

1 From: Hastings, Tom N [hastings@cp10.es.xerox.com]
2 Sent: Tuesday, November 28, 2000 15:31
3 To: ipp (E-mail)
4 Subject: IPP> Proposal for a "Complete Internet Printing" standards
5 track document

6
7 Suggested topic for tomorrow's (11/28/00) telecon and the IPP WG meeting
8 next week (12/07/00) and the mailing list:
9

10 One of the short comings of IPP is that there is no single document that
11 pulls together the set of standards necessary for end to end printing on the
12 Internet and within the Enterprise. The IPP documents deal only with job
13 submission, job management, and Printer (service) management. To overcome
14 this problem, it is proposed to write a short IETF standards document (10-15
15 pages) that would cite other standards for complete end-to-end printing.
16 The purpose is to have a single standard that defines all the aspects of IPP
17 Printing from boot-up, registration, discover, Client Print Support File
18 down-load (print drivers, font metrics, etc.), job submission, job
19 management, and Print Service management for Internet and Enterprise
20 printing.
21

22 Suggested working title: "Complete Internet Printing"
23

24 This document will leverage existing open standards, rather than repeating
25 information, only adding profile information as needed in order to achieve
26 interoperability for conforming implementations. The following open
27 standards will be referenced:
28

29 Boot:

30 DHCP (Dynamic Host Configuration Protocol, RFC 2131)
31 DHCP Options (RFC 2132)
32 DHCP Options for Service Location Protocol (RFC 2610)
33 DHCP Option for Name Service Search (RFC 2937)
34 Dynamic Configuration of IPv4 Link Local Addresses
35 - draft-ietf-zeroconf-ipv4-linklocal-00.txt
36

37 Registration:

38 LDAPv2 (Lightweight Directory Access Protocol v2, RFC 1777)
39 LDAPv3 (Lightweight Directory Access Protocol v3, RFC 2251)
40 LDAP Schema for Printer Services
41 - draft-ietf-ipp-ldap-printer-schema-03.txt
42

43 Discovery:

44 SLPv2 (Service Location Protocol v2, RFC 2608)
45 Definition of the Printer Abstract Service Type v2.0
46 - draft-ietf-svrloc-printer-scheme-06.txt
47 - also in permanent IANA Service Location Template Registry
48

49 Client Print Support File Down-Load:

50 RFC TBA - Internet Printing Protocol (IPP): Printer Installation Extension
51

52 Job Submission and Job Management:

53 RFC 2911 - IPP/1.1 Model and Semantics
54 RFC 2910 - IPP/1.1 Encoding and Transport
55 RFC TBA - IPP FAX
56 RFC 2707 Job Monitoring MIB - for job attributes
57

58 Document Formats:
59 PostScript
60 PCL
61 XHTML-Print
62 TIFF/FX
63
64 Event Notification:
65 RFC TBA - IPP Event Notification
66
67 Printer Management:
68 RFC 2911 - IPP/1.1 Model and Semantics
69 RFC 1759 - Printer MIB
70 RFC TBA - Printer MIB v2
71
72 A key part of the standard will be to define conformance, citing
73 combinations of the above.
74
75 Thanks,
76 Tom
77
78