



RELEASE NOTES FOR NUKE 6.0v2

This is a maintenance release of Nuke with feature enhancements and bug fixes.

6.0v2

Version

Nuke 6.0v2

Release Date

19 February 2010

Supported Operating Systems

- Mac OS X 10.5 "Leopard" and 10.6 "Snow Leopard" (32-bit only)
- Windows XP SP2, XP64
- Linux CentOS 4.5 (32- and 64-bit)

New Features

There are no new features in this release.

Feature Enhancements

- Write functionality has been enabled on Python bindings for the Curve library and RotoPaint.

Bug Fixes

- BUG ID 7988 - Python: Made the execute and render functions accept a node object as the first argument.
- BUG ID 9256 - Python: pluginAddPath with addToSysPath now adds individual items rather than resyncing the entire path every time.
- BUG ID 9260 - A crash occurred when cancelling a Tracker node put in after a FurnaceCore node.
- BUG ID 9513 - RotoPaint tree didn't refresh correctly after updating via the Python API.
- BUG ID 9627 - RotoPaint: A toolbar option was added to switch between drawing on all views or the current one.
- BUG ID 9664 - RotoPaint: Onion skin was not showing when **bg** and **bg1** had the same source and time offset.
- BUG ID 9745 - RGBA values do not update in the Viewer while disabling a ColorCorrect.
- BUG ID 9767 - Exception thrown after iterating over a RotoPaint element.
- BUG ID 9794 - RotoPaint API: A crash occurred with a specific script.
- BUG ID 9798 - RotoPaint: Transform handle hotkeys (**T**/**Shift+T**) did not work consistently.
- BUG ID 9851 - Windows file permission error occurred on render: "Can't rename .tmp to final, File exists".
- BUG ID 9914 - OSX NukeX shortcut does not work if the application is moved.

- BUG ID 9915 - Note in User Guide was fixed to state that ffmpeg does not work on XP 64.
- BUG ID 9966 - RotoPaint: Clone jack remained visible when using a different tool as long as the Clone Settings toolbar is open.
- BUG ID 10007 - A crash occurred when tracking with a disk cache node before the Tracker node.
- BUG ID 10020 - RotoPaint: A crash occurred when setting a key on an un-keyed value from the previous frame.
- BUG ID 10024 - RotoPaint: **Ctrl/Cmd**+dragging from one Animation menu to another Animation menu to set up expression links would result in incorrect values being transferred.
- BUG ID 10028 - Copy and pasting clones caused corruption in saved scripts.
- BUG ID 10033 - Inverse LUT for some custom LUTs (including s-log) were not computed accurately.
- BUG ID 10039 - RotoPaint: On reopening a script, the Curve Editor displayed curves for all shapes when only one was selected.
- BUG ID 10046 - RotoPaint: Setting a key on a y-axis of a clone's translate when autokey would offset its value to zero.
- BUG ID 10050 - RotoPaint: Cloning of RotoPaint nodes was disabled to avoid a crash.
- BUG ID 10056 - LensDistortion node did not cache its image correctly when advancing in the timeline.
- BUG ID 10064 - RotoPaint: Improved the way that RotoPaint dealt with tangents when closing a shape.
- BUG ID 10069 - RotoPaint: Rotating a Bezier shape with Wacom pen and tablet could stutter.

- BUG ID 10076 - Linux NukeX shortcut shouldn't have been owned by root.
- BUG ID 10082 - RotoPaint: Object/layer transform control handle should move with its object/layer.
- BUG ID 10085 - Manually setting a key on the transform controls didn't work when autokey was off.
- BUG ID 10089 - RotoPaint: Open control panel blocked colour picking for Primatte.
- BUG ID 10112 - RotoPaint: Manipulating points was sometimes very slow for a single shape with many keys.
- BUG ID 10117 - RotoPaint: Clone tool overlays became sluggish after painting more than 100 clone strokes.
- BUG ID 10152 - LensDistortion: Clicking OK on a NukeX warning message turned undistort on.
- BUG ID 10163 - LensDistortion would crash when analysing lines if there was no input.
- BUG ID 10200 - RotoPaint: Increased default handle pick size from 5 to 10 in Preferences (**Preferences > Viewers > Handles**) to make point picking easier.
- BUG ID 10252 - LensDistortion: A crash would occur when analysing a 10K image.

Known Issues and Workarounds

RotoPaint

- The foreground onion skin overlay updates as you paint. This will change so the overlay only updates with the new stroke on pen up.
- It is not currently possible to clone RotoPaint nodes.
- BUG ID 9238 - Painting on Mac OS X and Linux is slower when the paint cursor is near the edges of the screen.

- BUG ID 9782 - Drawing slows down when multiple layers have been created and motion blur is enabled.

Other Known Issues

- File types in Windows and Mac OS X are associated with standard Nuke by default, so if you save a script on NukeX using features that are only included in Nuke (such as CameraTracker or FurnaceCore) and then double-click on the script icon to open it, it will open in standard Nuke instead of NukeX.
- Nuke prints "knob <knob name> doesn't have a node" to the terminal under some conditions. This warning is now obsolete and can be safely ignored.
- On 32-bit Windows XP, writing QuickTime files to UNC paths may not work if you are using an older version of QuickTime. This is due to a bug in QuickTime rather than Nuke. The solution is to use the latest version of QuickTime.
- QuickTime is not provided by Apple for Windows 64-bit applications and is not available in the Windows 64-bit version of Nuke at this time.
- On Mac OS X 10.5 (Leopard), when the Viewer is set to the **OpenGL stereo** stereo display mode, Nuke may trigger an OS X bug that causes a kernel failure. This is due to a bug in OS X 10.5 to do with stereo OpenGL support. For this reason, we do not recommend using the **OpenGL stereo** stereo viewing mode in Nuke on Leopard at this time. The bug has been registered with Apple as bug number 5897735.
- We direct FrameCycler to write to the user's Nuke temp directory (NUKE_TEMP_DIR) for its user settings files. You

can redirect this by modifying the FrameCycler/settings/Global_Settings.xml file that can be found within your Nuke installation.

- If you have trouble with FBX files, it may be because they were written with an older version of FBX. If they load very slowly, it is also possible that they are ASCII rather than binary. To get around these problems, you can use the FBX converter on the Autodesk web site. It converts between various different formats, including older FBX versions, ASCII, and binary, and is available on Windows, Mac OS X, and Linux.

To download the FBX converter:

1. Go to <http://usa.autodesk.com/adsk/servlet/index?siteID=123112&id=10775855>.
2. Scroll down to **FBX Converter** and click on one of the links to start the download.

- There is a Python syntax conflict when assigning knob names on the fly with `nuke.nodes.<node>()` if the knob is called 'in'.

For example, this will give a syntax error:

```
nuke.nodes.Shuffle( in = 'depth')
```

while this works because 'in' is a string here and not a keyword:

```
sh = nuke.nodes.Shuffle()  
sh['in'].setValue('depth')
```

- BUG ID 5063 - ScanlineRender: orthographic projection mode not working. This was fixed earlier, but the fix caused bug 5978 and so has been removed. The bug will be addressed more correctly in a subsequent release.
- BUG ID 5083 - Flipbooking the output of the Anaglyph node asks which view you want to render. This question is

unnecessary as the result is an anaglyph image. Irrespective of what view you choose, the flipbook output will be the same.

- BUG ID 5690 - Windows run-time libraries were not packaged properly with Nuke.

Nuke will now run correctly from a network install on Windows without specifically installing the run-time libraries, though we still recommend that you do so as there will still be some minor problems without them. For details, please see *Installation on Windows* in the *Installation and Licensing* chapter of the user guide.

- BUG ID 5922 - At the moment, cloning does not work properly with all OFX nodes. This affects, but is not restricted to, any nodes that have an analysis pass.
- BUG ID 6455 - You should not call the Python command `nuke.restoreWindowLayout()` from the Script Editor as that can cause Nuke to crash. Instead, you can use the same command from your `menu.py`, restore layouts by selecting **Layout > Restore Layout**, or use a custom menu or toolbar item.
- BUG ID 6896 - On Linux, UI corruption may occur if you are running Nuke under window managers that support OpenGL-based effects (for example, Compiz or Beryl) and the effects are turned on (that is, **System > Preferences > Appearance > Visual Effects** has been set to either **Normal** or **Extra**). The solution is to set **Visual Effects** to **None**.
- BUG ID 8063 - Creating many new nodes with `nuke.createNode()` and the `inpanel` argument at default (True) may crash when too many node control panels are created too quickly. The workaround is to pass the `inpanel` argument as False or else use `nuke.nodes.NodeClass()`

(where `NodeClass` is the type of node to create) to create the node and then connect it to the currently selected node manually.

- BUG ID 9150 - Python: `fbx_node_name` knob enumeration items are only populated when used in the GUI.
- BUG ID 9151 - Setting values on enumeration knobs for FBX nodes via Python in the GUI does not update the knob correctly.
- BUG ID 9521 - Currently, the Nuke Viewer cannot cache very large plate sequences in float. The limit per frame is 50MB. If your frames are larger than this, you may need to switch to proxy mode for the caching to work.
- BUG ID 9851 - Windows file permission error on render: "Can't rename .tmp to final, File exists". This file permission error can appear for a variety of reasons, but usually means that the final output file is in use and can't be overwritten. Sometimes this was due to Nuke itself accessing the file for the current script, and this case of the problem has been fixed. If the message still appears, check if a different instance of Nuke or another application could be using the file at the same time.
- BUG ID 10048 - With some larger scripts, playback performance of cached frames will be improved by turning off the Viewer overlay. This currently means that Viewer playback performance may be faster when turning off the overlays in the Viewer, by pressing 'O'.