

IPP Everywhere BOF

10 June 2010

Webster, NY - PWG F2F Meeting

Introduction



- IPP Everywhere is new work for the IPP WG
- Goal is “driverless printing” using a combination of existing open standards
 - Scan support is not being included in the first iteration
- Current overview slides:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/slides/ipp-everywhere-slides-20100524.pdf>
- Longer term this work will become part of the PWG semantic model (as needed) to facilitate use with other protocol mappings

Guidelines



- Not supporting every feature and capability of a printer with the standard is OK
- Focus on:
 - Print quality
 - User experience
 - Support for all kinds of printers
- Limit the number of optional items
 - Improves interoperability and consistency
 - Will make the standard simpler
- Support wired *and* wireless clients and printers

Guidelines



- As much as possible, base our work on existing standards, for example:
 - DNS-SD/Multicast DNS for network discovery
 - IPP/2.0 and HTTP/1.1 for network transport
 - JPEG, PDF, and CUPS Raster (or some variant) for print formats
- Provide easy extension support for extra features and capabilities
 - Allow vendors to work WITH the standard instead of around it!

Current Status



- PWG call for comments on the draft charter:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeverywhere-charter-20100417.pdf>
- Draft charter defines two documents:
 - IPP Everywhere requirements
 - IPP Everywhere specification
- Out of scope:
 - No new discovery protocols
 - No new management protocols
 - No new transport protocols
- 6 PWG members and 2 non-members reviewed with no comments
- 2 PWG members reviewed with comments

Comments



- Remove focus on Windows/Mac at beginning of Problem Statement (i.e., traditional desktop print environments) (Paul Tykodi, TCS)
 - DONE - deleted first 2 paragraphs of Problem Statement
- Emphasize that mobile clients are primary focus of IPP Everywhere (Paul Tykodi, TCS)
 - DONE - revised Problem Statement and Objectives

Comments



- Emphasize the value of generic print drivers for mobile clients (George Liu, Ricoh)
 - DONE - revised Problem Statement and Objectives
- Clarify that IPP Everywhere is an IPP WG project (Joe Murdock, Sharp)
 - DONE - revised/reordered title lines to clarify scope or project

Comments (con't)



- Clarify that IPP Everywhere is NOT the only PWG answer to printing in Cloud Computing environments (Joe Murdock, Sharp)
 - REJECTED - IPP Everywhere is targeted at mobile clients in *all* computing environments - current charter text intentionally avoids any mention of Cloud Computing
- Generalize and abstract work on IPP Everywhere project to avoid any dependency on a specific printing protocol (Joe Murdock, Sharp)
 - REJECTED - Current IPP Everywhere project is limited to a classic IPP/1.1 protocol extension (NOT abstract) and the existing OBJ-6 already encourages design to allow other future protocol bindings

Next Steps



- Create the last call version of charter:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/lcrc-ippeverywhere-charter-20100604-rev.pdf>
- Announce last call charter to PWG membership for a formal vote
 - Requires responses from at least 25% (7) of the PWG membership
 - Need 66% YES votes if there are no strong objections, 80% otherwise

Discussion
