PWG - Internet Printing Project
Conference Call - May 28, 1997

<u>Attendees:</u>

Don Wright - Lexmark
Peter Zehler - Xerox
Roger DeBry - IBM
Scott Isaacson - Novell
Carl-Uno Manros - Xerox
Tom Hastings - Xerox
Ron Bergman - Data Products
Randy Turner - Sharp
Ira McDonald - Xerox
Angelo Caruso - Xerox
J.K. Martin - Underscore
Bob Herriot - Sun
Jim Walker - Dazel
Jeff Copeland - QMS

Agenda

1) Revised Charter
2) JOB MIB/IPP Harmonization

REVISED CHARTER

Carl-Uno led the discussion on the updates to the IETF Charter. There have been few comments on the mailing list.

An author is needed for the LPR mapping document. Someone with a system background, with LPR experience, etc. would be the ideal author. At this time, no one volunteered.

Should the date for prototyping move from July out? The group's opinion is that the July date is not realistic and should be moved out to at least August.

The group should plan on a bake-off of some type. The biggest concern is how to actually connect it to the Internet and be able to test the clients and servers in a real Internet environment rather than a more controlled, contrived network.

Should we split up the PROTOCOL document into two parts? One part that is actually protocol neutral and the other mapping to a specific protocol? Roger Debry suggested putting the protocol neutral items into the MODEL document rather than creating another document. Roger reminded the group about the difficulty of keeping multiple documents synchronized. A consensus began to form that putting the protocol neutral information into the MODEL document was the right thing to do. At this point Randy Turner expressed his concerns that fully separating the PDU from the transport would make a less efficient solution. Additionally, feedback from the Memphis IETF encouraged the group to put a stake in the ground and specify a complete protocol rather than attempt to be so generic and effectively specify nothing concrete. At the end, the group generally agreed to keep the MODEL document abstract and to create a PROTOCOL document that including encoding as well as the specific HTTP information.

A brief discussion on print-by-reference and its importance to the NC (Network Computer) environment was held. This discussion was suspended to allow the Job MIB/IPP harmonization discussion to begin.

JOB MIB and IPP Harmonization

The discussion centered on the number of job states that should be supported. There are basically three states: before, during and after printing. These three states are then broken down further to provide more information. This is a total of seven states:

Pending
Pending - Stopped
Processing
Processing - Stopped
Done - Abort
Done - Canceled
Done - Completed

JobState and JobStateReasons will be mandatory. A separate JOB conference call will be scheduled to work on this in more detail. Having harmony between the JOB MIB and IPP is necessary and a strong goal of the two groups.

Tom Hastings will write up a new proposal and most it to the mailing lists.

PROTOCOL DOCUMENT

The discussion on how much information to include in the PROTOCOL document resumed after the JMP discussion. A protocol working group meeting was scheduled for June 17th at SUN in Menlo Park starting at 9:30 AM.

Comments on Randy's IPP Protocol Document:

1) Where should the concept of levels of function be included?
2) Should the length fields be binary values or text? Many of the participants on the call thought fixed length ASCII encoded text for length is preferred. At the end, the opinions were still mixed but won't be changed right now.
3) We shouldn't call the OPERATION and attribute but rather keep it at the first of the PDU and call it something besides attribute.
4) A concern was raised over the concept of "unsupported-attributes."
5) What should happen on a GetJobs request? Everything? A specific list asked for by the client? Something else? Resolution: The clients get everything up to a specified limit using a filter provided by the client. This will be specified in the model document.
6) Values are unsigned
7) Names are limited as specified in the model document.

Carl-Uno reported on the security work and announced a security conference call will be held on Friday.

Bob Herriot will set up a Monday conference call to discuss the protocol document in more detail.

The conference call ended at 6:50 PM EDT