

Mercury: Fleet- & Servicemanagement

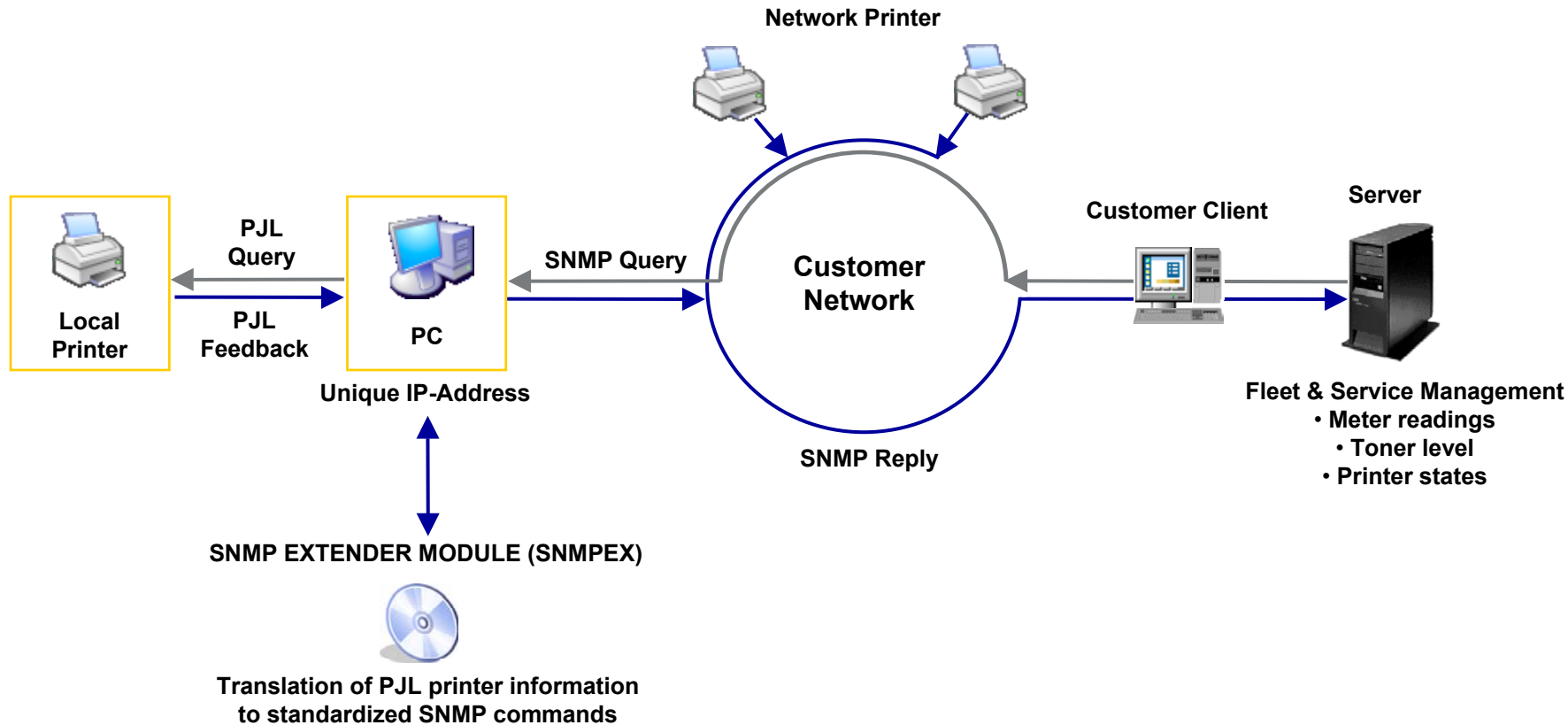
SNMP EXTENDER for local attached printing systems (SNMPEX)



Monitoring of local attached printing systems via PJL and SNMP

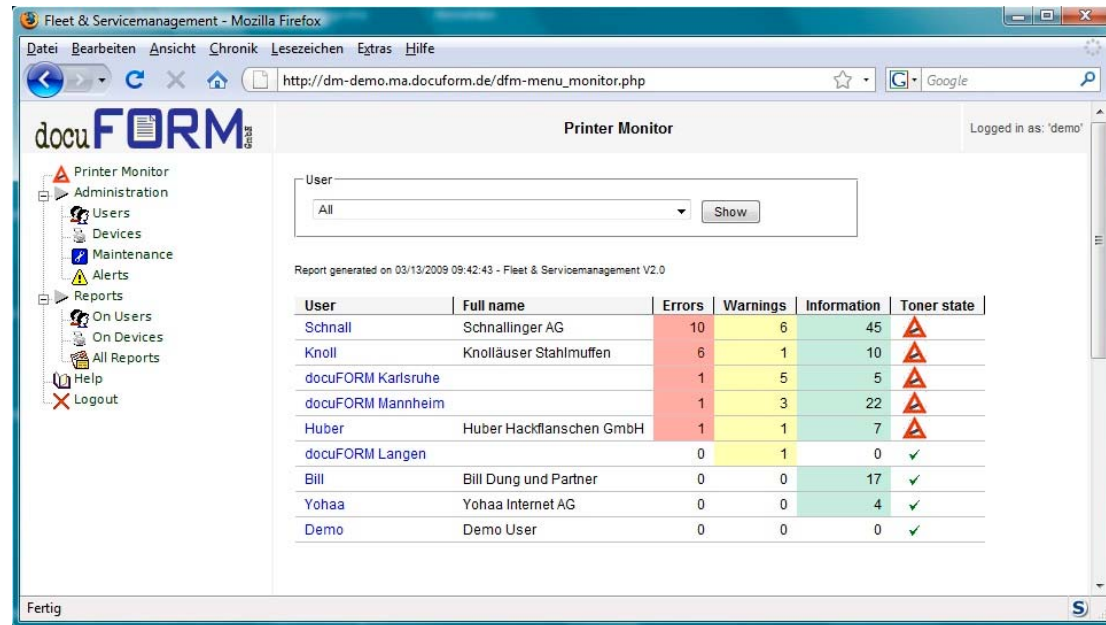
- Printing systems are locally attached to the PC via USB or Centronix.
- SNMP EXTENDER MODULE (SNMPEX) is remotely installed on the local PC.
- „SNMPEX“ modules communicate via PJL with the local printing system.
- Depending on the printer functionality, information about meter readings are transferred to the PC via the „SNMPEX“ module.
- The „SNMPEX“ module translates the received PJL printer information to standardized SNMP messages.
- Mercury Fleet & Service Management recognizes via SNMP communication also the IP address of the local PC, as well as all data from the local printer, analogue to the communication with network printing systems.

Schematic communication over PJP/SNMP with local printing systems



Remote monitoring of all printer states for customer networks

- All printer states or SNMP messages can be sent via e-mail, depending on the classification of escalation.
- With the customer monitoring, the user can see an overview of all SNMP error states remote from his work desk.
- Critical error messages are directly forwarded via e-mail to the service point.
- All information is additionally stored within the printer history.



User	Full name	Errors	Warnings	Information	Toner state
Schnall	Schnallinger AG	10	6	45	⚠
Knoll	Knolläuser Stahlmuffen	6	1	10	⚠
docuFORM Karlsruhe		1	5	5	⚠
docuFORM Mannheim		1	3	22	⚠
Huber	Huber Hackflanschen GmbH	1	1	7	⚠
docuFORM Langen		0	1	0	✓
Bill	Bill Dung und Partner	0	0	17	✓
Yohaa	Yohaa Internet AG	0	0	4	✓
Demo	Demo User	0	0	0	✓

Branch from the customer monitor into the SNMP printer overview

The screenshot shows the docuFORM Printer Monitor interface in Mozilla Firefox. The main window displays a global overview for 'Schnallinger AG' with 10 errors. A branch window shows the SNMP printer overview for 'HP LaserJet 400' (IP: 172.16.1.100, S/N: NLEV110586, I/N: Model). A third window shows the printer's event history.

Printer Monitor docuFORM Karlsruhe
Report generated on 03/12/2009 03:42:29 - Fleet & Servicemanagement V2.0

IP Address: 172.16.1.100 S/N: NLEV110586 I/N: Model: HP LaserJet 400

Event	Severity	Raised	Page Counter
TONER FAST LEER	Warning	02/13/2009 09:13:00	80,720
FACH 2 LEER; TONER FAST LEER	Warning	02/06/2009 12:29:00	80,685
Papier nachfüllen	General	02/10/2009 11:29:00	80,703
Papier nachfüllen	General	02/06/2009 12:29:00	80,685

Printer Monitor docuFORM
Report generated on 03/11/2009 03:21:09 - Fleet & Servicemanagement V2.0

IP Address	SN	I/N	Model	Vendor	Errors	Warnings	Information	Toner state
172.20.32.195	P6020501749		NRG DSc38	Ricoh	1	0	2	✓
172.16.3.108			HP Color LaserJet 8500	HP	1	0	0	✓
172.16.1.100	NLEV110586		HP LaserJet 4000 Series	HP	0	2	2	✓
172.16.1.105	WNP130545		Xerox Phaser 6350DP;PS3.11.0,Net24.22.04.20,Eng3.1.0,OS5.74	Xerox	0	1	0	⚠
172.20.32.67	5BFY4003853K		C5540	Okidata	0	0	0	⚠
172.20.32.101	3510538926		Xerox DocuPrint N2125 Network Laser Printer - 2.12-51	Xerox	0	0	13	⚠
172.20.32.100	3510317334		Xerox DocuPrint N2125 Network Laser Printer - 2.12-53	Xerox	0	0	3	✓
172.16.3.100	XXXXXXXXXX		HP LaserJet 8000 Series	HP	0	0	2	✓
172.20.32.110	PNE7804791		CD 1230_DC 2230	Kyocera	0	0	2	✓
172.20.11.83	7905R7R		Lexmark T640 7905R7R LS.ST.P119	Lexmark	0	0	1	✓
172.20.32.52	79212K2		Lexmark T644 79212K2 LS.ST.P239	Lexmark	0	0	1	✓
172.16.2.100			Xerox DocuPrint N32 Network Laser Printer - 1.87-25	Xerox	0	0	0	✓
172.20.11.140			IBM InfoPrint 40 2.55F	IBM	0	0	0	✓
172.20.11.99				HP	0	0	0	✓
172.20.32.177			Xerox DocuColor XP12		0	0	0	✓
172.20.32.96			Xerox DocuPrint N32 Network Laser Printer - 1.87-25	Xerox	0	0	0	✓
172.22.0.222	3510316311		Xerox DocuPrint N2125 Network Laser Printer - 2.12-50	Xerox	0	0	0	✓

- From the global customer monitor, a branch into the SNMP printer overview of the particular customer and into the printer's history can be opened.