

Use Case BOF Minutes

August 1, 2011

Meeting was called to order at approximately 1:30pm local August 1, 2011.

Attendees

Danny Brennan (call in)
Nancy Chen (Oki Data)
Tim McCann (Konica Minolta - call in)
Ira McDonald (High North/Samsung - call in)
Joe Murdock (Sharp)
Bruce Nordman (LBNL - call in)
Glen Petrie (Epson - call in)
Amir Shahindoust (Toshiba - call in)
Robert Shibata (Thinstream Technologies)
Brian Smithson (Ricoh - call in)
Michael Sweet (Apple)
Anil Thakkar (Thinstream Technologies)
Jerry Thrasher (Lexmark)
Paul Tykodi (TCS - call in)
Bill Wagner (TIC)
Rick Yardumian (Canon)
Pete Zehler (Xerox)

Discussion

1. PWG Common Use Cases

- <ftp://ftp.pwg.org/pub/pwg/general/wd/wd-commonusecase10-20110731-rev.pdf>
- Abstract: "for use in PWG", "This is a PWG Working Draft"...
- 3.1.4, 3.11.1: strangeness in table-of-contents
- 3.7: Job Control or Job Management instead of Device Control
- 3.8.6: Device Fault instead of Out of Paper?
- 3.8.7: Device Warning instead of Low Toner?
- Line 153: remove setup, administration and configuration, "THESE job-related use cases ...".
- Section 1: first paragraph talk about this being use cases for job-based services. Maybe a sentence about not handling admin/configuration and the subsections "and other job-related use cases".
- Logging - include in audit and accounting
- Line 217: Use "Precondition:" or have a numbered list instead of "Note:"
- Line 224: Include parenthetical examples for each, add "or per-service basis".
- 3.1.2: Include examples of names and addresses in second paragraph.
- 3.1.3: "Service" instead of "service", add example URI.
- Add "Job" to terminology.
- Define "Service" as a service that processes jobs.
- 3.1.4: Move first paragraph to end and format as precondition
- "Service" instead of "service" throughout.
- Add exception: Printer no longer visible after selection/etc.
- 3.1.5: Move first paragraph to end and format as preconditions
 - Break up multiple identities from multiple services
- Line 244: "to select one OF the Devices."
- Section 3.1: Add paragraph with examples of implementation options, mention exceptions as separate use cases to avoid complicating the use cases with multiple outcomes, include authentication/access control.
- Discussion: verification of connectivity/visibility at selection:
 - Not in selection use cases, but implied by print/scan/fax use cases.
 - Loss of connectivity is an exception.
 - Some selection methods (e.g. discovery) communicate with the device out-of-band (so already some verification of connectivity there)
- 3.x.y: Move preconditions to end and format accordingly
- 3.1.6: "and both support the same Discovery Protocol(s)"

- "Visible Devices" - make sure we have a specific definition of this
 - Discovery Protocol: Usually connectionless (vs. connection-based for directory service)
 - 3.1.x: Add "Devices that provide the desired type of Service"
 - 3.1.6: The Client initiates discovery ON BEHALF OF THE USER and maintains A DYNAMIC list. "and the Client terminates discovery."
 - 3.1.7: Select Device Using Geo-Location (drop all of the network topology stuff)
 - 3.1.8: Select Device Using Out-of-Band Method
 - Line 257: misspelled protocols
 - Global: Capitalize Discovery throughout
 - 3.1.7: preconditions for Client and Device having geo-location
 - 3.1.9: Select Device Using Properties (instead of Criteria)
 - Replace usage of "criteria" with "properties"
 - Access Control use cases:
 - Preauthorization
 - Postauthorization
 - Authentication
 - 3.1.9: Rework, "Service protocol" instead of "protocol"
 - A User selects a Device using Service, capability, or description properties of the Device. Service properties include the application protocol, security, or restrictions such as the maximum number of pages allowed in a job. Capability properties include values such as media, duplex, finishing, color support, and so forth.
 - Don't talk about job ticket, since none exists yet. Instead focus on the properties themselves.
 - 3.2: "use case for Devices" (drop Printer)
 - 279/280: "begin by selecting a Device (section 3.1)."
 - 281: "must be Visible to the Client IN ORDER to be selected"
 - Need Exception use case for "Not Accepting Jobs"
 - 289 (and elsewhere) " The Client queries the Device for capabilities, DESCRIPTION, and status."
 - 3.2.1, 3.2.2:
 - Generalize as any client printing
 - "The Client queries the Device for capabilities, description, and status. The User specifies the processing intent and confirms the print action."
 - New Print Use Cases
 - Use case for Client-supplied Job Ticket (photo printing, whatever)
 - Global goal/update:
 - Avoid use of Client User Interface unless it drives design requirements.
 - Simplify dialog to focus on Client, User, and Device
 - Move "Finally, the User collects the printout from the Device." to 3.2 as something that usually occurs, then document the differences.
 - 381: "media LOADED on the Selected Device"
 - Exception Use Case:
 - Missing media
 - 3.2.3: Rename "Print Using Loaded Media"
 - Focus on Device can report loaded media
 - Precondition for media sensing or identification
 - Include example - photo on borderless photo media
 - Stopped at 3.2.3.
2. Next Steps:
- Do we want to do another Use Case BOF?
 - Not immediately
 - Table the current draft
 - Focus on SM Print Ticket and PPD/XPS Mapping Document
 - Import current use cases into IPP Everywhere First Edition/JPS3 as needed

Next Steps / Open Actions

- Get SM Print Ticket and Mapping documents ready
- Import current use cases into IPP Everywhere First Edition and JPS3 as needed