

# Virtual Desktop and Apps Solution with Amazon Workspaces, AppStream 2.0, and Liquidware

## Enterprise users realize the full potential of an Integrated Desktop as a Service (DaaS) Solution

Liquidware is an AWS Advanced technology partner.



In today's technologically distributed world, your enterprise needs to provide your end users with the tools to access corporate documents, applications, and resources from anywhere, at any time, from a range of diverse devices including PCs, laptops, tablets, thin clients, and zero clients. Whether fixed, remote, or mobile, organizations also need to assure their users have proper access while remaining compliant with company and industry guidelines.

## Industry Challenges

**When it comes to supporting the evolving needs of the enterprise, many organizations have turned to desktop virtualization and application streaming. These technologies, while powerful in their capabilities, also present some demanding challenges in their implementation.**

Organizations need to manage the provisioning of their desktop and application resources efficiently for local and remote use, as well as for contract or temporary workers. Special attention and management is required across the board to mitigate data security risks when numerous mobile or remote users connect to public networks. Onboarding new users needs to be streamlined and the user experience needs enhanced visibility, as well as troubleshooting support. These challenges grow with scale and geographic complexity, including the mix of personal devices and corporate credentials.

## Amazon WorkSpaces and AppStream 2.0

Delivering a secure and simple way to manage your desktop computing infrastructure, Amazon WorkSpaces is a fully managed Desktop-as-a-Service (DaaS) solution, delivering a secure, simple, and flexible way to manage all your necessary corporate applications and resources. From a single management console, quickly deploy virtual desktop environments, leverage existing enterprise credentials, and seamlessly manage your workload access across a wide variety of target devices.

To support your users with streaming desktop applications, Amazon AppStream 2.0 provides a fully managed, global delivery service, without requiring code modifications and regardless of the devices your team is using.

## Liquidware on AWS

**Leveraging the flexibility and scalability of AWS, Liquidware complements the Amazon Workspaces and Amazon AppStream environments by streamlined provisioning, secure and managed virtual desktop deployments, and application streaming.**

Centrally manage workspaces using existing tools and processes, as well as streamline critical activities of remote and contract workers who perform application software development, upgrades, updates, patching, and retirement. Utilizing existing corporate credentials, and managing across different user profiles, a consistent user experience is brokered across multiple devices.

The resulting benefits include flexible application deployment layering, secure profile and policy management, and improved user experience visibility through monitoring and diagnostics.

## Solution Space

Discover scalable solutions that help you achieve your business needs through a combination of AWS services and APN Partners that have attained AWS Competency designations. Based on architectures validated by AWS to accelerate your cloud transformation, you can deploy solutions quickly with AWS Quick Starts and optional Jumpstart consulting offers provided by APN Partners.

[Visit here for more information.](#)

## Liquidware on AWS Use Cases



### Onboarding

Users planning for a migration to Amazon WorkSpaces can leverage Liquidware solutions. Stratusphere UX can perform assessments of desktops and users' real-world usage to help identify prime candidates for WorkSpaces, and assist with choosing the proper tier. ProfileUnity can optionally migrate users from legacy environments, then provide ongoing policy and profile management in the WorkSpaces environment.



### Profile Compatibility Assurance

Administrators who are deploying pre-Windows 10 desktops today may want to ensure that profiles are compatible with Windows 10. ProfileUnity ensures that key profile settings, such as application data and custom registry modifications, are compatible with Windows 10 at first logon.



### Application Deployment

Administrators looking to deploy applications without getting bogged down in base image management can leverage FlexApp. Applications can be packaged quickly and easily. FlexApp has a high degree of application compatibility with users' applications.



### Secure Policy Management

Users who require secure desktops can centrally configure policy management with ProfileUnity. Portions of the OS can be locked down such as control panel modifications, save to USB drives, and application execution blacklist and whitelist.



### Performance Validation and Trouble Shooting

While clouds and DaaS have allowed modern desktop admins to focus on the workspace, and not the plumbing, the critical need to have ongoing visibility has never been greater. In fact, we now get to focus on the root of productivity – the user / data / application nexus – versus having to tweak, tune, and optimize infrastructure. Liquidware Stratusphere UX is the gold standard in end user monitoring diagnostics across physical, virtual, and cloud desktop deployments in the enterprise. The volume of data available, and options for ingestion, will satisfy any quantitative task.

## The Liquidware Advantage

### Secure Policy and Profile Management with ProfileUnity

- Centralized management of user environments
- Migration options to AWS from legacy PCs or VDI
- Easy to configure and manage environment settings per user, group, or by context
- Security features such as per user/group desktop rights (lockdown), application-rights management, and privilege elevation
- Manage user profiles beyond basic profile solutions
- Cross Windows OS compatibility of user profile

### Innovative Layering of Applications with FlexApp

- Simplify application deployment
- Dramatically lower base image management
- Support for apps that run in Windows sessions including drivers and services
- Assign FlexApps per user, group, or context
- FlexApps are easy to package, patch & maintain
- Package once — many packaged apps work across multiple Windows versions

### Onboard Users & Optimize User Experience with Stratusphere UX

- Complete user experience metrics to provide decision support for starting, growing, and scaling AWS implementations
- Easy to use and understand template selection reports for SLA validations
- Detailed "in-session" performance visibility metrics by group or user
- Comprehensive drill-down diagnostics for quick problem-resolution
- Performance metrics and diagnostics for related storage, network, and application servers
- Includes API for alerts, traps, and integration with other monitoring solutions



About AWS: For 10 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud platform. AWS offers over 100 services for compute, storage, databases, analytics, mobile, Internet of Things (IoT) and enterprise applications from 49 Availability Zones (AZs) across 18 geographic regions in the United States, Canada, Europe, Asia, Australia and South America. AWS services are trusted by more than a million active customers around the world – including the fastest growing startups, largest enterprises, and leading government agencies – to power their infrastructure, make them more agile, and lower costs. To learn more about AWS, visit <http://aws.amazon.com>.

© 2018, Amazon Web Services, Inc. or its affiliates. All rights reserved.