

What's new for this release



Thanks for helping us make this the best release of **Create** yet. Following are lists of new features and bug fixes that you can expect to see in this release. As always, we welcome your comments and suggestions.

Note that if you are an experienced **Create** user, it is essential that you read this file thoroughly so that you are aware of any changes that might affect the way you work with the application.



Features New in 3.x

✓ Selection_Status;¬**QUAD Fat Architecture.**

Create now runs on Motorola, INTEL, HP-PA RISC and SPARC architectures.

✓ Selection_Status;¬**Image Inspector.**

953831_paste.tiff ¬

When an EPS or TIFF is selected, the First Inspector brings up information on the underlying data format of the image..

✓ **Layers:** Selection_Status;¬**Hide, lock and show.**

612287_paste.tiff ¬

Create has new power with Layers - each page can have as many layers of graphics as you want - it's easy to add them and work with them.

124400_paste.tiff ¬

✓ Selection_Status;¬**More Art Galleries.**

You can keep many on-line art galleries:

925275_paste.tiff ↵

"My Art" is loaded from ~/Library/Stone/Create/CreteImages

"Our Art" is loaded from:

/LocalLibrary/Stone/Create/CreteImages

If that directory exists, or:

/LocalLibrary/Create/CreteImages

if that directory exists.

✓ Selection_Status;↵**Paint Brush Settings.**

Now you can be styling with a totally adjustable paint brush, look under "Info->Preferences..." and select "Tools" from the pop up button:

427909_paste.tiff ↵

✓ Selection_Status;↵**Background Image.**

Now, each page can have a background image displayed while you work. It doesn't print, and only it's filename is saved, but this is handy for tracing or autotracing images

282778_paste.tiff ↵639479_paste.tiff ↵.

Open Image... allows you to choose an image from the open panel. Remove Image to get rid of image from view. Hide Image to temporarily hide it from view.

You can control the amount of transparency in the image by moving the "Background Image Transparency" slider:

277093_paste.tiff ↵

<----- Transparency

Opacity----->

which is located in the "TIFF" subportion of the Preferences panel.

✓ Selection_Status;¬**Auto Tracing of TIFF images.**

Now you scan in quick sketches and have Create turn them into editable lines and curves! Any type of TIFF can be converted.

A TIFF like this:

685477_paste.tiff ¬

Can become editable objects like these:

446759_paste.tiff ¬

On STONE_CD, Volume 2, you'll find the "MayanMan.tiff" image in Stone_Stuff/Create/AutoTrace, so you can try this!

✓ Selection_Status;¬**Colorful Interface:**
Icons on the inspector panel are more colorful.

✓ Selection_Status;¬ **Template Files**
You can now save template files for later use with New...
When you open a template, you get a new, unsaved document identical to the template. This is useful for creating stationary, reports, etc.

To save a template, select File->Save Template...

634110_paste.tiff ¬

This will allow you to save a document to one of the Template directories:

~/Library/Stone/Create/Templates

/LocalLibrary/Stone/Create/Templates

You can traverse between these directories with the accessory view's radio button matrix:

308654_paste.tiff ¬

The semantics of "New" have changed slightly:
"New Empty" means a new, empty document.

970475_paste.tiff ↵

"New..." runs the Open Template panel:

910045_paste.tiff ↵

The same radio button matrix lets you choose either of the template directories, you can also choose "New Empty" if you want a fresh one...

To edit a template, use the standard Open... command. Any existing document can be a template; to make it easy to access, move it to one of the template directories...

Export, Embedding, and Links:

✓ Selection_Status; ↵ **Editable EPS files**

Now you can re-edit EPS files generated by Create (either by exporting or by using the DataWell). When you drag the EPS created by Create back into a Create document, you can access each component of the file in their original form.

To enable this functionality, in Preferences, select this switch in the Document subpanel:

620707_paste.eps ↵

✓ Selection_Status; ↵ **OOE Compliance: Embed Create graphics in OpenWrite.**

OOE_Logo.tiff ↵ Create 3.0 is Level 2 OOE compliant - which means

that you can use Create to design and edit graphics in OOE Client applications, such as XANTHUS's OpenWrite word processing application.

From within OpenWrite, you can launch Create and make a new mini-doc, and as you save, your changes are reflected in the OpenWrite document. The image, with its Create file format, is stored within the OpenWrite document for single-click editing by Alternate-clicking the OOE_IconSmall.tiff ↵.

Level 2 OOE allows you copy Create graphics and then paste and embed them into an OpenWrite document. Moreover, you can drag and drop Create files into an OpenWrite document to either copy or embed the graphics for later editing by Create.

✓ Selection_Status;↵**File Filtering**

Built into the Create.app wrapper is "CreateConverter.daemon" - a filter application which can convert Create files into other data formats. Applications which check NXImage's **+imageUnfilteredFileTypes** can accept drag & drop Create documents as EPS, TIFF, ascii, RTF or OOE.

Moreover, this applet is callable from the command line for bulk conversion of files.

NOTE: a hideous bug in NS 3.3 and earlier versions that we notified NEXT about in 1993 prevents using the filter with Edit and Mail. If you have more clout than we do, ask them to fix:[40011] Filter services!

✓ Selection_Status;↵**Export Control of TIFF images.**

A new preferences module, "TIFF", allows you to decide how TIFF images are exported when dragged from the DataWell or exported via Save As... Their compression, bit depth, presence of alpha are user definable:

884392_paste.tiff ↵

NOTE: the "**Export all representations**" switch applies to the case where you are exporting a single TIFF object that has multiple representations (eg, a 12 bit and 2 bit representations). Also, **Export with alpha**, has no affect in this case. If you need to remove alpha from a single TIFF image, we suggest drawing a white rectangle around the TIFF, selecting both, and then dragging from the DataWell.

✓ Selection_Status;↵**True object links with no redundant storage.**

NEXTSTEP's behavior of object linking is to store a representation locally of the linked image. On large TIFF files, this will double the space needed to store both the source TIFF and the destination Create document. Create offers an option to not store the image:

1. Select the linked image
2. Edit->Link->Link Inspector to bring up Link Inspector
3. Select "Save space: no local copy of image":

768434_paste.eps ↵

As well as altering this on an image by image basis, you can select which behavior you want in the Preferences Panel, under the *Misc* pop up:

620831_παστε.τιφφ ←

Mail:

✓ Selection_Status;↵**Prepare for Mailing.**

Object links are handy, except when you need to send the documents off-site. This new menu item prepares a version of your document that has all the links "folded" in, so that the recipient gets all the linked files. It's under Edit->Link menu:

123250_πλοστε.επισ ←

- ✓ Selection_Status; ▸ **Allow user to set alternate email of suggestions/bugs:**

In a terminal window, type:

dwrite Create SupportEmail <address>

where <address> is where you want the email sent; which is by default *bugs@stone.com*.

- ✓ Selection_Status; ▸ **Allow user to set alternate Mail application:**

In a terminal window, type:

dwrite GLOBAL Mailer <MAIL_APPLICATION>

where <MAIL_APPLICATION> is your Mail application; by default, this is Mail.app. When you send your suggestions and bug reports, they will be sent using this Mail application.

- ✓ Selection_Status; ▸ **Zooming now remembers your zooms**
When you zoom to non-standard zooms via the "Set..." item, Create remembers where you have been, and all documents created or opened thereafter will show these zooms on the zoom pop up list:

630633_paste.tiff ▸

- ✓ Selection_Status; ▸ **Panel Management made easier**
You can change on the fly whether or not Create's panels float over the main document. This is useful on small screens. In Preferences, Launch, select this switch:

743263_paste.tiff ▸

This setting is remembered for the next session.

✓ Selection_Status; ▸ **Printing just the zoomed portion of a page**

Normally, Create prints at 100% of the document size, regardless of what zoom you have selected. Now, you have a choice of what to print when you are zoomed in above 100%. In Preferences->Printing, use this switch:

746844_paste.tiff ▸

to print what's visible at the higher zoom instead of the whole page at 100%.

Text:

✓ Selection_Status; ▸ **Support for 2 byte fonts, like Kai-Su:**
490468_paste.eps ▸

Other two-byte fonts can be enabled by typing this into a terminal window, where FONT_NAME is the name of two-byte font:

dwrite Create <FONT_NAME> yes

✓ Selection_Status; ▸ **Convert Text Types**

You can now convert a Super Text to a Paragraph Text, or a Paragraph Text to a Super Text by simply clicking a menu item:

693044_paste.tiff ▸

✓ Selection_Status; ▸ **Text in a box**

You can add a box around any paragraph text graphic by simply clicking on the Outline checkbox:

813900_paste.eps ↵

Use the outline inspector's outline width and color well to set it's attributes. In order to give a pleasing offset equally on the left and the top, the box extends 5 pixels to the left and top of the standard text graphic.

Design:

- ✓ Selection_Status; ↵ **Layout Guides for easy placement of objects.**

Now you can drag in guides from the rulers for easy alignment of objects. Guides create "Gravity" - when an object is moved across a guide, the object "clings" to the guide in the following manner, in this example, we'll describe a vertical guide:

If the left of the object is near the guide, the left side of the object aligns with the guide. Otherwise, if the right side of the object is near the guide, then the right side of the object is aligned with the guide. Finally, if neither of the above cases produced gravity and the center of the object is near the guide, the center is aligned with the guide.

To Insert Guides into your document:

1. bring up the rulers with "Show Rulers" (command-r)
When the cursor enters the ruler area, it becomes
a:863851_paste.tiff ↵ in the side ruler and a 16657_paste.tiff ↵ in the top ruler.
2. Click in the top ruler and drag down a horizontal guide
Click in the side ruler to drag across a vertical guide:
805703_paste.tiff ↵
3. To move a guide, click on it and drag with the mouse-down.
4. To remove a guide, click on it and drag it off the document.

5. Guides do not print, they are hidden and turned off when the rulers are hidden. Grid should be turned off for the guides' "gravity" to work.

6. Guides are saved with your document.

- ✓ Selection_Status; ▸ **Allow multiple items to receive a pattern:**
With multiple objects selected, drag a pattern onto the Fill Pattern Inspector to give all of those objects the selected pattern: 130060_paste.tiff ▸

- ✓ Selection_Status; ▸ **Initial Colors:**
Now it's easy to set the initial colors of outlines, fills, blends, shadows, and multiples by using the newest addition to the Preferences Panel, "Initial Colors":

462092_paste.tiff ▸

Just use the Color Panel to select your favorite colors.

- ✓ Selection_Status; ▸ **Groups of clipping objects:**
Now, groups composed of Splines, Poly-Splines, Freehand curves and Paint Brush graphics can be used as a composite Mask in "Mask Group". Since any other object can be turned into a spline via "Make Spline", this allows you to clip, for example, TIFFs, with disjoint paths:
example.tiff ▸

- ✓ ReversePath; ▸ **Reverse Path feature for splines and lines:**
Splines, Poly-Splines, Freehand curves and Paint Brush graphics can be "reversed", ie the first point becomes the last point, the last becomes the first. *Object -> Splines/Lines menu:*

500601_paste.tiff ▸

This is very useful to exploit the "non-zero winding number rule" in PostScript, especially in conjunction with groups of paths used

for creating a composite Mask in "Mask Group". This would, for example let you make a pencil graphic, reverse it with "Reverse Path" and then it use it to create "holes" within the mask:

368725_paste.eps ↵

✓ **Unscale;↵Unscale Objects**

In the original Create Paradigm, an object 'remembers' the size it was created at. If you later resize that graphic, the outline would scale. Because this creates very interesting effects, we kept this paradigm. BUT - there are times when this is not what you want. Instead, you want the object to grow to its new size and then consider itself not a scaled object.

339572_paste.tiff ↵

Here is an example of what we mean:

original: after resize: after "Unscale":

106193_paste.eps ↵

Features New In 2.1

✓ Selection_Status;↵**The Arc Tool was added:** paste.tiff ↵

Now it's easy to do pie charts and accurate arcs with precision:

369972_paste.eps ↵454128_paste.eps ↵

DataWell Selection Status Field Zoom Controls Page
Controls
paste.eps ↵
Data Type popup Select Previous Select Next

DataWell; ↵√ The Create DataWell

The new datawell in each create document has 6 different file types that you can drag out and drop in all conforming NEXTSTEP apps: EPS, TIFF, CreateImage, PS, RTF and ASCII.
You can even drag them into another Create document, as a shorthand for copy/paste!

What you get depends on the current type in the well, use the Data Type pop up to change to another data type.

EPS: if nothing is selected, than all the objects on that page are saved to a *.eps* file. Otherwise, just the selected objects are saved.

TIFF: if nothing is selected, than all the objects on that page are saved to a *.tiff* file. Otherwise, just the selected objects are saved.

Create: if nothing is selected, then all the objects on that page are saved to a *.createImage* file in /tmp. Otherwise, just the selected objects are saved.

PS: the entire document is printed to a *.ps* file in /tmp.

ASCII: if no objects containing text are selected, all the text in the document are saved to a *.ascii* file in /tmp. If there are no objects containing text, you get a beep.

RTF: if no objects containing text are selected, all the text in the document are saved to a *.rtf* file in /tmp. If there are no objects containing text, you get a beep.

NOTE: the files created in /tmp are removed when you quit Create. Remember, if you want to keep a file, don't leave it in /tmp! All /tmp files are removed by the system when you reboot your computer.

Selection_Status;↵✓**Selection Status Field**

This field helps you identify what type of object is currently selected in your document. If more than one object is selected and they are all of the same type, it will display those objects's name.

Use the buttons on either side of the Selection Status field to select the previous object (left button) or next object (right button) in the layer of objects on the page. If all objects are selected, then clicking one of these buttons causes no object to be selected; this is handy when clicking outside of the selected objects would be hard because they fill the page.

✓ Selection_Status;↵**Complete On-line Manual Database**

A complete, searchable online database is provided as an installable package. Once installed, this will place a new menu item in the **Info** menu, **Online Manual....**

87177_paste.tiff ↵

This will launch DataPhile (included on the CDROM as a demo).
;↵;Online_Manual.rtf;↵ For more information.

✓ Selection_Status;↵**Double-Click a text object to edit**

Brought back by popular demand, you can quickly edit Super Text or Paragraph Text by double clicking it.

✓ **User patterns now flow with .createImage files**

This allows you to paste or drag and drop patterns that reside on the

pasteboard or in a .createImage file into DataPhile or into another user's Create doc.

Features New in 2.0

- ✓ Create 2.0 introduces full compatibility with NEXTSTEP 3.1 for Intel Processors on NeXT-qualified Intel-based configurations and for original Motorola-based NeXT hardware.
- ✓ You can include link buttons, icons and linked files in any **Create** document for automatic and manual updating. You can also link to **Create** files from any other NEXTSTEP application that supports linking.
- ✓ **Create** supports Bacchus' ImageAgent image filters. For example, you can drag and drop GIF images into **Create**.
- ✓ You can create stunning patterns with unlimited variety, and easily share them on your network.
- ✓ You can have multiple pages in a single **Create** file, and can also automate their sequential display using a specified delay time between pages. Users who have worked with previous versions of **Create** should note that the Command-key equivalent Cmd-D has been removed from Disable Redisplay and reassigned to Delete (Page).
- ✓ The new paintbrush tool functions similarly to the freehand tool, but yields wide swaths of color or patterns and an on-the-fly choice of two drawing styles.
- ✓ You can bind Super Text to a curve or spline, and edit the resulting text object.
- ✓ You can add a date marker and/or page number (a favorite of **DataPhile** users everywhere) to any **Create** document.
- ✓ You can instruct **Create** to remember any number of editing actions so that you can undo those actions in reverse order. The

Undo and Redo commands update to specify the edit actions that would be undone and restored by issuing the commands, respectively.

- ✓ The Free Undo Buffers command clears your computer's memory of editing actions that it is holding for the Undo command.
- ✓ To accommodate newly established NEXTSTEP standards, the Command-key equivalent of **Create's** Paste Effects command has changed. It was Cmd-V in previous versions; it is now Cmd-E, and the new command Link-menu command Paste and Link is Cmd-V per NEXTSTEP convention.
- ✓ **Create** 2.0 introduces extensive on-line Help. Hold down the Help key (or applicable Help key-combination) on your keyboard so that the mouse arrow becomes a question mark, then click anything on your screen to learn about its uses.
- ✓ When you zoom into a document while an object is selected, **Create** will adjust the zoomed window's orientation so that the selection is in view.
- ✓ In previous versions of **Create** you could double-click Super text or Paragraph text as a shortcut for selecting it when a non-text tool was active. As of **Create** 2.0, you Command-click instead of double-clicking. This is both a feature and a fix; it streamlines the selection process and fixes some spurious bugs.

Fixes 3.1

- ✓ If your page is fully exposed and you change the page layout, Create will fully expose your new layout.
- ✓ Layers with groups works now.
- ✓ If you add an object to an invisible layer, it becomes invisible.
- ✓ Background images now zoom correctly.

- ✓ Menu Item **Windows->Remove Gremlins** is useful if you've created too tiny objects or objects which are off of page.
- ✓ Other various bug fixes.

Fixes 3.0

- ✓ Zoomed Images that are rotated don't disappear.
- ✓ The file document wrapper modification time is updated when you save.
- ✓ Any key down will terminate the construction of a multi-path object such as spline and poly line.
- ✓ Mask Groups scale correctly now.
- ✓ When you cannot save a file, you get a useful message.
- ✓ Super Text moves correctly without "jumping".
- ✓ Super Text handles appear in correct place if you edit the object via the Font Kern Inspector.
- ✓ Groups with lines now ungroup correctly.
- ✓ When you edit a Super Text object, key downs no longer get "lost".

Fixes 2.1

- ✓ Save works correctly with Version 1.x documents.
- ✓ If you saved a file at a zoom other than 100%, it now redraws correctly when loading.
- ✓ Create reads your "use alpha" preference correctly.

- ✓ If you make changes to a document, where the last change is a move or a nudge and save that document, subsequently moving the selected object now causes the window to become dirty, and therefore allows the "Save..." command to be activated.
- ✓ If you are editing paragraph text, and the cursor is still active, and you go to another page or print, you no longer lose the newly edited text.
- ✓ Splines correctly mask when used in a mask group.
- ✓ There were occasions when a single page document would be printed on two pages incorrectly - this is fixed.
- ✓ If you tried to save a doc where you had read permissions, but no write permissions, you'd think you saved it (the title changes) but in reality, nothing was saved! Fixed.
- ✓ Size Inspector updates after each "nudge".
- ✓ When you "make spline" on a Super Text graphic, the pieces which make up the inside of letters like "AaBbdDegOoPpQqR" (did you find the pattern?) are correctly brought to front and filled with white.
- ✓ Graphics took the "don't use cache" bit at creation time, but there was no way to modify this afterwards. Now, toggling the preference will toggle all graphics in the main window.
- ✓ Drag & Dropping an image correctly updates the inspector.
- ✓ Copy Effects on an object with Fill incorrectly ignored whether a pattern was used - it always said it was. Fixed.
- ✓ When you change pages, the view no longer loses it's first

responder status.

- ✓ If you shortened or lengthed the amount of text in a Super Text object by editing, the handle's location got messed up. Fixed.

Fixes 2.0

- ✓ Drawing a NEXTSTEP-style box no longer causes the application to crash upon next draw action.
- ✓ Canceling out of the Page Layout window no longer crashes the application.
- ✓ Find now works correctly in the User PS window.
- ✓ The rulers now track the mouse when the document is not the key window.
- ✓ The Size·Location inspector now agrees with the rulers.
- ✓ Pressing Return will OK the Custom Zoom panel.

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