

#### AWS EUC INNOVATION DAY 2022

# **Empowering Builders with Amazon Workspaces**

### Ubuntu Desktop

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## 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**



#### New workstation

- Procurement time
- Budget

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**Jeveloper Needs** 

#### Flexible

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



#### **Remote work**

- No access to Ubuntu desktop at home
- Security concerns

#### Secure

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



#### Productivity

- Environment broken
- Setup time
- Familiar environment / tools

#### 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**

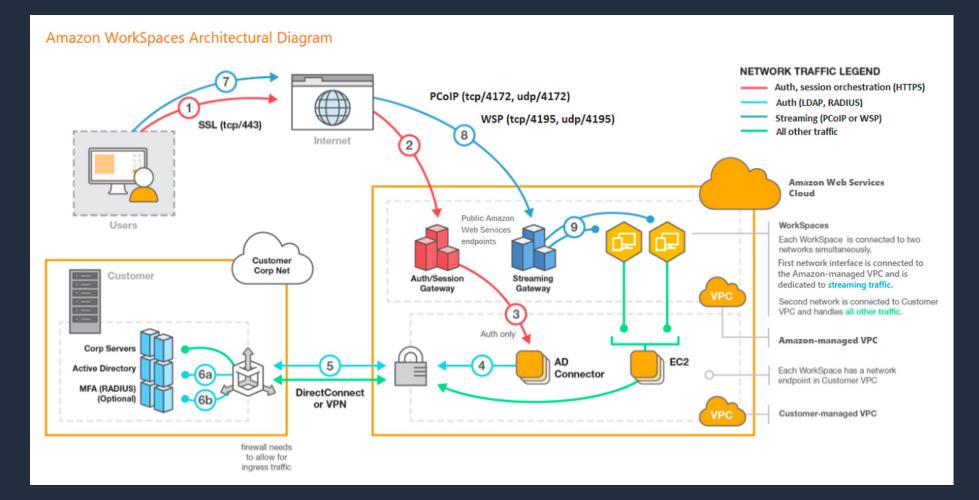
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#### **Build cloud-native apps at scale**

- 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



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## 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	Ubu	ntu	Windows li	cense-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!

aws Services Q Search for services, feat	tures, blogs, docs, and more [Option+S]	E	aws III Services Q Se	earch for services, features, blogs, docs,	and more [Option+S]			🔊 N. Virginia 🔻		Bund	lles (78) Info	
Recently visited Favorites	🗐 End User Computing	×	WorkSpaces 4 Directories	Launch WorkSpaces Action	v						bundles V Any hardware V Any software V Any protocols	•
All services	AppStream 2.0		WorkSpaces Bundles	Search by WorkSearch, Use	mame, bundle name or organization name	×					Name	ID
	Straw indications securely to any web browser		Images	WorkSpace ID	- Username - Com			- Running Mode	N	0	Power with Windows 10 and Office 2019 Pro Plus (Server 2019 based)	wsb-809t6bmvb
Analytics	WorkSpaces		IP Access Controls	ws-d47pr8idj     ws-ftg9ik6gj	youknowwho Stan gekalzou Stan		50 GB 50 GB	AutoStop		0	PowerPro with Windows 10 (Server 2019 based)	wsb-bf5th9f2y
Mapplication Integration	Desktops in the Cloud		Account Settings						$  \rangle$	0	PowerPro with Windows 10 and Office 2019 Pro Plus (Server 2019 based)	wsb-21f3j0bm3
	WorkSpaces Web Cloud-native secure web access		WorkSpaces Web							0	Value was soone and	wsb-xnp4cfzht
AWS Cost Management Blockchain			Documentation						V	0	Standard with Ubuntu 22.04 (ree tier eligible	wsb-g5rbnq51n
Business Applications			Application Manager							0	Perce mance with Ubin 1/22.04	wsb-208l8k46h
Compute			Applications							0	Power with Ubuntu 22.04	wsb-397hxf1ww
Containers Customer Enablement			Packages Usage							0	PowerPro with Ubuntu 22.04	wsb-8w32qplfk
Database			Subscriptions									
💥 Developer Tools												
End User Computing												
Front-end Web & Mobile		COLUMN AND A DECK										

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?**

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## Thank you!

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## **Give us your feedback** Take the survey

Technical deep dive with Gekai Zou: https://eventbox.dev/survey/4AQY72I



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