Duplicate Fonts After Upgrading to System 7.1 (8/95)

Article Created: 24 March 1993
Article Reviewed/Updated: 7 August 1995

TOPIC ---

After installing System 7.1, multiple fonts suitcases containing the same
bitmap fonts appear in the fonts folder. For instance, a font called Tekton has
two suitcases. One is called Tekton, the other called Tekton Oblique. Inside the
Tekton Suitcase are the font bitmaps for Tekton sizes 10, 12, 18, 24; and Tekton
(italic) sizes 10, 12, 18, 24. Inside the Tekton Oblique suitcase are the font
bitmaps Tekton Oblique sizes 10, 12, 18, 24. The Tekton Oblique bitmaps are
exactly the same when compared with the corresponding Tekton (italic) bitmaps in
the Tekton suitcase.

I want to know why this has happened, are any fonts damaged, and what can be
done to reclaim disk space. Fonts that exhibit this problem are usually supplied
by PostScript font vendors such as Adobe.

DISCUSSION --

Why This Happens

Font suitcases contain resources called FONDs. The FOND resources contain font
family information. This information consists of the sizes and styles, such as
Bold or Italic, for a particular font. The name of the font that appears in the
font menu is the name of the font family. This name corresponds to a FOND
resource. The FOND resource makes it possible to choose a font name from a font
menu and then apply a style to the font. Fonts that exhibit the above problem,
have two or more FOND resources in the original font suitcase. When moving fonts
from an earlier System file, the System 7.1 Installer creates a suitcase for
each font family (FOND resource) found in the System file.

For instance, the font suitcase, Tekton, has two FOND resources -- one called
Tekton and the other called Tekton Oblique. When you install the Tekton suitcase
in a System file before System 7.1, the two FOND resources are copied to the
System file along with corresponding font data (either TrueType or Bitmap data).
Font menus show both Tekton and Tekton Oblique. You have two ways to select the
italic version of Tekton:

- Choose Tekton from the Font menu and then choose the italic style.

- Choose Tekton Oblique from the Font menu.

You can use either method since the two FOND resources point to the same font data.

When the System 7.1 Installer converts fonts, it places any FOND resources and the associated font data into a suitcase in the Fonts folder. The suitcase is named after a FOND resource found in the System file. In the case of Tekton, the Installer creates two suitcases -- Tekton and Tekton Oblique -- since two FOND resources were copied into the earlier System file from the original Tekton suitcase. The Tekton FOND resource references the plain and the italic font bitmaps, so the new Tekton suitcase contains both. The Tekton Oblique FOND resource only references the italic bitmaps, so the new Tekton Oblique suitcase contains the same italic bitmaps as the Tekton suitcase.

No Fonts are Damaged

Some font data may be duplicated across suitcases. The FOND resources are not in one suitcase as they were originally, but reside across multiple suitcases. The system acts the same as before the installation of 7.1. The only drawback is the extra disk space used by the duplicated font data within the suitcases.

How to Reclaim Disk Space

The best way to fix the problem is to delete the suitcases in question and reinstall all the original font suitcases. No duplication of font data occurs and the fonts operate the same as they did before installing System 7.1.

A second option is to delete the duplicate suitcases. Deleting duplicate suitcases requires that you know which font suitcases are duplicates. This can be a labor-intensive task, as it requires comparing samples of the different bitmap fonts across multiple suitcases. In some cases, there can be five or more duplicate suitcases.

Also, when deleting duplicate suitcases, the extra FOND resources are deleted since they reside in the duplicate suitcases. This makes the font menus appear differently -- especially if you are used to selecting a particular font directly from the menu instead of applying styles. For instance, in the example described, after deleting the Tekton Oblique suitcase, the font menu only lists Tekton. You can only access the italic version of Tekton via a style selection menu or dialog box.

Recombining font suitcases does not solve the problem. This duplicates the data within the suitcases.

Article Change History:
07 Aug 1995 - Reformatted, reviewed, made minor corrections.

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Keywords: sys7

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19960215 11:05:19.00

Tech Info Library Article Number: 11831