# **Information about Printers**

We attempt to record only actual hardware printers.

We try to filter out such things as "PDF Printers", "XPS Document Writers", etc, etc (these may be stored in the software table at a later stage).

### **Network Printers**

If a printer has an IP address, it is a network printer.

#### **Local Printers**

If a printer does not have an IP address, it is a local printer.

If we have a local printer, the PHP processing associates it in the system table with the system\_id of the computer. This is stored in the 'linked\_sys' column.

## The system key

All devices should have a unique "system\_key" field in the system table. For printers, this is calculated such:

If the printer has an IP Address (and is therefore a network printer), an attempt to determine the FQDN is used, if this fails the IP address is used. This is the same as other network devices (think switches, routers, etc).

If printer does not have an IP address, it uses the hostname of the attached computer, concatenated with the DeviceID (taken from the attached computer).

The DeviceID has spaces replaced with underscores. The two fields are joined with an underscore.

#### Printers are stored in the system table with the following attributes:

- system\_id auto assigned (incrementing).
- system\_key as above.
- uuid the printer device\_id (assuming printer is submitted via an audited computer).
- · hostname the printer network hostname (if it has one).
- · description the printer description (assuming printer is submitted via an audited computer).
- type set to Printer.
- icon set to printer.
- linked\_sys if it's a local printer, the system\_id of the attached computer is used.
- serial the printer serial (assuming printer is submitted via an audited computer).
- model the printer model (assuming printer is submitted via an audited computer).
- manufacturer the printer manufacturer, edited in the audit script (assuming printer is submitted via an audited computer).
- printer\_port\_name assuming printer is submitted via an audited computer.
- printer\_shared assuming printer is submitted via an audited computer.
- printer\_shared\_name assuming printer is submitted via an audited computer.
- man\_status if it's a new printer, this is initially set to the normal (non "man\_") value.
- man\_environment set to production by default.
- man\_description if it's a new printer, this is initially set to the normal (non "man\_") value.
- man\_type if it's a new printer, this is initially set to the normal (non "man\_") value.
- man\_ip\_address the printers IP Address (if it has one).
- man\_model if it's a new printer, this is initially set to the normal (non "man\_") value.
- man\_manufacturer if it's a new printer, this is initially set to the normal (non "man\_") value.
- man\_owner not automatically populated. Can be set via web interface or bulk upload.
- man\_org\_id not automatically populated. Can be set via web interface or bulk upload.
- man\_location\_id not automatically populated. Can be set via web interface or bulk upload.
- man\_location\_level not automatically populated. Can be set via web interface or bulk upload.
  man\_location\_suite not automatically populated. Can be set via web interface or bulk upload.
- man\_location\_room not automatically populated. Can be set via web interface or bulk upload.
- man\_serial if it's a new printer, this is initially set to the normal (non "man\_") value.
- man\_asset\_number not automatically populated. Can be set via web interface or bulk upload.
- man\_switch\_id not automatically populated. Can be set via web interface or bulk upload.
- man\_switch\_port not automatically populated. Can be set via web interface or bulk upload.
- man\_ethernet\_socket not automatically populated. Can be set via web interface or bulk upload.
- man\_wall\_port not automatically populated. Can be set via web interface or bulk upload.
- man\_picture not automatically populated. Can be set via web interface or bulk upload.