Internet Printing Protocol
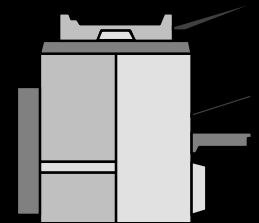
Introduction

Objectives ...

► Educate you on IPP

    ► What problems we are trying to solve

    ► What value IPP brings to the customer

    ► Why we chose the directions that we did

    ► Brief overview of the model and protocol

► Show you that the standard is real

► Show you that the standard has wide industry support

Groundrules ...

We are the "technicians" who have been working on the IPP standard. We are not here to make any product announcements, nor to discuss specific product plans for IPP.

... Please do not ask us to comment on such plans.

Who are we ...

The Printer Working Group (or PWG) is an unincorporated alliance among printer manufacturers, print server developers, operating system providers and print management application developers chartered to make printers and the applications and operating systems supporting them work together better. The group has developed the Printer MIB (available from the IETF as RFC1759) and is currently developing:

The Job Monitoring MIB Project (JMP)
The Simple Event Notification Service Environment (SENSE)
Internet Printing Project (IPP)
1394 Print Project

Present Today are ...

Major contributors to the IPP Standard

- ► Don Wright (Lexmark) - PWG Chair and editor of the Requirements Document
- ► Carl-Uno Manros (Xerox) - IPP Co-chair
- ► Steve Zilles (Adobe) - IPP Co-chair and author of the Rationale Document

- ► Roger deBry (IBM) - Editor of the Security Document
- ► Robert Herriot (Sun) - Editor of the Protocol Document and author of the LPD Mapping Document
- ► Scott Isaacson (Novell) - Editor of the Model Document
- ► Paul Moore (Microsoft) - Co-author of the Protocol Document

- ► Tim Campbell (HP)
- ► Jay Martin (Underscore)

Other Participants include ...

- Allegro Software
- Apple
- Brother
- Canon Information Systems
- Cognisys
- Data Products
- Dazel
- Digital
- Digital Products
- Epson
- Hewlett-Packard
- Intel
- Interworking Labs
- Kyocera

- NetScape
- Northlake Software
- Osicom
- Panasonic
- QMS
- Ricoh
- SDSU
- Sharp
- Tektronix
- TrueSpectra
- Underscore
- Unisys
- Vivid Image
- Zenographics

The Problems

- ► Network printing an evolutionary process
  - ► Direct client attached printers
  - ► Server attached printers
  - ► Network attached printers

- ► Many protocols - platform dependent
  - ► IPX/SPX
  - ► Netbeui
  - ► Appletalk
  - ► TCP/IP
  - ► etc

- ► Little interoperability
- ► System maintenance is complex

How is it attached?
What Protocol?
What PDL?
Where's the driver?
Can I print on it?
What features does it have?
???

History ...

▶ IBM and Novell/Xerox proposals at PWG meeting in October of 1996 result in a PWG agreement to pursue a standard

▶ Birds of a feather session at December 1996 IETF meeting results in IETF go ahead for an IPP working group charter

▶ IPP working group chartered by the IETF in March of 1997 and the first Internet-Drafts are published

▶ Microsoft and Hewlett-Packard issue Internet-Draft on Simple Web Printing, a proposed IPP Implementation in May of 1997

▶ IETF review of current IPP issues at August meeting, results in an agreement to do a last call and submit to the IESG in September 1997

Now you will hear ...

- ► Don Wright - discuss the customer requirements for IPP and the customer value we think the standard delivers

- ► Scott Isaacson - present an overview of the IPP standard

- ► After which we will entertain your questions.