From: David D'Souza
Sent: Monday, December 14, 1998 8:02 PM
To: Megan Bliss; Jim Allchin (Exchange); Rick Waddell; Hadi Partovi; David Heiner (LCA)
Subject: RE: Urgent: ATTORNEY CLIENT PRIVILEGED: windows update changes

ATTORNEY CLIENT PRIVILEGED

Thanks this was helpful. I suspect the problem felten is talking about is the following: The download critical components installer has a link off the windows update site

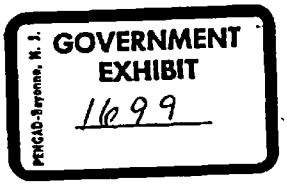
http://winupdate.www.conxion.com/msdownload/update/x86/w98/en/ie4/cab19981204/advpack.exe

So, per my previous mail, his code doesn't allow it through and fails with a error "Unable to open this internet shortcut. The Protocol "http" does not have a registered program."

This error is absolutely consistent with the way he "disables" browsing by hiding protocols. (This is the same way we disabled browsing in the navigator demo.)

Dave

-----Original Message-----
From: Megan Bliss
Sent: Monday, December 14, 1998 7:06 PM
To: Jim Allchin (Exchange); Rick Waddell; Hadi Partovi; David Heiner (LCA); David D'Souza
Subject: RE: Urgent: ATTORNEY CLIENT PRIVILEGED: windows update changes
Importance: High



Attorney-client privileged

As much as I know is below. It would take a "**very**" long time to document every change we've made to our site since we went live on 6/8 (5 platforms x 31 languages with continual churn). I have a schedule of the major changes included below. Most notable changes were on 11/4 when we moved to version 2 of our technologies. We did make a minor change to critical update notification on 12/4. Details are highlighted in the mail below. I'll let Hadi and David answer questions about his program. No one on my team has ever looked at his stuff or interacted with it in any way shape or form-in fact, no one on the dev team has ever even heard of the guy

I'll be on mail all evening so please let me know if I can be of further assistance.

-----Original Message-----
From: **Jim Allchin (Exchange)**
Sent: Monday, December 14, 1998 5:48 PM
To: Megan Bliss; Rick Waddell; Hadi Partovi; David Heiner (LCA); David D'Souza
Subject: Urgent: ATTORNEY CLIENT PRIVILEGED: windows update changes
Importance: High

Needed no later than end of day tomorrow (Tuesday). It would be great to have it for the opening in court tomorrow, but I expect this isn't possible.

Today in court Felten claimed that on 12/4 we changed the Windows Update site and it deliberately broke his uninstall program. I don't have the transcript before me, but I understand he said two things changed: that on that date windows update changed to put something in an IE directory which he has removed and further that we introduced a deliberate bug. We made one minor change on that date 12/4 (see below, highlighted for details)-updating critical update notification to fix a gpf fault problem customers were having. We changed on 12/7 & 12/8 code to release the y2k patch and updated java vms for both IE 4 & 5 versions of the site. Our focus between 11/18 and 12/7 has been to do international releases of our v. 2 site and the IE 5 beta. Just thought of something though: the windows mktg guys shipped a new site on 12/3-including updates to the Windows Update-*branded* downlevel sites. What OS was he coming from? Was it Win98?!!!

I would like the following if it is possible:

1. A list of every time the web site has been changed during something like the last 4-6 months. And what was changed if you have a log of it. We want to say the site changes all the time -- business as usual. I will have this to you tonight, hopefully. We refresh the site at *minimum* every two weeks, usually a lot more often because of all the security patches we've had to ship. Since 11/4, when we shipped version 2 (IE 5 beta and

critical update notification), the following updates have been shipped out:

Win98/IE4

Critical Updates:
"Dotless IP Address" Security update
Live date: 10/22

Update for "Untrusted Scripted Paste" Issue
Live Date: 11/18

Windows 98 Year 2000 Update
Live date: 12/7

Picks of the Month:
Windows Critical Update Notification 1.01
Live Date: 10/15, updated 12/4

Additional Windows Features:
Windows Media Player 6 (update version 902.1)
Live Date: 9/30

Agent 2.0
Live Date: 11/4

Microsoft virtual machine
Live date: 12/7, updated 12/11

Preview Versions:
Internet Explorer 5 and Internet Tools Beta
Live date: 11/4

NT5 live site:
Chat 2.5
Live date: mid August

FrontPage Express
Live date: mid August

Scsiport.sys
Live date 10/15

Critical update notification
Live date: 10/15

NT5 online help documentation
Live date: updated on 12/11

On 11/4 there were major new changes to the site-the site code and UI was changed, the controls were updated (new versions of the active setup control), a new frame added, major text changes, addition of lots of new content and 4 new platforms (for IE 5).

IE4:

- 11/18: shipped an update to the "untrusted scripted paste" security patch
- 12/4: updated critical update notification to fix a gpf problem customers were having. One thing we do when you reinstall critical update is re-start/reinstall task scheduler. Note below
- 12/7: shipped y2k patch + updated java vm + miscellaneous text changes on the site
- 12/11: we updated the java vm to a later build to solve major support issues customers were having with the other java vm build + we added some site code to warn users when they select the y2k patch they are also getting the java vm because there is a dependency (there were y2k updates in the java vm, so to get compliant, customers need both)

•IE 5:

- 12/4: updated critical update notification to fix a gpf problem customers were having
- 12/8: shipped y2k patch + updated java vm + update to critical update notification
- 12/11: removed dependency between y2k patch and java vm (IE 5 java vm was already y2k compliant) so this involved a bit of site code change

Note we have not changed our core controls since 11/4 when v. 2 went live. Each time we add new content to the site we have to do minor work:

- post new cabs
- change wucif (this is the catalog file), to add reference to the new piece of content so active setup will recognize it
- we add read-this-first pages & mini-blurbs
- all this is done through a tool-so the catalog, etc. is automatically generated and points to the appropriate pieces of content.

2. The specifics of what changed on 12/4 -- if anything. Could it have anything to do with IE 5 beta? How much detail do you want on the critical update notification update? There was no functional change. Basically we stopped releasing part of active setup (inseng.dll)-the process exits, gets terminated. There were a couple threads and when we forced the code out there was a problem with the cleanup and it gp faulted. With this change we make sure things are released in the right order. We also stopped calling CoFreeUnusedLibraries which forced the code out. This was forcing the inseng code to get unloaded which caused a thread that was executing to gp fault. If you need more detail (eg. windiffs between the two pieces of code, let me know. We also have clear documentation on all the support calls related to this).

3. Hadi/Davidds, we need to retest Felten's removal program using Windows Update. Apparently, he claimed that his program did work with it before. According to davehe, Felten claimed he had downloaded software using WU after his program had been run. But, after 12/4 it stopped working. The demos I have seen never showed WU working after his program had been run -- from the first day we got his program. Given that he was adamant that it used to work, we must be 100% dead right that it never worked. Moreover, we need to understand what changed on 12/4 better so that we can explain it.

4. I would like to confirmation that the WU team never heard of Felten or at a minimum never did anything intentional dealing with Felten in any way. That is no change on the web site had anything to do with Felten or anything to do with the court case. We will announce this in court on Wednesday. We have never had any dealings at all with him, looked at his code or done anything to intentionally break any user experience with windows update. We have been changing the site a lot, but not substantially so since our 11/4 refresh when we shipped version 2 with the IE 5 beta and critical update notification.

sorry for the rush. Please no mail on this that is not attorney client privileged.

thanks,
jim