IPP Fax Project

IPP Fax transport requirements

Revision	Date	Author	Notes
1	10/16/2000	Paul Moore, Peerless Systems Networking	Initial
3	7/15/2003	Gail Songer, Peerless	Clean-up. Modify "Public Access" and "Basic Requirements"
4	7/23/2003	Gail Songer, Peerless	Clean-up. Remove references to IPPGet and PDF/is and replaced with generic statements. Remove section on Gateways.

This document captures the requirements for the transport component of IPP Fax. This document assumes that the reader is familiar with IPP 1.1.

Glossary

Sender – A piece of hardware and / or software that sends IPP fax documents to an IPP Fax receiver

Receiver – A piece of hardware and / or software that receives IPP Fax traffic.

Sending user – The human that initiates the transmission of an IPP Fax

Receiving user – The intended human recipient of an IPP Fax

Public access

An administrator of a IPP Fax Receiver needs to be able to make it publicly available on the Internet (or an intranet) but also needs to be informed of the identity of the sending user and equipment.

Basic requirements

- Synchronous and timely delivery to the Receiver
- Uses Internet suit protocols
- Can be private – encryption must be supported
- Can be reliable – data integrity and server authentication must be supported

Basic rules

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- A receiver is specified by an ippfax: URL
- Data privacy must be supported by the Receiver.
- The receiver must supply strong authentication
- The sender may supply strong authentication; the receiver may require strong authentication of the sender.

IPP extensions

- A sender must identify a job as being an IPP Fax Job.
- Anonymous access is allowed but the Receiver may be administratively

configured to disallow anonymous access.
- A sender may indicate a notification URI.

Identity exchange

- Senders and receiver have a unique 'identity'.
- A Sender must be able to discover the Receiver's identity.
- The Receiver must be able to discover the identity of the Sender.
- Sending and receiving users have structured descriptions – their identity. This data is machine-readable. It contains name, email, mail, phone, etc.
- The receiver must be able to discover the sending user's identity
- The sender should specify the receiving users identity.

IPP restrictions

- An IPP Fax Receiver should not allow anonymous users to access job information
- An IPP Fax Receiver should not allow an anonymous user to cancel or modify jobs.
- An IPP Fax Receiver should only allow authenticated operator or administrator to cancel jobs.
- An IPP Fax Receiver should not allow any user to modify jobs.

Notifications

- An IPP Fax receiver must support notifications for authenticated senders.

Logging

- A sender must log its IPP fax transactions
- A receiver must log its IPP Fax transactions
- A receiver must mark the sender identity on at least the first page of an IPP Fax document

Document format

- A receiver must support at least one IPPFax required document format.