

# Simplify Windows 10 management with **amazon**WorkSpaces

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# This Tech Talk

- Evolution of the End User Computing (EUC) landscape
- Amazon WorkSpaces Overview
- Windows 10 impact on device management
- Simplifying Windows 10 management with WorkSpaces
- Making it easy to migrate to Windows 10 with WorkSpaces
- Going Beyond Windows
- Summary / Wrap-up

# Evolution of the End User Computing Landscape

## Security



**\$6.0T**

is the expected cost of cybercrime damages in 2021 (Cybersecurity Ventures)

## Remote workers



**70%**

of full-time employees work remotely at least once a week (IWG)

## Contingent workers



**66%**

growth in US contingent workforce in the past 10 years, outpacing overall growth by 10X (EY)

## Data Governance



**107**

countries with data protection or privacy legislation in place. (UNCTAD)

# Amazon WorkSpaces Overview



Simple to deploy and manage



Secure and compliant



Amazon WorkSpaces is a secure, fully-managed Desktops-as-a-Service (DaaS) from AWS.



Scale up or down quickly



Pay-as-you-go

# Customers



# Windows 10 impact on device management

## Need more capable HW



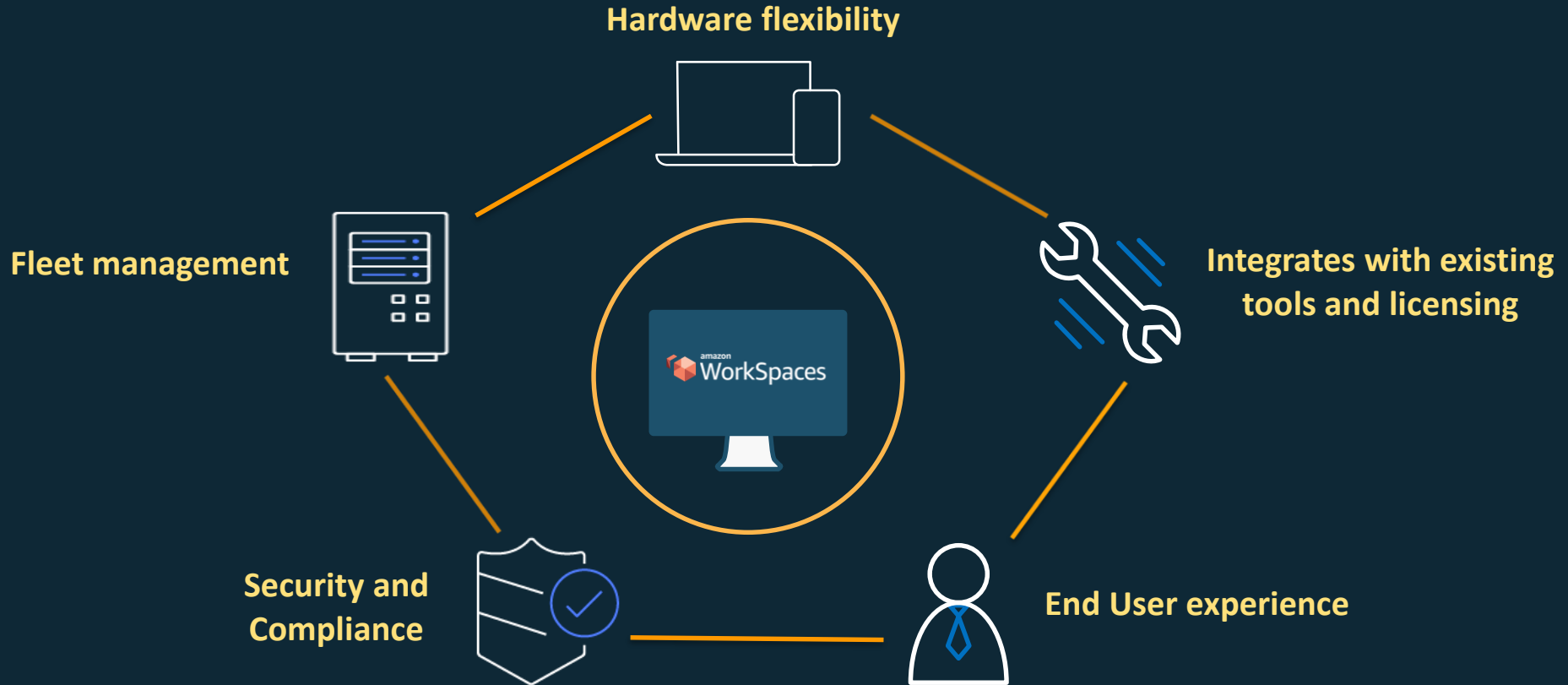
- End user experience and productivity impact
- Costly PC refresh cycle with significant capex undertaking

## More updates, more often



- More frequent major feature updates cadence in addition to Patch Tuesdays
- More backups, more testing, more troubleshooting, more patching

# WorkSpaces simplifies Win 10 management



# WorkSpaces simplifies Win 10 management

## Hardware flexibility

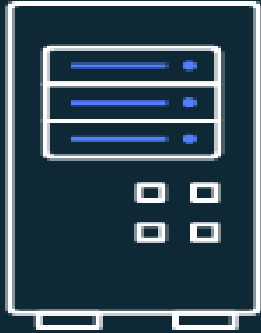


- Reduces the burden of physical hardware management
- End users can access their WorkSpaces from most device types and browsers
- Configurable bundle options spanning a wide spectrum of compute, storage and memory needs
- GPU-based virtual desktop workstations
- Global footprint with presence in 12 AWS regions



# WorkSpaces simplifies Win 10 management

## Fleet management



- Rebuild in minutes to reset WorkSpace to the default image with automated backup of user data
- Automate workflows through API and AWS command line interface
- Copy images across regions
- Spin up or spin down in any region in minutes
- Monitor and take automated custom actions using CloudWatch

# WorkSpaces simplifies Win 10 management

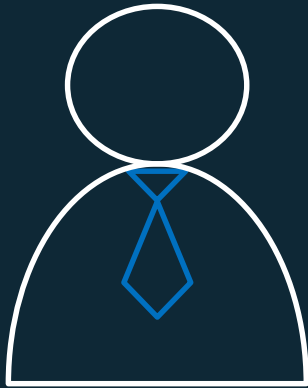
## Integrates with existing tools and licensing



- System Center (SCCM)
- Group Policy Object (GPO)
- On-prem or cloud-based Active Directory (AD)
- Bring Your Own License (BYOL) cost savings and automation
- IT Service Management

# WorkSpaces simplifies Win 10 management

## End user experience



- 99.9% monthly uptime SLA means more uptime for your users and increased productivity throughout your organization
- Delight your users with a highly responsive cloud desktop experience on preferred devices of their choice
- Empower your users with configurable self-service options to reduce your helpdesk support costs

# WorkSpaces simplifies Win 10 management

## Security and Compliance



- Data securely streamed to client device
- HIPAA/BAA eligible, PCI DSS Level 1 compliant, GDPR
- CloudTrail integration
- Storage volumes encryption option
- IP based access control option
- Certificate-based authentication option
- Multi-Factor Authentication (MFA) option

# Migrating to Windows 10 with WorkSpaces is easy

## 1. Keep your existing hardware



- Improve TCO by deferring costly hardware refresh cycle

## 2. Securely move your data to AWS



- Use Amazon WorkDocs to move your user data to the AWS cloud
- 50GB free tier WorkDocs benefit included with WorkSpaces

## 3. Bring your existing licenses and images



- Bring your existing Windows images with a few clicks
- Bring your existing Windows licenses to WorkSpaces

## 4. Test and scale rapidly



- Test your applications and images on a handful of WorkSpaces
- Rapidly deploy at global scale in minutes through a few clicks or API

# Going Beyond Windows

## Amazon WorkSpaces is more than Windows-based virtual desktops on the AWS cloud

### Linux WorkSpaces

- Built on Amazon Linux 2 OS, based on the MATE desktop
- Enterprise ready, domain-joined desktops with regularly updated security patches
- Ready for developers to get started, includes all AWS SDKs and tools plus developer favorites such as gcc, Mono, Java and more
- Ideally suited for data science, machine learning, engineering and other Linux-friendly workloads
- Comes with Libre Office, a complete suite of productivity tools that are compatible with a wide range of a proprietary and open source formats

### Desktop Management Solution

The operating system is just one aspect of desktop management and is abstracted away through:

- Common console, command line interface and API set based management interfaces
- Secure data (pixel) streaming technology with bar raising user experience supported on a wide variety of client devices
- Shared features and workflows leveraging core capabilities such as rebuilding the WorkSpace, resizing instances etc. that are implemented in an OS-neutral manner

# Summary

## What we have covered so far...

- EUC landscape is rapidly changing
- Changing EUC landscape and Windows 10 necessitate a new model for managing desktops
- Amazon WorkSpaces embodies the promise of DaaS on AWS that can help customers switch to a modern management solution for their desktops
- Amazon WorkSpaces simplifies Windows 10 management
- Migrating to Windows 10 with WorkSpaces is easy
- Amazon WorkSpaces is a multi-OS desktop management solution

# Wrap-up

With Windows 7 EOS approaching in Jan 2020, you need to decide between...

## Traditional Desktop Management

- Never ending treadmill of patching, maintenance and troubleshooting
- Frequent PC refresh cycles are expensive
- Complex licensing terms with multi-year lock-in
- Data on client device and increasingly difficult (and costly) to secure
- Difficult to scale with increasingly contingent and remote workforces

## Modern Desktop Management with Amazon WorkSpaces

- Simplify desktop management through automation, integration and user self service
- Improve TCO by adopting a thin client or BYOD strategy
- Turnkey solution with pay-as-you-go pricing without complex licensing or contract terms
- Data streamed to the client device and secured in motion and at rest
- Scale up or down in minutes around the globe



# Thank you!

