aws

Empowering Builders with Amazon Workspaces

Ubuntu Desktop

Gekai Zou

Sr. Product Manager
AWS End User Computing

Agenda

- Developer challenges addressed by Ubuntu Desktop for WorkSpaces

- Open source and Ubuntu Desktop for WorkSpaces

- Ubuntu Desktop for WorkSpaces deep dive

- Pricing and configurations

- See it in action

- Q & A

Developer challenges

Developer Needs

New workstation

- Procurement time
- Budget

Remote work

- No access to Ubuntu desktop at home
- Security concerns

Productivity

- Environment broken
- Setup time
- Familiar environment / tools

Ubuntu Desktop

Flexible

- Selection of bundles
- Pay as you go, no over-provisioning
- Access environment from client of choice

Secure

- Work anywhere with internet
- Persistent desktop
- Source code is merely pixels in transit and at endpoints
- Encryption in transit / at rest

Efficient

- No wasted time for restore or rebuild
- Custom images accelerate time to productivity
- Native Ubuntu available in 14+ regions maximizes performance

Stephane Verdy
– Senior Solution Architect, Canonical

Open Source and Ubuntu WorkSpaces

The benefits of open source

- Code is used, tested and auditable

- Access to the latest technologies

- Collaboration spurs innovation

- Reduced licensing costs (free in most cases)

- Faster time to market

- More options, less lock-in

- Transferable developer skills

Open Source and Ubuntu WorkSpaces

Why Ubuntu is the Developer's choice

- A common OS across desktop, cloud and IoT

- Latest toolchains for Python, Rust, Ruby, GCC, Go, PHP and Perl

- Target platform for cutting edge AI/ML tooling - Nvidia Data Science Stack, OpenCV, TensorFlow, Kubeflow, Pytorch

- Rich development and productivity app ecosystem including all major IDEs

- Long term stability and expanded security updates with Ubuntu Pro

- Global open source developer community

Ubuntu WorkSpaces deep dive

Ubuntu Desktop for WorkSpaces

- Fully managed service
- Available in 14 AWS regions, minimizes latency
- Spin up / tear down in minutes, pay as you go
- SAML 2.0 support, Active Directory support via SSSD, GPOs via ADsys
- Self-service management – optimize volume size, compute type, running mode, rebuild WorkSpaces
- Custom image accelerates dev environment setup
- WSP v2 streaming protocol: 4k, multiple monitor, webcam

Ubuntu WorkSpaces deep dive

Ubuntu Desktop for WorkSpaces

- Fully managed service
- Available in 14 AWS regions, minimizes latency
- Spin up / tear down in minutes, pay as you go
- SAML 2.0 support, Active Directory support via SSSD, GPOs via ADsys
- Self-service management – optimize volume size, compute type, running mode, rebuild WorkSpaces
- Custom image accelerates dev environment setup
- WSP v2 streaming protocol: 4k, multiple monitor, webcam

Build cloud-native apps at scale

- Ubuntu Pro 22.04 LTS with GNOME desktop
- Includes popular runtimes (Python, node.js, Go) and server components (Apache Kafka, NGINX, MongoDB, Redis, PostgreSQL)
- AWS SDK and CLI ready OOTB
- Productivity / development apps a SNAP away
- Ubuntu Pro benefits – Kernel LivePatch and security patches for Universe repo

WorkSpaces architecture and network traffic flow
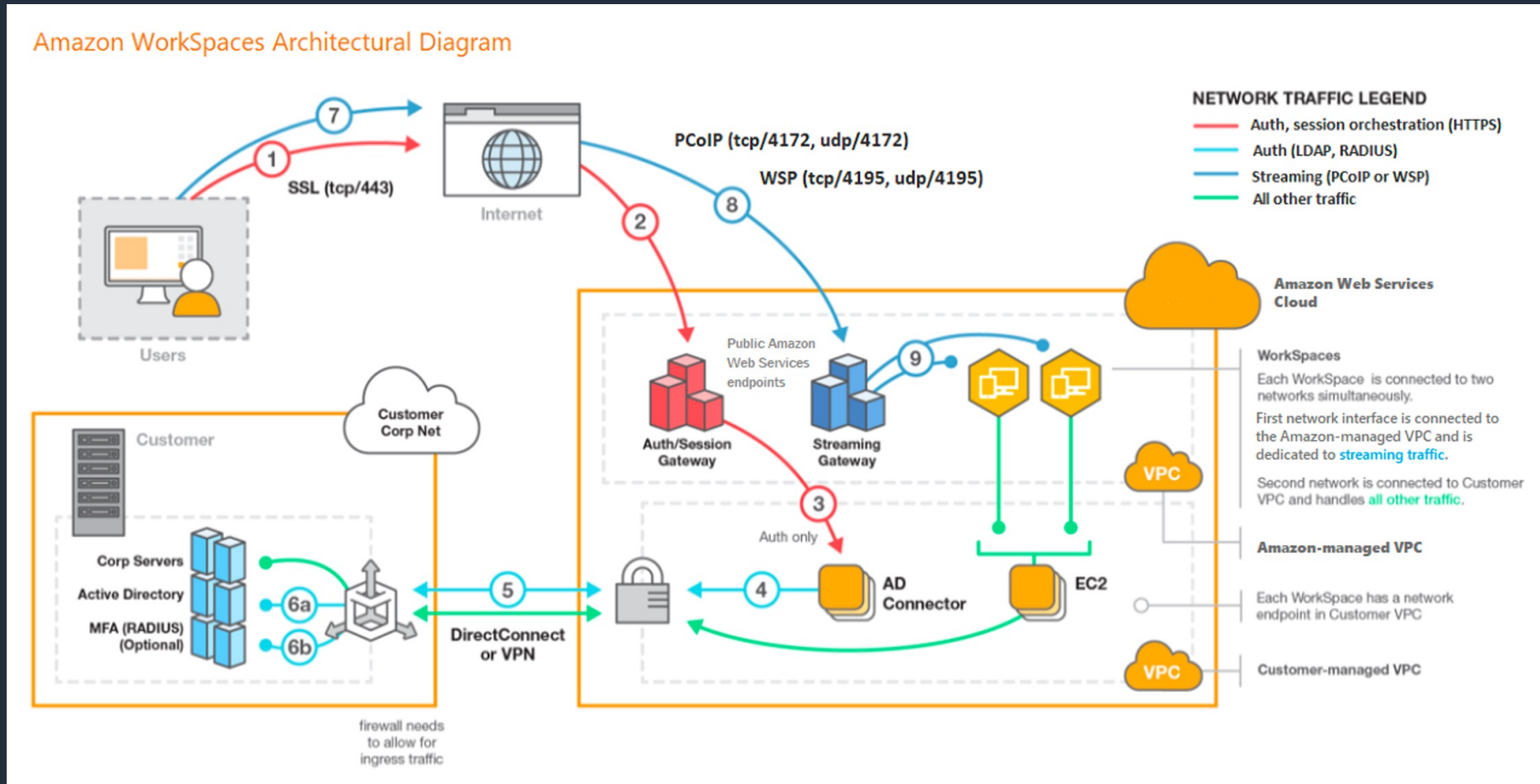
Availability, pricing, and configurations

N. America	EMEA	APJ	S. America
N. Virginia Oregon Canada GovCloud	Ireland London Frankfurt Cape town	Seoul Mumbai Singapore Tokyo Sydney	Sao Paulo

US East Example	Ubuntu		Windows license-included		Amazon Linux	
	Monthly	Hourly	Monthly	Hourly	Monthly	Hourly
Value	$23.00	$0.19	$25	$0.22	$21	$0.17
Standard	$31.00	$0.28	$33	$0.30	$29	$0.26
Performance	$43.00	$0.45	$45	$0.47	$41	$0.43
Power	$68.00	$0.66	$70	$0.68	$66	$0.64
PowerPro	$125.00	$1.51	$127	$1.53	$123	$1.49

- 5 Bundle types available with 4 storage configurations
- 2 new graphics G4dn bundles are coming soon

Demo

By Russell Bell, AWS EUC Senior Solution Architect

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.

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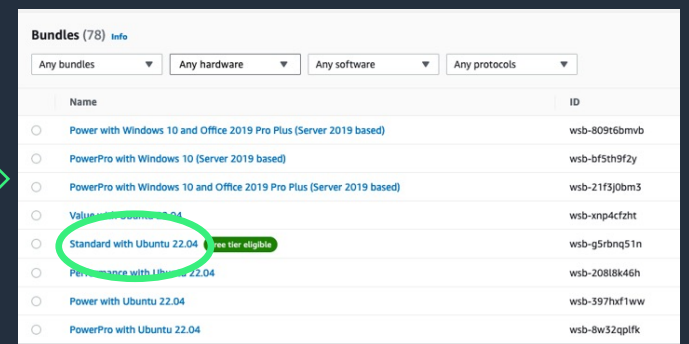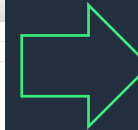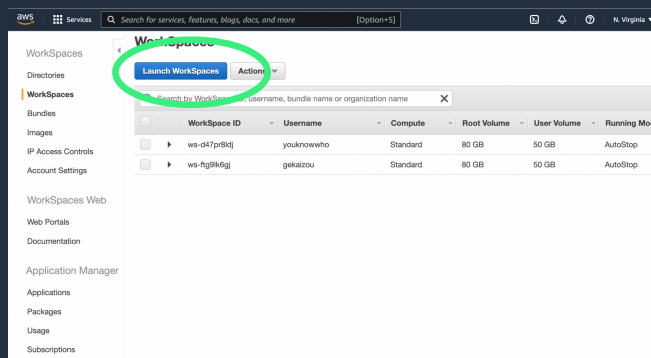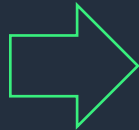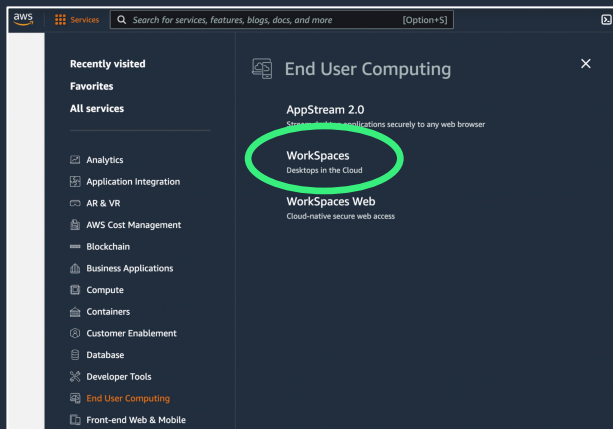
Offer expires on March 31, 2023, regardless of when you started receiving benefits under the offer. After March 31, 2023, the WorkSpaces you launched during the promotion period will automatically be billed at the applicable hourly rate unless removed.

- *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.*

Questions?

aws

Thank you!

Gekai Zou

gekaizou@amazon.com

Stephane Verdy

stephane.verdy@canonical.com

Russell Bell

rusbell@amazon.com