

Official IPP Bake-Off 2 Test List

V2.0

Last updated 2/19/99 by Peter Zehler

1. Basic Connectivity/Print(All participants)
Insure all IPP participants are up and connected. Determine supporters of Set1 operations. Record interoperability of simple print submission.
 - A) Complete table 4.1
 - B) Perform section 2.1.3 and complete table 4.2.3
 - C) Perform section 2.3 and complete table 4.4 or equivalent matrix
2. Chunking (Participants: chunking client/all printers, chunking printers/all clients)
Test the ability of IPP Printers to accept a chunked IPP request and IPP Client to accept chunked responses.
 - A) Perform section 3.3 and complete table 4.15
3. Security (Participants that support Basic, Digest or SSL3 security)
Test the ability of IPP Clients and Printers to interoperate while various security schemes are in effect. The security schemes can be Basic, Digest, SSL3, or TLS. We will test only the ability of the Client and Printer to complete an operation such as print-job or get-printer-attributes. We will not be testing the interactions of an authenticated user and his capabilities in the IPP model.(e.g. one user being able to cancel another user's job)
 - A) Perform any of the subsections of section 3.1 that apply and record results in a table similar to the one in section 4.13
4. NLO (all implementations)
Test natural language override conformance(NOTE: Xerox will re-release test tool and scripts (B&D) for this test)
5. IPP Scheme - (implementations that support the "ipp://" scheme)
NOTE: The IPP chair has stated that this test should not be part the IPP 1.0 Bake-Off. The IPP chair will issue an email stating his position. We will visit this again at the Bake-Off on 3/9.
Test interoperability of Clients and Printers that support the IPP scheme. (Note: this test may also be performed with a proxy between the Client and Printer)
 - A) Perform section 3.10 and complete table 4.19 or equivalent matrix
6. Create Job/Send Document (implementations that support the operations)
Test the interoperability of the create-job/send-document operations in various implementations.
 - A) Perform section 3.8 and record the results in section 4.17.
7. Print by Reference (implementations that support the operations)
Test the interoperability of the create-job/send-uri and print-uri operations in various implementations.
 - A) Perform section 3.9 and record the results in section 4.18. (See note on timeout and multiple-document jobs)
8. Charset - (All implementations)
Test charsets other than UTF-8.
 - A) Perform section 3.6

NOTE: Discussion of capability, priority and method will occur at the Bake-Off.

9. Set One operations (implementations that support these operations)
Test the hold-job, release-job, pause-printer, resume-printer and purge-printer more rigorously than during the first Bake-Off.
Section 3.11 has some steps that may be performed.
10. HTTP Version - (implementations that support HTTP 1.0 and 1.1)
Test the interoperability of IPP requests/responses over HTTP 1.0.
A) Perform section 3.4 and record in section 4.16. (Proxy tests will indicate if HTTP versioning is related to testing IPP through a proxy)
11. Doc Format Colored Attributes (printers that support)
Test the printer's capability to return attribute values based on the document format specified in the IPP request.
A) Perform section 3.2 and complete table 4.14
12. Language (All implementations)
Test multiple languages.
A) Perform section 3.7

The following items have been mentioned but are not on our list. These will be discussed during the brainstorm session on March 9th.

- 1) Test IPP through a proxy
- 2) IPP vs lpr print speed
- 3) Quality of output (especially TIFF images)
- 4) Linking job-state to actual paper output complete
- 5) Effect of compression (sending job with unsupported compression)
- 6) Effect of hold-job-until (sending job with unsupported hold-job-until or value)