**Liquidware Adaptive Workspace Management Solutions**

**Liquidware Stratusphere™ UX** is a comprehensive desktop user experience monitoring, performance validation and diagnostics solution for organizations that support physical, virtual and mixed-platform desktop environments. Unlike physical desktops, virtual desktop workloads are supported by a shared infrastructure comprised of hosts, storage, networking and a spectrum of applications and services. Stratusphere UX provides the necessary end-to-end inspection to provide ongoing and proactive visibility into the performance and the end-user experience. Additionally, Stratusphere UX offers the ability to flow its metrics and information into other operational and systems tools through an API, allowing the most critical information to be delivered in relevant formats to critical IT decision makers.

**Stratusphere UX Benefits**:

* Assess and quantify machine, user, application, OS and infrastructure metrics
* Gain visibility into user persona and authored data
* Quantify application use to support master image design
* Login breakdown to quickly identify source of time-consuming bottlenecks
* Identify unused applications
* Baseline user experience
* Determine whether applications used are a good/fair/poor fit for virtualization
* Design infrastructure and size resources based on actual resource consumption
* Pool users into tiered desktop architecture
* Plan for infrastructure capacity (CPU, RAM, GPU, Storage, IOPs)
* Ongoing and proactive monitoring—the ability to quantify the user experience
* End-to-end visibility into all layers of the virtual infrastructure
* Confidence to scale from proof-of-concept to production
* Validation of infrastructure changes to ensure optimal performance
* Visibility to identify rogue entities to minimize resource contention
* Quick identification of bottlenecks and root causality
* “What-if” scenarios and optimization opportunities
* Support for physical and virtual machines as well as mixed platforms

**Stratusphere UX Process Optimization** can be set to automatically optimize CPU and Memory, even as system demands fluctuate. Process Optimization can keep “bad actor” applications or runaway processes from crippling the performance of users’ workspaces by prioritizing resources for those applications being actively used over those applications not used or background processes. The feature automatically manages the priority applications and processes. However, administrators can manually raise, lower or terminate offending or non-essential processes as needed.

The Process Optimization feature requires no additional infrastructure. It is a simple, zero-impact feature that can be turned on for single machines, or groups, or globally. This feature is a major benefit in hybrid multi-platform environments. By default, this feature employs a “do no harm” provision. No processes are forced by default ensuring that the system remains stable and in line with requirements.

**Liquidware Stratusphere™ FIT** is the industry-leading assessment solution used by professional services organizations worldwide. The solution captures detailed metrics about current physical desktop environments in order to accurately designing desktop image, create application strategies, and to rightsize the infrastructure. Detailed reports from the Stratusphere FIT assessment provide a comprehensive look at your organizations’ current network, users, hardware and application usage.

**Stratusphere FIT Benefits:**

* Assess and baseline users, applications and infrastructure
* Measure endpoint to datacenter network latency
* Rate user and application fitness levels (Good/Fair/Poor) for migration to virtual or cloud-hosted desktops
* Plan capacity including CPU, Memory & IOPS per application
* Support the design of optimum shared-image strategy
* Create remediation plans before you migrate desktops
* Plan environment with Windows 10 hardware readiness report

**Liquidware ProfileUnity™** is a cost effective, yet robust user profile environment management solution that decouples user profiles from the OS making them universally portable and compatible with any Windows OS (Win 7/Win 8/ Win 10). The solution supports migration of Windows native user profiles and data to Citrix Virtual Desktops and Apps, VMware Horizon, Amazon WorkSpaces, Microsoft WVD, and Terminal Services.

**ProfileUnity Benefits:**

* Decouples user settings and data from the Windows operating system
* Automated migration for Windows 7 to Windows 10 (as well as various Windows 10 builds) for physical, virtual and cloud-hosted desktops
* User Authored Data Migration – automatic background “in session” data migration with bandwidth control/throttling. Unlimited file sizes with centralized reporting of completion by user/machine.
* Works across any Windows OS platform – physical, virtual, cloud and terminal servers
* Compatible with Citrix Virtual Desktop and Apps, VMware Horizon, Amazon WorkSpaces, Windows 7/10 and Windows 10 multi-user, Microsoft WVD
* Does not require additional shell environment
* Does not require expensive back-end servers or databases
* Keeps data & user settings in native Windows format so you're never locked into a proprietary data format
* Supports application virtualization/linked clones to enable use of shared-image, stateless deployments
* Provides a single Integrated Management Console for Application Layering and User Environment Management
* Leverage a single solution for all of your Windows desktops, regardless of platform and scale
* Provides elevated rights management
* Provides granular control over policy with context aware filters
* Restricts access to control panel, applications and apply other Group Policy type settings
* Profile portability can include folders outside of user shell folders- great for non-standard apps
* Profile portability can include registry settings outside to the user – manage Policies, and Registry entries under HKLM (HKey\_Local\_Machine)
* Provides Secure Application Restrictions (user cannot modify rights)
* Includes ProfileDisk™ VHD and VMDK User Data DiskVHD to manage extremely large profiles

**Liquidware FlexApp™** is an advanced application layering solution which enables admins to assign applications to a VHD or VMDK drive and mount them to users’ desktops on demand.  FlexApp applications do not experience isolation, and therefore "look" native to the Windows OS and to other dependent applications.  Even complex applications with multiple dependencies can be delivered successfully enabling FlexApp to support application layering across a wide spectrum of use cases.   FlexApp allows organizations to reduce the complexity of desktop image sprawl and support better management and security of applications.

FlexApp is lightweight and does not need an additional Windows shell environment, nor does it require separate systems to run. There is no SQL database or complex layered architecture. Quite simply, users' applications are stored to a variety of storage devices including cost effective SAN environments. Applications are 'snapped-in' at logon. Comes with built in replication and database. Micro Isolation provides assurance there is no driver conflict among layered applications.

**FlexApp Benefits:**

* Extend application virtualization or app publishing technologies, enabling many more applications to be stored and delivered outside of the desktop image.
* Convert MSIX or App-V format applications to layers.
* Deliver even traditionally difficult applications, extending application layering to more diverse user types – including power users – throughout an organization.
* Manage heterogenous desktop environments more easily with fewer base image builds and significantly simplified application maintenance.
* Deploy applications in hours, even minutes "on-the-fly", versus traditional weeks of months required through manual or limited automated processes.
* End time-consuming regression testing for applications in the base image.