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From: Lin Shaw
To: Brad Silverberg; Mack Mccauley
Cc: Chris Guzak; Eric Bidstrup; Viroon Touranachun; Zhanbing Wu
Subject: SuperPrint 2.2
Date: Wednesday, July 08, 1992 5:33PM

I did a brief study of SuperPrint 2.2, prompted by an article which claims that SuperPrint 2.2 now prints text faster than Windows 3.1 drivers. I could not find a case where SuperPrint printed faster than 3.1 Unidrv. There was only one case where SuperPrint was faster than the LJLT driver written by HP.

SuperPrint did print 100% faster than their previous version because SuperPrint now implements incremental download of TT fonts, rather than rasterizing the whole page.

In the attached excel spread sheet you will see all the timing I did. I also included some timing for deferred printing which Viroon implemented. It is very encouraging: 3 sec v.s. current 11.5 sec printing multiple TT fonts. (Before you get too excited on deferred printing, we still have a lot of work to do as some of the printed images using metafiles were not accurate).

Please note that I used my 386/33 with 8 MB of RAM, so Unidrv only used 1 band to print. On a system with less memory our timing will increase, but superprint and deferred printing's timing will remain the same.

My conclusion is that the author of the article probably used LJ3 driver which has a lousy implementation for TT handling both in width-caching and downloading. He then concluded that we were slower in text handling than SuperPrint 2.2.

There are some cool features in SuperPrint's SuperQueue which I will cover under separate mail. We should consider them in Chicago.

Lin

<<File Attachment: TIMING.XLS>>
(I am having trouble attaching the excel spread sheet. IF you don't get it, it is on \\pyrex\user\flins).

From: Katrina Eason
To: Brad Silverberg; Debbie Walker
Cc: Katrina Eason; Sue Frink
Subject: Rand Executive Briefing Request
Date: Wednesday, July 08, 1992 5:47PM

Hello!

Rand Corporation will be on campus September 15 & 16, 1992 for an executive briefing. Your executive have been requested and we may ask for his participation. If he will be out of town on these dates, please let me know. Sue Frink is the Specialist for the briefing and will be in touch with you in the future. Below are Celeste Boyer's comments and the account reps eform for your review.

If you have any questions, please let me know.

thanks!
Katy

>From: celesteb Thu Jun 18 13:38:57 1992
To: katye
Cc: celesteb
Subject: RE: Rand Executive Briefing Request

APPROVED

Please notify BradSi. I anticipate using him for a Q and A to back up Windows for Workgroups messages. Backup exec will likely be JonL.

That's it!

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Plaintiff's Exhibit

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Comes V. Microsoft