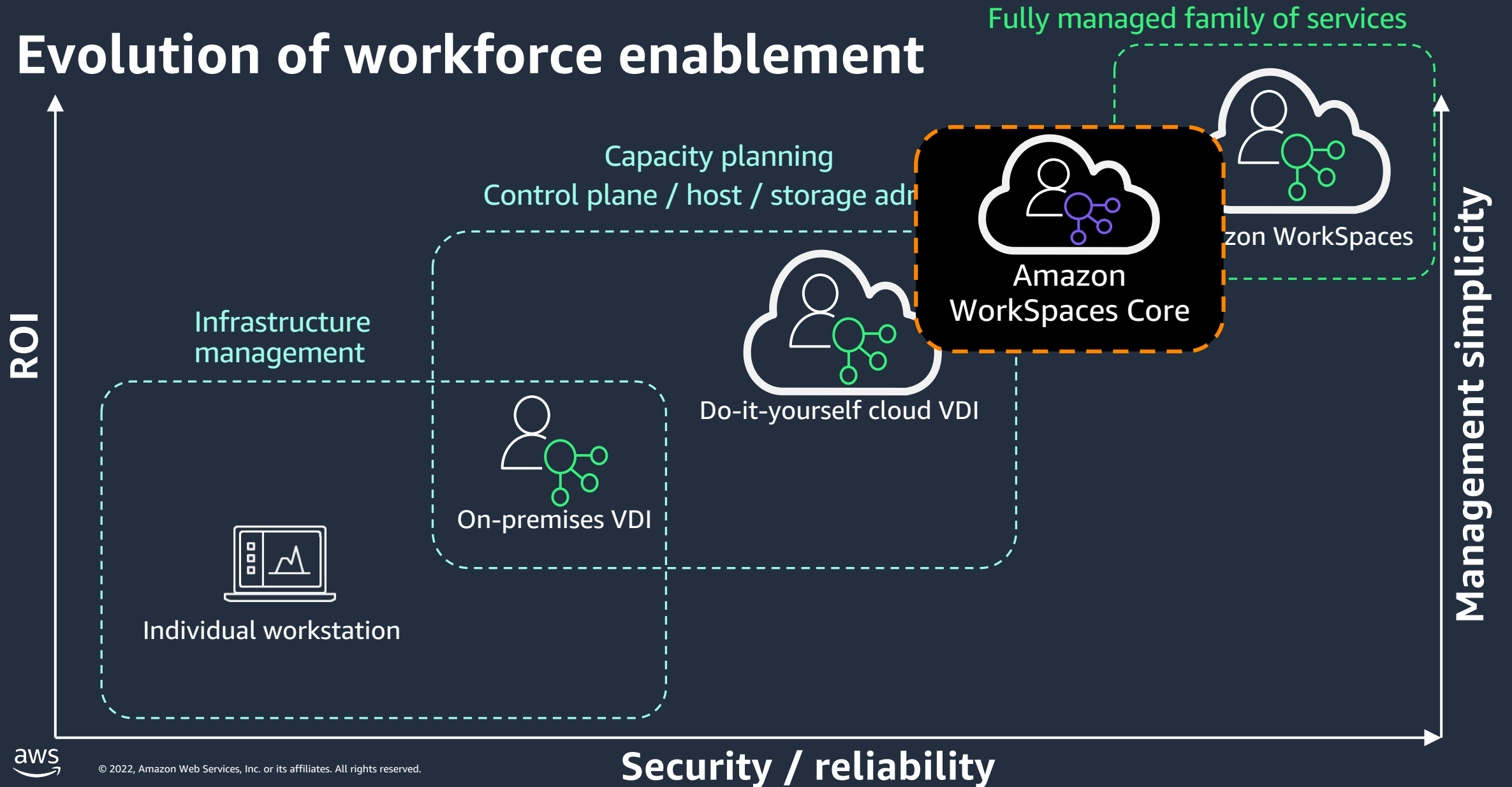
- System uptime / resiliency



Cost Management

- Infrastructure expense
- Resource utilization

Evolution of workforce enablement



Amazon WorkSpaces Family of services

Fully managed, secure, reliable, scalable virtual desktops for every workload

WorkSpaces

All-inclusive virtual desktop solutions supporting Ubuntu Desktop, Amazon Linux, and Microsoft Windows

WorkSpaces Core (new)

Virtual desktop infrastructure APIs for 3rd party VDI software

WorkSpaces Web

Secure browser solution 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 & management interface

WorkSpaces

3rd party

Secure browser

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User & management interface

WorkSpaces

3rd party

Secure browser

Configurability

CPU, memory, operating system, GPU-accelerated config options

>300 enterprise policies



Maintain a strong security / compliance posture



Remoting protocol

No app data touches the endpoint



Authentication

Certificates, MFA, Identity providers



VPC endpoint

Secure private networking



Data protection policy controls

Restrict copy/paste, printing, file download

Key certifications

- SOC
- PCII
- ISO
- FedRAMP
- DoD SRG
- HIPPA BAA
- IRAP
- MTCS
- C5
- ENS High
- OSPAR
- HITRUST CSF

Amazon WorkSpaces

A WorkSpace for every Worker and Workload

Ubuntu Desktop (New)

- Familiar Ubuntu environment
- Users with Ubuntu dev tool dependencies
- GPU accelerated configurations*

Amazon Linux

- Lowest cost Linux solution
- For users with no Linux OS Preference
- No OS requirements by dev tool ISVs

Microsoft Windows

- Familiar Windows environment
- Users with Windows dev tool dependencies
- GPU accelerated configurations

Productivity

Tools to react to the needs of the business and streamline IT operations

Cost Management

Bundles, billing options, and scalability to optimize resource utilization

Security

Data stored in AWS Cloud, multi-level access control, encryption in transit / at rest

Reliability

Fully managed service and reliable AWS infrastructure for 99.9% uptime

Ideal Users - Ubuntu Desktop for WorkSpaces



Developers

- Familiar OS / tools
- Build / test / deploy in multiple environments



Data Scientists

- Tools to transform data, build / manage models
- CPU & GPU performance for data processing / modeling



Engineers

- GPU performance for visualization / rendering
- Low latency for collaborating



Task Workers

- Access to applications
- Not dependent on Windows

All require ability to work from anywhere

Stephane Verdy

- Senior Solution Architect, Canonical



Open Source in the Enterprise

- **90%** of enterprise DevOps teams view open source as important.
- **60%** of businesses report an increase in open source software usage over the last year.

Enterprise Open Source benefits:

- Innovation and latest technologies
- Cost reduction
- Accelerates development
- Continued releases and patches

Enterprise Open Source challenges:

- Reliability and availability of support SLAs
- Project governance and security patching
- Lack of internal skills to provision, patch and harden enterprise open source

Ubuntu – the trusted conduit for open source



Developers

- Common OS across desktop, server, cloud, and IoT
- Latest toolchains and libraries
- Access to a global community of developers and contributors



Data Scientists

- The reference platform for Data Science and AI/ML tooling
- Maximize GPU performance with tools like NVIDIA CUDA*



IT Admins

- Active Directory for mixed OS fleet management
- Rapid provisioning and deployment
- Save on high-end hardware and secondary devices



Security Team

- 10 years of patching with Ubuntu Pro
- Hardening compliance tools like FIPS and CIS
- Data secure in the cloud

Ubuntu – spans verticals

Automotive

- AI workloads, rendering and commercial systems
- Development and testing models

Government

- Deploy Ubuntu Pro on AWS GovCloud
- FIPS compliant, CIS tools, and DISA-STIG

Financial

- Secure OS utilizes AWS based PCI-compliant host
- Thin client for remote workers and contractors

Healthcare

- High end Ubuntu workstations for R&D
- Reduce hardware costs in Healthcare centers

Academic

- Save on licensing and hardware costs
- Work and learn on cutting edge Open Source

Thank you for trusting us with your business



Get started

- **Ubuntu Desktop for WorkSpaces free tier offer**
 - Starting September 29, 2022 through March 31, 2023, Amazon WorkSpaces provides up to 5 Ubuntu Performance bundles with 80 GB Root and 50 GB User Volumes, running in AutoStop mode for up to 500 hours of combined use per month across all AWS regions where Ubuntu bundles are available.
- **“Empowering Builders with Amazon WorkSpaces” session**
 - Upcoming AWS EUC Innovation day session featuring a live demo of Ubuntu Desktop on WorkSpaces

Offer expires on March 31, 2023, regardless of when you started receiving benefits under the offer. After March 31, 2023, the WorkSpaces you launched during the promotion period will automatically be billed at the applicable hourly rate unless removed.

- *This offer is valid for a total of up to 5 Ubuntu WorkSpaces across all AWS regions for all Amazon WorkSpaces customers. When calculating your use of Ubuntu WorkSpaces under this offer, we will aggregate your use across all AWS regions. You will be charged standard rates for use of Ubuntu WorkSpaces beyond 5 WorkSpaces.*
- *This offer is only valid for Ubuntu WorkSpaces running in AutoStop mode. You will be charged standard rates for use of Ubuntu WorkSpaces running in AlwaysOn mode.*
- *We may terminate this offer at any time for any reason.*



Thank you!



Give us your feedback
Take the survey



Breakout with Hassan Ta: <https://eventbox.dev/survey/XGLTHL4>