



*Internet Printing Protocol  
(IPP) WG in IETF 48*

August 1, 2000

Carl-Uno Manros

# *Agenda*

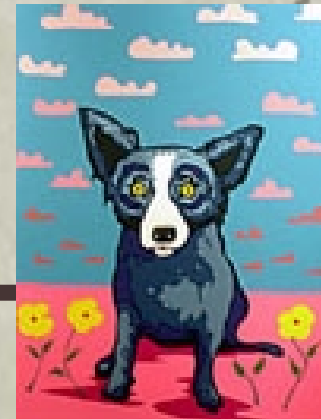
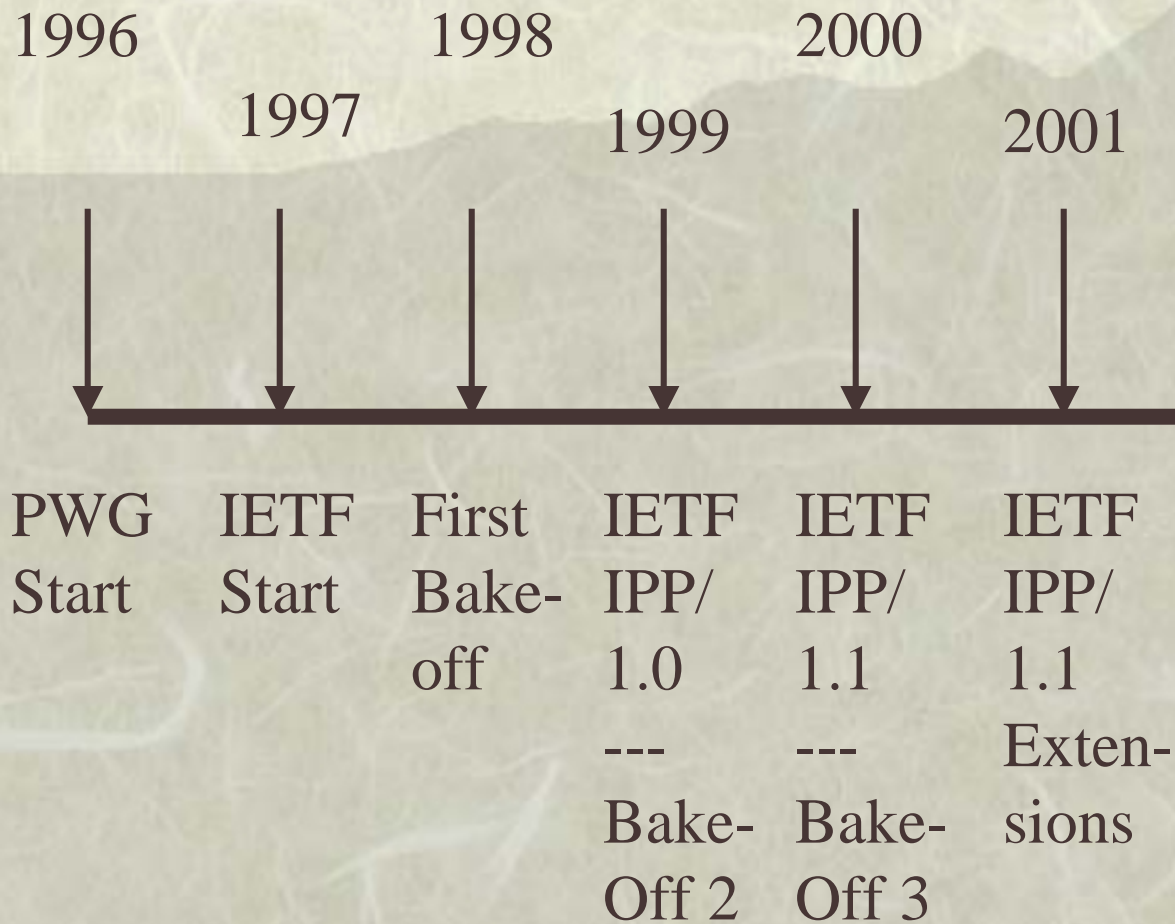
- ❖ Overview of finished work since the previous IETF meeting
- ❖ Status of finished and remaining work on IPP Notifications
- ❖ Status of finished and remaining work on Additional Operations

## *Agenda (cont)*

- ❖ Status of the IPP/1.1 Implementer's Guide
- ❖ Directory Support for IPP
- ❖ Summary of remaining work for the IPP WG
- ❖ Other IPP related activities



# *IPP Project Time Line*



## *Finished Internet-Drafts*

- ❖ IPP/1.1: Model and Semantics **RFC soon**
- ❖ IPP/1.1: Encoding and Transport **RFC soon**
- ❖ IPP/1.1: Implementers Guide (not std) **Inf**
- ❖ IPP: Job and Printer Set Operations **Prop**
- ❖ IPP: The 'collection' attribute syntax **Prop**

# *Internet-Drafts - Notifications*

- ❖ Requirements for IPP Notifications (WG LC)
  - <draft-ietf-ipp-not-04.tx>
- ❖ Event Notification Specification (WG LC)
  - <draft-ietf-ipp-not-spec-04.txt>
- ❖ Job Progress Attributes (WG LC)
  - <draft-ietf-ipp-job-prog-00.txt>

# *Internet-Drafts - Notifications*

- ❖ The 'mailto' Notification Delivery Method (WG LC)
  - <draft-ietf-ipp-notify-mailto-02.txt>
- ❖ The INDP Notification Delivery Method and Protocol/1.0 (WG LC)
  - <draft-ietf-ipp-indp-method-02.txt>
- ❖ The 'ipp-get' Delivery Method
  - <draft-ietf-ipp-notify-poll-01.txt>
- ❖ Notifications over SNMP
  - <draft-ietf-ipp-not-over-snmp-03.txt>



# *Internet-Drafts – Other*



- ❖ Job and Printer Administrative Operations
  - <draft-ietf-ipp-ops-set2-01.txt>
- ❖ Printer Installation Extension
  - <draft-ietf-ipp-install-00.txt>
- ❖ Resource Objects and Get Resource Operations
  - <draft-ietf-ipp-get-resource-00.txt>
- ❖ LDAP Schema for Printer Services (WG LC)
  - <draft-ietf-ipp-ldap-printer-schema-02.txt>



## *What's next in 2000?*

- ❖ IPP Notification drafts should be stable
  - Two delivery methods still unfinished
- ❖ IPP Admin Operations drafts should be stable
  - Device operations still missing
- ❖ IPP Printer Installation draft should be stable
  - High priority in IPP WG
  - Needs further work and review

# *QUALDOCS*

- ❖ Internet Fax Formats over IPP
- ❖ Earlier proposed as WG in the IETF
- ❖ The Printer Working Group (PWG) will take over the project
- ❖ First meeting in Chicago on September 15
- ❖ USA and Japan interests
- ❖ IEEE-ISTO Standard



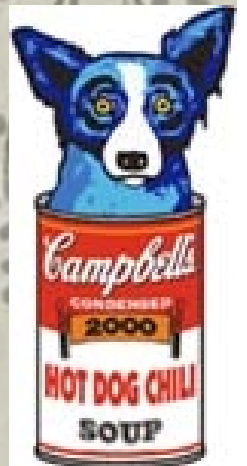
## *3<sup>rd</sup> IPP bake-off*

- ❖ 3<sup>rd</sup> bake-off will be held in New England October 16-20
- ❖ Organized by the PWG, hosted by Xionics
- ❖ 25+ companies expected to participate
- ❖ IPP/1.1 features, security, firewalls, notifications, admin ops?



# *IPP and Linux*

- ❖ VA Linux and HP initiative
- ❖ Print Summit meeting in Sunnyvale last week
- ❖ CUPS and LPRNG projects already provide open source for IPP
- ❖ New project will aim to integrate various Linux components for printing
  - Application interface
  - Print driver interface



*Where to find out more about IPP*



[www.pwg.org/ipp](http://www.pwg.org/ipp)

**IPP**  
**is all dressed**  
**up and ready**  
**to go!**

