AWS EUC INNOVATION DAY 2022

Amazon WorkSpaces Web 101

Simplify secure access to internal
web and SaaS applications

Andy Soderberg-Rivkin

Senior Solutions Architect, AWS End User Computing

Agenda

- AWS End User Computing (EUC) overview

- Introducing Amazon WorkSpaces Web

- "See it live"

- Pricing and availability

- Q&A

The challenge for empowering the modern workforce

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

Need to improve **productivity** while reducing **cost**

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

3

End User Computing customers

MAXIMUS GRUBHUB HANKOOK Corporation LG Chem axs FOX Ferrellgas

VEOLIA AUTODESK firstmac gbs International, Inc. GE Geneia amazon

itegria JFR J. FRONT RETAILING KYOWA KIRIN enova MRS INNOVATIVE SOLUTIONS. REAL RESULTS SAMSUNG SAMSUNG ENGINEERING SIEMENS

SOLIDWORKS Crayon The Software Experts UNIVERSITY of VIRGINIA McINTIRE SCHOOL of COMMERCE esri Australia ENDEMOL SHINE NEDERLAND WORLDWIDE EXPRESS COMUNE DI CAGLIARI

sitel group T TIDEWATER MathWorks LUNAR EMPLOYERS America's small business insurance specialist. IHS Markit

aws

End user computing services

Amazon WorkSpaces

Cloud native persistent desktops

Amazon AppStream 2.0

Cloud native non-persistent apps and desktops

Mission

Deliver the ability to securely get work done from anywhere, from any device

"Many of our users just need access to a handful of websites in order to be productive."

Ervin Sala
VP IT – Centerfield

Amazon WorkSpaces Web

New browser based WorkSpace
built specifically to facilitate secure, web-based workloads

Fully managed services
require no capacity management, scaling, and maintaining browser images

Enterprise controls
provide secure browsing with an effective barrier against internet threats

Predictable pricing
with no up front commitments or contracts

Challenges

Secure browser traffic, enabling only the access users need to be productive

Existing solutions are overly complicated, overly permissive, or both, for users who just need browser-based access

Existing solutions can be high in cost and unpredictably priced

They can come with high costs, complex operations, upfront contracts that restrict agility, and usage can be challenging to forecast

WorkSpaces Web benefits

Secure browser traffic
Company data never resides on remote devices

On like a light switch
On demand, automatically provisioned and updated

Cost Optimization
Low cost, predictably priced, with no upfront commitments or contracts

Types of end-users

Frontline users

Back Office

Factory and Field

**SaaS-first
remote workers**
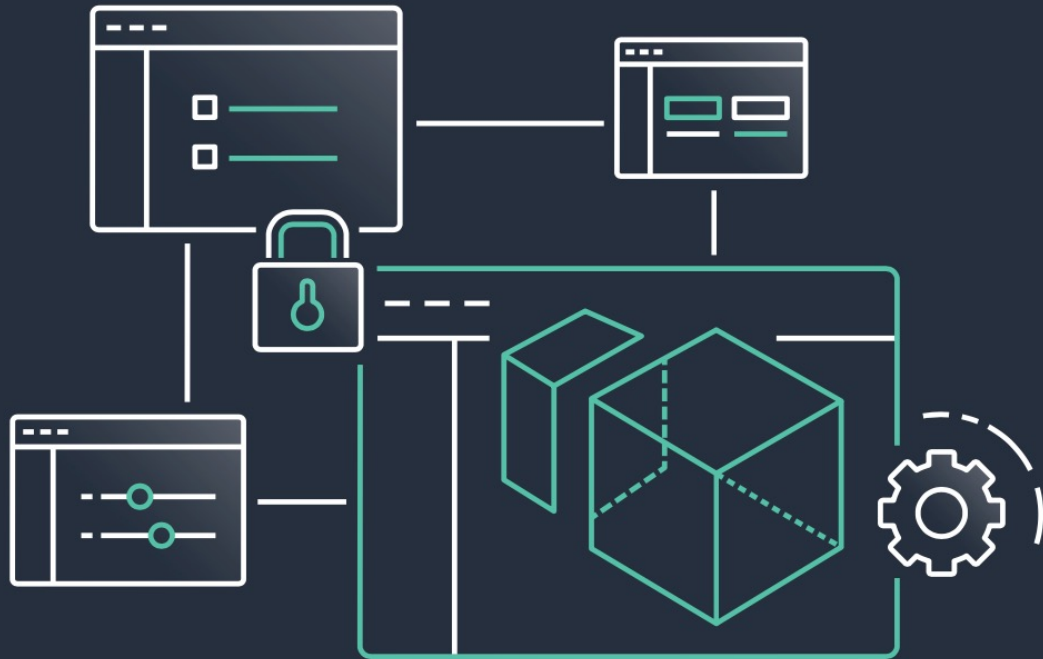
**Contractors,
Contingent workers,
and partners**

**Safe web browsing from
locked down network**

Workloads

WorkSpaces Web use cases

Secure browser-based productivity environments
Secure browsing for users who just need access to internal websites and SaaS web applications

Safe web browsing from high security networks
Enable safe browsing on the public internet with an effective barrier against attacks packaged in web content

Light weight bring your own device (BYOD) browser-based access
Simple, secure, and isolated.

Use cases with benefits

Satisfy Regulatory Requirement
- IT has full control over data ingress and egress
- Users stay flexible without security risks
- Set a higher security bar and meet compliance standards

Access Resources and Support BYOD
- Eliminate device management
- Enable BYOD for users in the field or outside the office
- Users work from anywhere with secure browser-based access
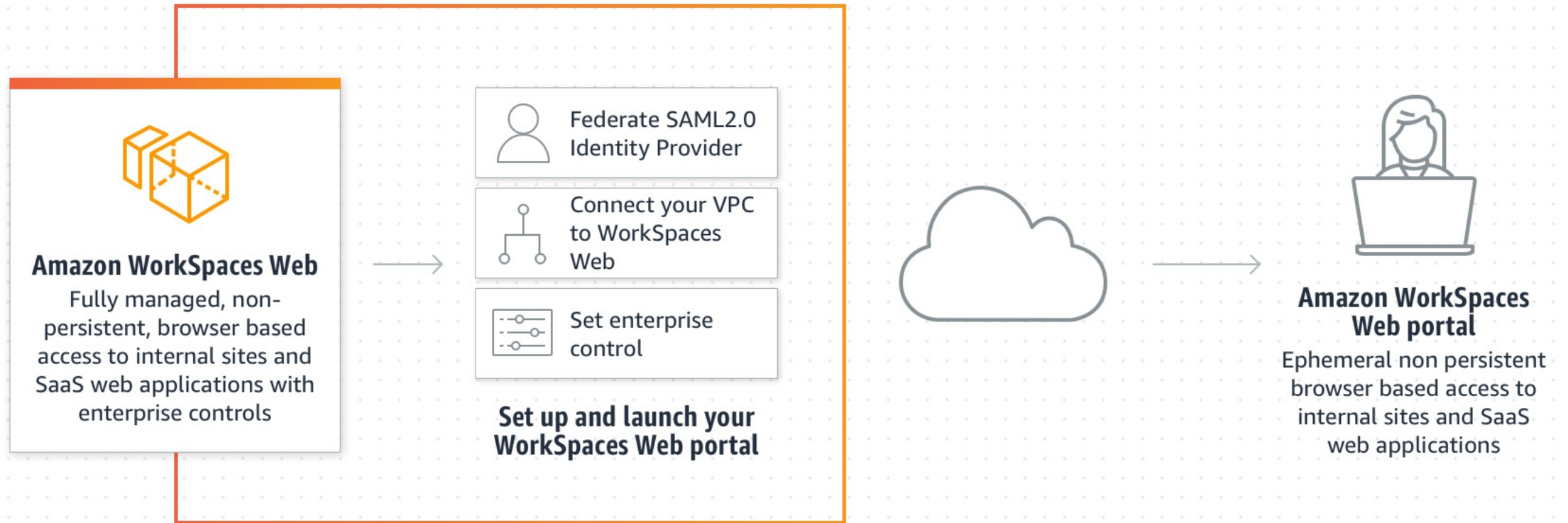
Enable safe internet browsing
- IT takes control of external connections
- Internal and external users can collaborate
- Reduce chance of internet threats

How it works

WorkSpaces Web simple set up

Amazon WorkSpaces Web
Fully managed, non-persistent, browser based access to internal sites and SaaS web applications with enterprise controls

Federate SAML2.0 Identity Provider

Connect your VPC to WorkSpaces Web

Set enterprise control

Set up and launch your WorkSpaces Web portal

Amazon WorkSpaces Web portal
Ephemeral non persistent browser based access to internal sites and SaaS web applications

User experience

1

2

3

**Open local browser
and go to public end point**

(Multiple ways)

**Sign in with SAML
identity and enter MFA**

(If configured)

**Land on admin
set URL and browse**

Click links, open new tabs,
browse public or internal sites
(configured by admin)

Use the WorkSpaces Web URL
bar to enter websites

How it works – Architecture

- WorkSpaces Web Managed VPC and Customer VPC
- Session: Isolated container (AL2 w/SE Linux) streamed back to the user
  - Chrome policies applied through service
- Elastic Network Interface in customer subnet
- Route back to Corporate web-sites, SaaS applications and/or to internet
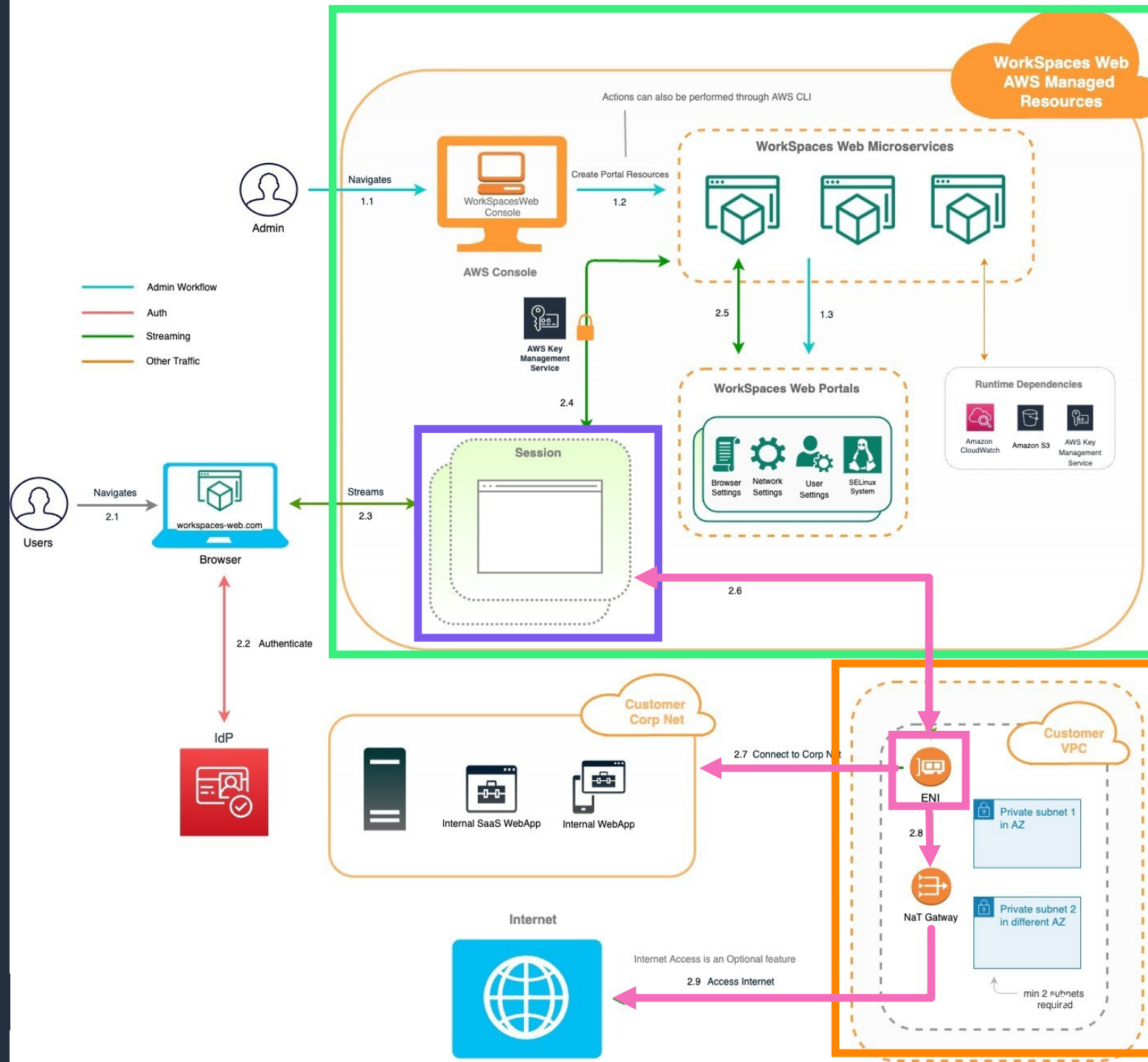
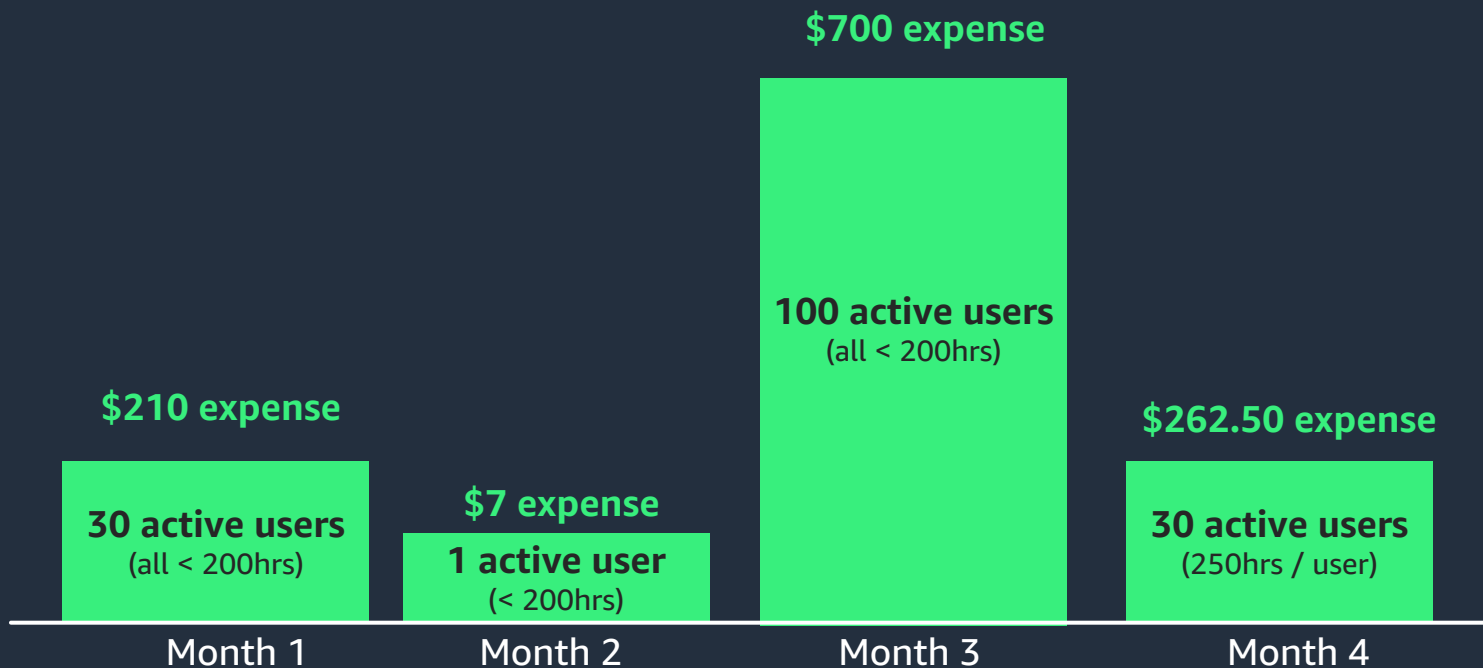# Pricing and Availability

Predictable pricing
No upfront commitments, no surprises

WorkSpaces Web billing example

$700 expense

$210 expense

$262.50 expense

100 active users
(all < 200hrs)

$7 expense

30 active users
(all < 200hrs)

1 active user
(< 200hrs)

30 active users
(250hrs / user)

Month 1   Month 2   Month 3   Month 4

Value – Affordable $7/ monthly active user* fee when secure web browsing is the primary need

Simple budgeting – Per user billing makes expense planning easy

Flexibility without commitment - Scale active users up / down when necessary

- For up to 200 hours of streaming. Streaming hours above 200 are available for $0.035 per hour. Cost per monthly active user can vary by region.

- https://aws.amazon.com/workspaces/web/pricing   19

Availability

US East (Northern Virginia)
US West (Oregon)
Canada (Central)
Europe (Frankfurt)
Europe (Ireland)
Europe (London)
Asia Pacific (Mumbai)
Asia Pacific (Singapore)
Asia Pacific (Sydney)
Asia Pacific (Tokyo)

2022 WorkSpaces Web evolution

Q1

Multi-Byte Characters display in web content

Onboarding Wizard-v2 enables service exploration without spinning up resources

Console localization for Japanese language

Marketing Localization for 9 languages

Q2

WorkSpaces Web branded web client

Managed network interfaces resolve obstacles during set up

IME support for CJK

Admin Timeout control to control session timeout
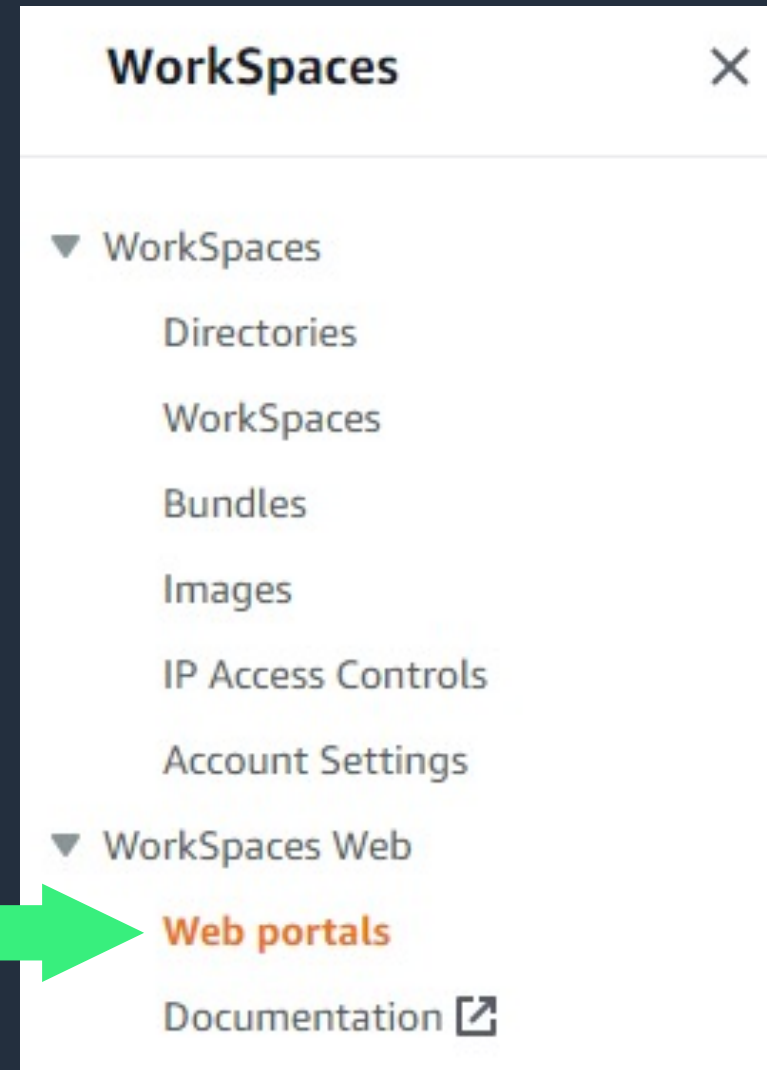
In-session Localization

Q3

Regional expansion to Singapore, Mumbai, Sydney, Tokyo, London, Frankfurt, Montreal

Managed network interfaces deployed to production

Get started

- Review WorkSpaces Web Admin Guide

  - https://docs.aws.amazon.com/workspaces-web/latest/adminguide/what-is-workspaces-web.html

- Build your first Web Portal

Contact us!

Contact your AWS Sales Representative

OR

Email Us:

workspacesweb@amazon.com

Thank you!

Andy Soderberg-Rivkin

Senior Solutions Architect, AWS End User Computing

Amazon Web Services

sodera@amazon.com