



Product Release Notes: NComputing vSpace[®] Software for the L-series version 4.09.002

Thank you for using NComputing[®] products. These release notes contain important information regarding the newest available release for your L-Series NComputing desktop virtualization kits.

Product: NComputing vSpace for L-Series devices

Version: 4.09.002 (or 4.9.2) for 32-bit versions of Microsoft Windows Server 2003 R2 and Windows XP*

Thank you for using NComputing products. These release notes contain important information regarding this release of vSpace software for L-series devices. NComputing recommends you read the entire document thoroughly prior to installation.

Notes on this release include:

- This is a vSpace maintenance release for NComputing's L-Series family of products** including the new L300.
- This vSpace release includes a trial license and must be registered to allow L-series device operation beyond 1 hour of session time.
- This release is only intended to be installed on a clean OS or to upgrade a current L-series vSpace host. Do not install it on an OS where U- or X-series vSpace was previously installed
- If you are updating from an earlier version of vSpace (for example 4.5.2 or 4.9.1) please manually uninstall the old vSpace version prior to running the 4.9.2 installer
- Added new .msi installer for greater installation flexibility including network and silent installs (see the included vSpace MSI document for more information)
- If using the online update process, please use "save the file" and install the file locally; the update wizard's "run" function will not install vSpace directly from the internet (don't forget to uninstall 4.9.1 first)
- vSpace transcoding performance optimizations were made that reduce CPU load associated with multimedia streaming



- Added Direct JPEG video streaming that allows the host to transcode for L300 streaming without fully-configured DirectShow support
- Improvements made to Adobe Flash support including better detection of embedded players in HTML
- Improved startup operations for auto-connect mode
- L300 firmware release v.1.00.001
 - Adds capability to automatically update from designated ftp host
 - Control+Alt+Delete behavior corrected to launch host task manager
 - To upgrade to the latest L300 firmware (v1.00.001), each device must first update to an intermediary version (v1.00.000). This means that each L300 device that updates must do so twice to receive the latest firmware.
 - In some cases, the L300 update process may fail without generating an error message. Please check the firmware version via the vSpace console's "Device Information" screen to confirm that the update was performed successfully. A failed update may have occurred if the device does not reboot (which takes ~30 seconds), but simply resets the interface after a few seconds.

Tips & Errata Items

- Auto-login is not persistent on the device alone and must be configured on the device and on each host through the console
 - See Knowledge Base for more info on how to configure this feature (search for "autologin")
- When autoconnect is enabled and you wish to get to the L300 setup screens, use the "esc" key during the L300 boot cycle to exit the auto-login process and access the GUI
- Full-screen Flash video: when running accelerated Flash video in full screen, CPU utilization will be significantly higher than for other accelerated video formats. Future versions will continue to reduce CPU utilization of full screen accelerated video.
- Video Streaming: the L300 can support one transcoded stream at a time per device



- Video: only the first video using DirectShow in the user's session will stream to the L300, subsequent multiple accelerated streams (launching a new player) will not be supported simultaneously. In the future multiple simultaneous accelerated streams are planned. The first streaming instance for a given L300 must be exited to release the streaming Directshow pipeline
- Flash is more dynamic, if a second video is played and covers the previous window then the streaming pipeline will switch.
- If connecting over 25 users, please watch the Windows Server 2003 and Windows XP 536 MB paged memory limit. If paged memory use starts to get above 515MB, we advise not connecting any further users.
- When a video or Flash stream starts, you may see a very brief blue window where the video stream will play. This is normal behavior but will be minimized in a future release.

*Windows Server and appropriate client access licenses are required for multiuser environments using NComputing products. Client operating systems such as Windows XP, Windows Vista and Windows 7 are appropriate for single user applications such as 1:1 VDI, display systems and remote access. Additional information on licensing is available at www.ncomputing.com/mslicensing including frequently asked questions.

**Older L100 units may need to use 4.4.7.

Contacting Technical Support and Additional Resources

- Visit NComputing's Knowledge Base at <http://www.ncomputing.com/support.aspx> for more information.
- To request Technical Support, please visit the NComputing Support page at <http://www.ncomputing.com>
- For general information about NComputing please visit us at <http://www.ncomputing.com>

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