

## Stratusphere™ & ProfileUnity™ Release Notes

Version 4.8.1, released July 26<sup>th</sup>, 2011

### What's New?

- Identification of System Applications for Microsoft Windows. System applications will be populated in the application inventory and help with Fit analysis and migration.
- Wider support of Linux versions in “Standard mode”. Linux Connector ID Keys will automatically install/run in standard mode if appropriate kernel modules are not present.
- Guided setup for ProfileUnity™ and configuration management. A step-by-step wizard will help with initial set up of ProfileUnity™.
- Support for double-byte languages in Stratusphere™ Fit and UX.
- Updated security fixes for base appliance and other packages.
- Stratusphere™ Hub Appliance now supports Microsoft Hyper-V.

### Bug Fixes

- Fixed issue where CIDs failed to send inspection report on Chinese VMs.
- Fixed issue with gathering file/folder statistics on redirected folder in 64 bit OS.
- Fixed issue where major and minor version numbers of certain applications caused CIDs to stop sending inspection reports.
- Fixed issue where printers with special characters in the printer name caused display issues.
- Fixed issue where missing disk size info for certain type of disks caused missing reports.
- Fixed issue where AD directory import failed sometimes when resolving user-group associations.
- Fixed issue where incomplete connection details were not visible when drilling down from Network Application Summary.
- Fixed issue in Diagnostic Findings report where data for computers with Good VDI Fit was missing in comparison charts/tables.
- Fixed issue where reports in CSV format were some columns/rows ended up in multiple lines.
- Fixed issue where the appliance would occasionally switch from SMP to UP kernel mode after reboot.
- Fixed multiple double-byte input and display issues in the UI.

### Known Issues

- Data from the last reporting interval will not be sent to the hub on non-persistent VMs. This can lead to no data for short login sessions on non-persistent VMs. To mitigate this issue, reduce the callback interval to accommodate short login for specific machines.

### Upgrading

- Prior to upgrading, Liquidware Labs recommends taking a snapshot of the Stratusphere™ Hub. Also, check OFF “Automatically update Connector ID Keys...” option in Hub Administration >

Connector ID Key Properties. Liquidware Labs recommends testing the 4.8.1 CID Key within your environment prior to installing them within your environment. Once tested successfully, auto-upgrade can be turned ON again for all versions 4.7.0 and greater.

- To upgrade the Stratusphere™ Hub, please do the following:
  - Log into the Hub Console using the default sconsole/sspassword credentials.
  - Execute the “**software check**” command to check on availability of an upgrade.
  - If available, execute “**software install latest**” to upgrade. The command will download the update, apply it and reboot the appliance if needed.
  - If unavailable, please contact [Support@LiquidwareLabs.com](mailto:Support@LiquidwareLabs.com) for assistance.
- To upgrade ProfileUnity™ Standalone, please do the following:
  - Go to <http://www.liquidwarelabs.com/download/> for the latest version of ProfileUnity™
  - Log into ProfileUnity™ and backup your configuration by going to the Preferences > Backup tab.
  - Verify that your backup completed and that the file containing your settings is saved.
  - Uninstall the current version of ProfileUnity by going to the Control Panel’s Add/Remove Programs applet.
  - Install the new version of ProfileUnity™
  - Log into ProfileUnity™ and restore your configuration by going to the Preferences > Restore tab.

## System Requirements

### Stratusphere™ Hub

<b>Hypervisors Supported</b>	VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher, Citrix XenServer 5.5 and higher, and Microsoft Hyper-V on Windows 2008 R2 and higher. <i>Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats.</i>
<b>Download Size</b>	605MB
<b>CPU</b>	1 vCPU (capable of supporting multiple processors)
<b>Memory</b>	2GB for Monitoring < 500 machines, 4GB for Monitoring < 1000 machines.
<b>Storage</b>	6GB pre-allocated. Recommend adding a 30GB Drive for up to 1500 machines for 30days.

### Stratusphere™ Database Appliance

<b>Hypervisors Supported</b>	VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher, and Citrix XenServer 5.5 and higher. <i>Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats. Support for Microsoft Hyper-V coming soon.</i>
<b>Download Size</b>	350MB
<b>CPU</b>	2 vCPU (capable of supporting multiple processors)

---

<b>Memory</b>	8GB for Monitoring < 5,000 machines, 16GB for Monitoring < 10,000 machines.
<b>Storage</b>	30GB Drive for up to 1500 machines for 30days.

---

### Stratusphere™ Network Station

---

<b>Hypervisors Supported</b>	VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher, Citrix XenServer 5.5 and higher. <i>Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats. Microsoft Hyper-V is not supported yet.</i>
<b>Download Size</b>	371MB
<b>CPU</b>	1 vCPU
<b>Memory</b>	512 MB.
<b>Storage</b>	3.5GB pre-allocated.

---

## Stratusphere™ & ProfileUnity™ Release Notes

### Version 4.8.0, released April 4<sup>th</sup>, 2011

#### What's New?

- Higher Scalability: Stratusphere™ will now support up to 10,000 CID Keys using 60min callback intervals with a separate Stratusphere™ Database Appliance.
- Application I/O Metrics: CID Keys will now provide additional granularity by reporting on individual application IO Rate (Read + Write in Kbps) as well as IOPS (Read + Write) in addition to the overall machine IO Rate and IOPS.
- ProfileUnity™ is now fully Microsoft Office 2010 compatible.
- ProfileUnity™ intelligently merges settings per application to overcome the last logged in profile wins scenario.
- CID Keys now detect whether applications use Shell Extensions and DCOM, GPU metrics, and detailed printer information.
- CID Keys now support Ubuntu 10.04.
- Stratusphere™ is now multi-byte compatible for user, application and machine names.
- Tag and filter applications as System Applications, Virtualization Applications for reporting.
- Stratusphere™ Network Station can now monitor multiple switches/VLANs.
- Installed Security Updates for Federal Government requirements.
- Enhanced Reports such as Assessment Findings, Application Virtualization Targets, Application Virtualization Candidate using ThinApp, VDI Assessment Summary.

#### Major Bug Fixes

- Fixed issue with adding a new data disk.
- Fixed issue with CID Keys not reporting user context related file and folder information.

#### Known Issues

- Assessment Data Consolidation Script works with 4.7.x Hubs only.
- Stratusphere™ Network Station registration fails intermittently.
- Multi-byte characters cause issues within the Event Log and Machine/User Group registrations.

#### Upgrading

- Prior to upgrading, Liquidware Labs recommends taking a snapshot of the Stratusphere™ Hub. Also, check OFF “Automatically update Connector ID Keys...” option in Hub Administration > Connector ID Key Properties. Once the 4.8.0 CID Key is tested within your environment, auto-upgrade can be turned ON again for all versions 4.7.0 and greater.
- To upgrade the Stratusphere™ Hub, please do the following:
  - Log into the Hub Console using the default sconsole/sspassword credentials.
  - Execute the “**software check**” command to check on availability of an upgrade.

- If available, execute “**software install latest**” to upgrade from 4.7.x to 4.8.0. The command will download the update, apply it and reboot the appliance if needed.
- If unavailable, please contact [Support@LiquidwareLabs.com](mailto:Support@LiquidwareLabs.com) for assistance.
- To upgrade ProfileUnity™ Standalone, please do the following:
  - Go to <http://www.liquidwarelabs.com/download/> for the latest version of ProfileUnity™
  - Log into ProfileUnity™ and backup your configuration by going to the Preferences > Backup tab.
  - Verify that your backup completed and that the file containing your settings is saved.
  - Uninstall the current version of ProfileUnity by going to the Control Panel’s Add/Remove Programs applet.
  - Install the new version of ProfileUnity™
  - Log into ProfileUnity™ and restore your configuration by going to the Preferencec > Restore tab. Log into ProfileUnity™ and restore your configuration by going to the Preferences > Restore tab.

## System Requirements

### Stratusphere™ Hub

<b>Hypervisors Supported</b>	VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher, Citrix XenServer 5.5. <i>Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats.</i>
<b>Download Size</b>	608MB
<b>CPU</b>	1 vCPU < 400 machines, 2 vCPU for 400+ machines.
<b>Memory</b>	2GB for Monitoring < 400 machines, 4GB for Monitoring < 800 machines, 8GB for Monitoring < 1,200.
<b>Storage</b>	6GB pre-allocated. 30GB Drive for up to 1200 machines for 30days.

### Stratusphere™ Database Appliance

<b>Hypervisors Supported</b>	VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher, Citrix XenServer 5.5. <i>Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats.</i>
<b>Download Size</b>	626MB
<b>CPU</b>	2 vCPU < 5000 machines, 4 vCPU for 10,000 machines.
<b>Memory</b>	8GB for Monitoring < 5,000 machines, 16GB for Monitoring < 10,000 machines.
<b>Storage</b>	6GB pre-allocated. 30GB Drive for up to 1200 machines for 30days.

## Stratusphere™ Network Station

---

### Hypervisors Supported

VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher.

*Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats.*

---

### Download Size

382MB

### CPU

1 vCPU

### Memory

512 MB.

### Storage

3.5GB pre-allocated.

---

## Stratusphere™ & ProfileUnity™ Release Notes

### Version 4.7.1, released January 25<sup>th</sup>, 2011

#### What's New?

- SNMP based Alert Notifications  
Stratusphere™ Hub will now provide SNMP traps for the existing 21 Alerts within the UI using standard SNMP based alerts.
- Enhanced Reports such as Assessment Findings, Application Virtualization Targets, Application Usage Details, Application Inventory, Machine Accessed By Users, VDI Fit by Machines, Peak IOPS over IO Rate Changes.
- ProfileUnity™ now supports XenApp 6

#### Bug Fixes

- Fixed issue with adding a new data disk when the Hub was under load leading to loss of data.
- Fixed issue with initial configuration of Hub where time zone was not being set.
- Fixed issue with time zones being confused between US Eastern and Australian Eastern time zones.
- Fixed issue with Active Directory imports failing due to invalid Distinguished Names (DN).
- Fixed issue with 64bit Windows machines reporting processes as applications.

#### Known Issues

- CID Keys do collect information on absolute folder paths but are unable to run under User Context to gather %USERPROFILE% based folder and file information. This issue will be addressed in the next version release.

#### Upgrading

- Upgrade using the standard console based commands to go from 4.7.0 to 4.7.1.
- Turn OFF Auto Upgrade of CID Keys prior to upgrade.

---

## System Requirements

### Stratusphere™ Hub

<b>Hypervisors Supported</b>	VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher, Citrix XenServer 5.5. <i>Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats.</i>
<b>Download Size</b>	670MB
<b>CPU</b>	1 vCPU < 400 machines, 2 vCPU for 400+ machines
<b>Memory</b>	2GB for Monitoring < 400 machines, 4GB for Monitoring < 800 machines, 8GB for Monitoring < 1,200.
<b>Storage</b>	6GB pre-allocated. 30GB Drive for up to 1200 machines for 30days.

### Stratusphere™ Network Station

<b>Hypervisors Supported</b>	VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher, Citrix XenServer 5.5. <i>Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats.</i>
<b>Download Size</b>	504MB
<b>CPU</b>	1 vCPU
<b>Memory</b>	512 MB.
<b>Storage</b>	3.5GB pre-allocated.

## Stratusphere™ Release Notes

### Version 4.7.0, released November 15<sup>th</sup>, 2010

#### What's New?

- **New Installer for CID Keys**  
The new installer will be EXE based with embedded information for calling back to the Stratusphere™ Hub. A single installer will handle 32bit and 64bit operating systems. The DNE component in the Advanced CID Key has also been updated.
- **Web based Stratusphere™ Hub configuration**  
The Hub now comes up with a DHCP enabled IP Address (if available) for easy setup. A Static IP Address is still required but it is an easier process to setup than having to go into the Hub console. A configuration list is also available within the Administration section to serve as a guide for all the different items that need to be configured within Stratusphere™.
- **Stratusphere™ Hub now supports up to 4 vCPUs and 16GB of memory.**
- **Office 2010 Support**  
Stratusphere™ Custom Reports will now support Microsoft Office 2010 PowerPoint and Excel.

#### Bug Fixes

- Fixed issue within Audit Data Administration to address database size bug, and expanded data purging capability to enhance the Hub's capability automatically maintain itself.
- Fixed issue with CID Keys having 1min sampling frequencies.
- Fixed issue with scheduled imports of VM Directories.
- Fixed issue with scheduled imports of User Directories.
- Fixed various chart displays inconsistencies within the UI Inspectors.
- Hardened virtual appliance further by patching for latest vulnerabilities.

#### Known Issues

- Automatic upgrades of CID Keys are not supported in 4.7.0. The 4.6.3 version of the CID Key expects an MSI based upgrade mechanism whereas the 4.7.0 is an EXE based installer. Automatic upgrades will be supported again from 4.7.1 onwards.

#### Upgrading

- Upgrade using the standard console based commands to go from 4.6.3 to 4.7.0.
- Turn OFF Auto Upgrade of CID Keys prior to upgrade.

---

## System Requirements

### Stratusphere™ Hub

<b>Hypervisors Supported</b>	VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher, Citrix XenServer 5.5. <i>Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats.</i>
<b>Download Size</b>	683MB
<b>CPU</b>	1 vCPU (capable of supporting multiple processors)
<b>Memory</b>	2GB for Monitoring < 500 machines, 4GB for Monitoring < 1000 machines.
<b>Storage</b>	6GB pre-allocated. 30GB Drive for up to 1500 machines for 30days.

### Stratusphere™ Network Station

<b>Hypervisors Supported</b>	VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher, Citrix XenServer 5.5. <i>Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats.</i>
<b>Download Size</b>	562MB
<b>CPU</b>	1 vCPU
<b>Memory</b>	512 MB.
<b>Storage</b>	3.5GB pre-allocated.

## Version 4.6.3, released September 17<sup>th</sup>, 2010

### What's New?

- ProfileUnity 4.6.4 release with updates for Windows 7.
- Enhanced & optimized performance of processing CID Key Inspection reports on Hub.

### Bug Fixes

- Fixed issue with Login Delay and Application Load Times for non-persistent virtual desktops.
- Removed need to restart CID Key services after installation on Windows 7 virtual desktops.
- Fixed CID Key registration issue in DHCP environment.
- Fixed custom report template overwrites issues during upgrade from previous version.
- Fixed CID Key services startup dependencies to wait on kernel and network services.
- Changed default Network Station policy to stop logging all TCP connections and log CID Key Communications on TCP/5501 by default.
- Fixed license count issue so that it only counts new registrations and not re-registrations.
- Removed auto-population of machine groups based on network connections that would cause user confusion in Machine Inventory counts. The feature is still available but users need to specifically turn ON auto-population of machine groups based on network connections.
- Fixed software update of appliance to work through proxies.
- Safety checks so that CID Key installation does not occur in system folders.
- Report Updates:
  - Application Inventory
  - VDI Assessment Summary
  - Machine Inventory
  - Assessment Findings
  - Application Virtualization Targets

### Known Issues

- Auto-upgrade of Advanced CID Keys is unreliable. We have seen few cases, when it fails to upgrade itself automatically.

### Upgrading

- Upgrade using the standard console based commands to go from 4.6.2 to 4.6.3.
- Turn OFF Auto Upgrade of CID Keys prior to upgrade. Test out the new CID Key version on a few desktops, and then turn Auto Upgrade ON for all virtual desktops.

## System Requirements

### Stratusphere™ Hub

<b>Hypervisors Supported</b>	VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher, Citrix XenServer 5.5. <i>Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats.</i>
<b>Download Size</b>	696MB
<b>CPU</b>	1 vCPU (capable of supporting multiple processors)
<b>Memory</b>	2GB for Monitoring < 500 machines, 4GB for Monitoring < 1000 machines.
<b>Storage</b>	6GB pre-allocated. 20-30GB Drive for up to 1500 machines for 30days.

### Stratusphere™ Network Station

<b>Hypervisors Supported</b>	VMware ESX 3.0 and higher, VMware ESXi 3.0 and higher, Citrix XenServer 5.5. <i>Note: In an unlikely scenario where the appliances need to be run on VMware Player, VMware Server, and VMware Workstation we recommend the use of VMware Converter 4.x to convert the appliance file formats.</i>
<b>Download Size</b>	562MB
<b>CPU</b>	1 vCPU
<b>Memory</b>	512 MB.
<b>Storage</b>	3.5GB pre-allocated.