

## CWMP Conference Call Minutes

April 13, 2012

### Attendees

Nancy Chen,	Oki Data
Laxman J. Bhat,	Celstream
Ira McDonald,	Samsung
Glen Petrie,	Epson
Anil Thakkar,	Thinxtream

### Status/Action Item Review

1. Thinxtream/Celstream has demonstrated their CWMP proxy and set/get printer attributes via SNMP from printers, and added get printer attributes via IPP/1.1.
2. Nancy and Ira to work on CWMP BOF slide for April face-to-face meeting to reflect Thinxtream/Celstream's demos done for the CWMP proxy that supports SNMP and IPP protocol for "get-printer-attributes".

### Discussions

1. Thinxtream/Celstream could only get printer attributes from IPP printers so far.
  - Most of IPP implementations do not support set printer attributes operation for settable attributes (e.g. printer description, XXX-supported attributes).
2. Are job default attributes in IPP also applicable to other protocols?
  - Get-jobs in IPP in some implementations see all jobs in all service instances. Some let you see jobs from specific WS-Print or other channels.
  - Job Monitor MIB does see all jobs in all protocols from the Channel table.
  - Security is the rationale that IPP only supports getting jobs in one service instance – security policy in difference service instances may prevent access to jobs.
  - Semantic Model is the same – one instance speaks only one protocol. IPP or Semantic Model does not support get-jobs for all protocol channels.
  - Possible consideration for the future –
    - Provide system level administrator-only get-jobs operation that allows get job information from jobs of all instances of different service types depending on service level agreement. (A user level operation will not be allowed to see jobs owned by others – for security reason).
    - But at system level, "set" operation should not be allowed for setting job or service peoperties.

- Reading of job/service properties can be done by querying each service of a particular type (print/scan/...)
- This is a good topic to bring up when IPP is adding multifunction capability later this year – a good use case to consider adding a new System Control operation for an administrator/operator to see all the jobs flowing through the system: all jobs, or all scan jobs, ... for CWMP or MPS.

### Review of Thinstream Slides

#### 1. Slide#2

- Bullet #1: “This is a technology implementation and only selected IPP attributes mapped to CWMP Data Model are implemented.”
- Bullet #2: “IPP capable local and remote printers will be used...”
- Bullet #3: “... the Thinstream DeviceMaestro...”

#### 2. Slide#3

- Sub-bullet #1: “...to/from...(implemented in...the DeviceMaestro)”
- Sub-bullet #2: “Communication through a proxy to printers”
- Sub-bullet #3: “Communication directly with an embedded TR-069 client emulator”

#### 3. Slide#4

- Write out AWS: “on Amazon Web Server in the cloud”

#### 4. Slide#5

“...PrintServiceCounters.MediaUsed.MediaUsed.{i}.MediaUsedTotalSheets”

- This is the page count for a specific print service instance, not the “general page count” for all print services.
- Leave this in red and discuss in face-to-face meeting.
- Recommend to read “printer status” from IPP

#### 5. Slide#6

- Highlighted are IPP properties that are mapped.

### Next Steps and Action Items

- Ira to update CWMP white paper to show more IPP-SM attribute mapping.
- Nancy and Ira to update CWMP BOF slides –focus on demo, include IPP-SM attribute mapping as backup.
- Anil to provide slide original for the update of face-to-face meeting slides
- Next meeting: April face-to-face meeting.