

Status Monitoring & Objectives

■ Status Monitoring API is:

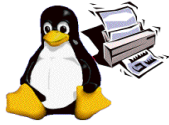
- ✗ A neutral interface for acquiring static and real-time printer status

■ Status Monitoring API contains:

- ✗ Commands to open/close a status monitoring channel.
- ✗ Commands to translate device-dependent status data to generic format data.
- ✗ Commands to handle events from a printer.

■ Objectives

- ✗ To isolate software elements from differences due to device-dependent printer status format



Status Monitoring API

■ Channel Control

✕ New

- ◆ Create an object, and open a status monitoring channel via PCM.

✕ Destroy

- ◆ Close the status monitoring channel, and destroy the object.

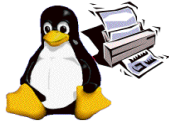
■ Obtaining Status

✕ ReadStatus

- ◆ Read a printer status data via PCM, translate it to a generic format data, and store it into the buffer given by the caller.

■ Event Handling

✕ TBD

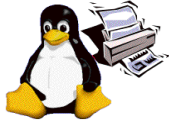


Status Monitoring API – Details (1)

■ Detail of API

✕ TBD

- ◆ We've decided that the bi-directional printer communication interface should be divided into two groups, PCM for wrapping low level I/O dependencies, and SM for wrapping status data format dependencies.
- ◆ Status Monitoring API depends on the PCM API specification.
- ◆ We will re-start our discussion after the first draft of PCM API finished and authorized in OpenPrinting WG.
- ◆ We will consider that Status Monitoring API should be consistent with the existing printing system, such as CUPS, LP, etc.



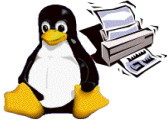
- Discussion about SMAPI
 - 2003/9 First pre-draft of the SMAPI specifications.
 - 2004/3 Open the draft to working group.
 - 2004/6 Divide bi-di functions into two groups, PCMAPI and SMAPI.

- Discussion about SMAPI
 - ✗ Printing-Japan ML
 - ✗ 2003 - 2004 Face to Face meeting – Monthly
 - ✗ 2005/1Q Focused on the PCM activity.

- Milestone
 - ✗ 2006/1Q PCM First draft and review

- To-Do
 - ✗ Define APIs in detail
 - ✗ Consider the event handling

SM Working Group Information



- To subscribe to FSG SM mailing list:
✗ <http://freestandards.org/mailman/listinfo/printing-japan>
- To post a message to FSG SM mailing list
✗ printing-japan@freestandards.org
- To view FSG SM mailing list archives
✗ <http://freestandards.org/mailman/listinfo/printing-japan>
- To find FSG SM documents
✗ <http://www.papadon.jp/OpenPrinting/StatusMonitoringAPI/> (to be re-written)
- Participants
 - ✗ Toratani Yasumasa Canon Inc.
 - ✗ Osamu Mihara FUJI XEROX Printing Systems Co. Ltd.
 - ✗ Ide Kentaro SEIKO EPSON CORPORATION
 - ✗ Shinpei Kitayama EPSON Avasys CORPORATION
 - ✗ Yamagishi Toshihiro Turbolinux, Inc.
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