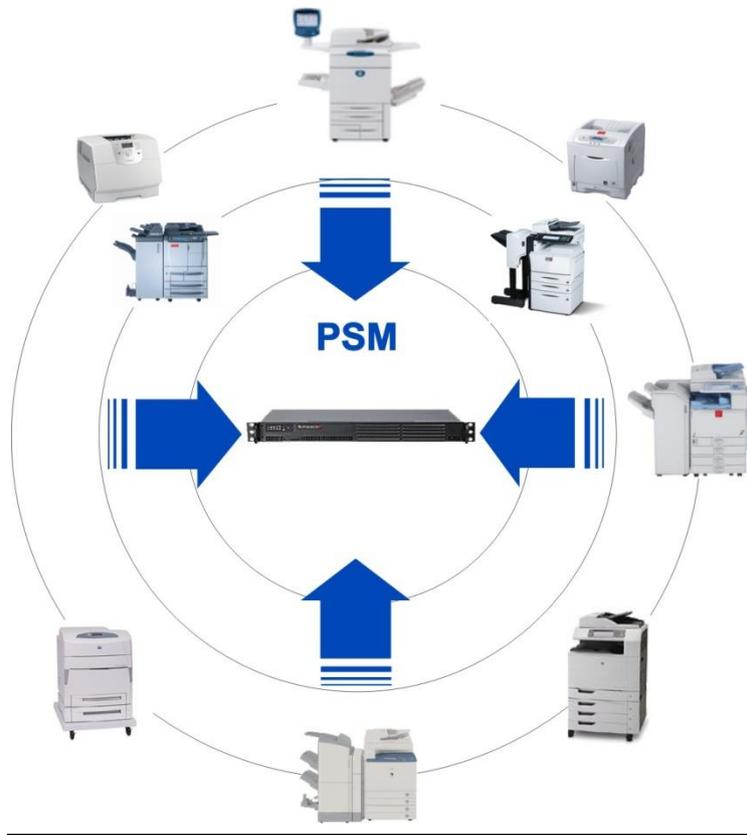


SysPrint AG



PSM Quick Installation Instructions (Version 6)

- 1. Basic Setup**
 - a. Network Parameter (Linux based PSM only)
 - b. Email Setup
- 2. Group- and Alert Setup**
- 3. Scheduler Setup**
- 4. Add Printers**



1. Basic Setup

1.a Network Parameter Setup (Linux based PSM only)

All PSM Models will use DHCP to get the IP address. To find out the current IP address, use the VMWare console or connect a monitor, if you are using a hardware based model.

Changing the Network Setup

```
Current Network Settings:
=====
Current IP Address : 192.168.200.27
Subnet Mask       : 255.255.255.0
Default Gateway   : 192.168.200.11

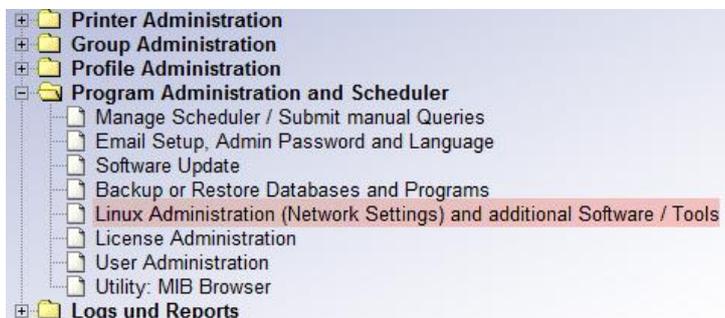
The following command are valid (Examples):
-----
ip 192.168.200.199 - to change the IP Address to 192.168.200.199
sm 255.255.255.0  - to change the Subnet Mask to 255.255.255.0
gw 192.168.200.11 - to change the default gateway to 192.168.200.11
shutdown          - to shutdown the system
reboot           - to reboot the system

NOTE:
All changes made here are temporary! Connect to http://192.168.200.27 ,login
and change the IP Address permanently over the Administration Menu.
```

Permanent settings can be changed over the webbrowser only. If you need to change the address temporarily (for example, if you got not DHCP Server), you can do this over the console.

For hardware based models, connect a console and a keyboard to PSM. For VMWare based models, simply use the VMWare console.

Follow the instructions on the screen to temporary change the TCP/IP setup. After you got a valid IP address, use the browser to continue the setup..



Once you are able to connect to PSM with your Webbrowser, you can setup the IP Address permanently.

Login using the Userid: admin and Password: psm

From the Program Administration Menu, select Network Setup.

Interface: 00:0c:29:ec:e7:52	Permanent Settings	Current Settings
Default IP Address	192.168.200.199	192.168.200.217
Subnet Mask	255.255.255.0	255.255.255.0
Default IP Gateway/Router	192.168.200.11	192.168.200.11
Domain Name Configuration		
Host Name for this Device	psmlite	
Local Domain Name	sysprint.local	
IP Address of DNS Server 1	192.168.200.21	
IP Address of DNS Server 2	192.168.200.22	
Date and Time		
Time Server		
Date (DD-MM-YYYY)	09-12-2010	
Time (HH:MM)	15:28	

Buttons: Back, Reboot, Shutdown

Please enter the IP Address Parameters, Host Name, Domain Name and DNS Addresses valid for your Network.

Alternatively you can also enter "dhcp" in the IP Address Field. In this case you will need to find out the DHCP Address provided by consulting your DHCP Server for the MAC Address shown.

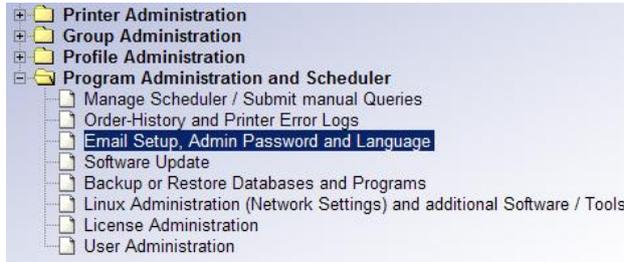
Click on "Save and apply" to activate the changes. Please note that it can take a minute or two until the changes are active.

After the the IP Setup is complete we also recomend to setup a Time Server to ensure correct Time Synchronization



1.b Email Parameter Setup

To change the basic Email Parameter Settings, choose



Direct sending (All PSM Models)

All PSM Models can send Email directly to your Internal Email Server, or to the Email Server located at your Internet Service Provider (If PSM is allowed to connect to the Internet without a Proxy). This works similar to Microsoft Outlook, and it allows you to enter Credentials like Userid and Password, to authenticate at the Server.

Email Server	mail.sysprint.ch
Email Sender (from) Address	sender@yourcompany.com
Email Userid	ron.todd@yourcompany.com
Email Password	*****
Email Recipient(s) for Statistics	stats@sysprint.ch
Email Recipient(s) for Printer Errors	
Email Recipient(s) for Orders	

In any case, you should enter the Email Sender Address PSM should use to send Emails, and at least an Email Address for the General Recipient.

Test Email Setup

Email Recipient(s) for Orders	
Email Subject for Orders	Verbrauchsmaterial Bestellung
Email Footer for Orders	
General Email Recipient(s)	orderdesk@yourcompany.com
<input type="button" value="Test Email Setup"/>	
<input type="button" value="Save Changes"/> <input type="button" value="Back"/>	

After you have entered all Parameters, we recommend to Test the Email functionality. First, please click on "Save", then click on "Test Email Setup". You should now receive 2 Emails at the specified Recipients.



2. Setup Groups and Alerts

Before you start to implement Printers, you should carefully consider the Groups. This avoids a lot of Work in later Steps.

Within PSM you can setup different Group and Group Types:

Group 1 and Group 2: For Administrative Reasons. You can use this 2 Groups to have an easier Overview of your Printers, to have reports by Group and you can also Use them for Error-Alerts.

Example: Group 1: Locations (eg. Bern, Lausanne)
Group 2: Black Printers / Monochrome Printers

For each Group you can specify Email Addresses to send Alerts.

Error Notification: The Error Notification is the Group which should be used for Error Notification only. You can specify Recipients to receive the Alerts.

Toner Service: You should only use this Group, if you plan to Notify People, when the Toner becomes near Empty (1% or so.). Please note, that only HP Printers and some very view others can report exact enough.

Supplier Group: Imagine, you have a Printer Fleet of Ricoh Printers, which are under Contract for Toner delivery and Service, but you have also some Lexmark Printers, where you want to send the Orders to another Supplier. If this is the case, you can specify your Suppliers here, Along with their Email Addresses where to send the Orders to.

Information: You will probably notice, that there are Email Fields for "Statistic". These Fields are there for compatibility Reasons only. Before Version 4, PSM was only able to send out once a Month the current Page Counter Information. Some Suppliers have programmed their Systems to use the CSV Files generated each Month, and they will calculate the Pages Printed from Month to Month. In Version 4 there is a separate Reporting Section which allows you to do much more specific manual and automatic Reports.

3. Specify Schedule Intervals

In the Program Administration > "Manage Scheduler" you can specify the Interval PSM is using to gather the Consumable and Page Counters from the Printers. You can also define the Time where PSM send the Order Email.

If you are not using PSM to send Error Messages, it is enough, if you specify 60 Minutes. If you use PSM also to send Printer Error Messages, we recommend to use a smaller value.

2pm (14.00) is normally a good Time to send out the Email with the Consumable Orders. You should keep in mind that the Supplier also needs some Time to process the Orders and send out the Items.

Für den Versand des Bestell-E-mails genügt normalerweise einmal täglich. Die Zeit des Versandes sollte früh genug sein, so dass der Lieferant genügend Zeit hat, die Bestellung auszuführen. 14 Uhr ist in der Regel optimal.



4. Add Printers

Before you start to import Printers, you should know first, how PSM is working. This will avoid a lot of work in later Steps. To make PSM able to query Consumables from a Printer, it needs to know what Consumables a Printer has. For this Reason Printer Profiles are used, which contain Consumable and Threshold Values. If you add a new Printer, PSM will detect the Printer Model and uses an existing Profile, if any. But in many cases, no Profile is present, especially in new Installations.

But there is no need for Panic! PSM is able to generate a Profile by Querying Information from a Printer. The only thing you need to do yourself, is to Type in the Part Numbers.

Adding the first Printer

To get a first impression, we recommend to import a single Printer for the first Time. You can do this in the Printer Administration > Add Printers Menu. Please enter the IP Address of a Printer in the Field and Click on "Query a single Printer". You will get a Result similar to the following. As you can see, there is no Profile for this Printer.

You can now assign the Groups defined previously to the Printer.

Printer Profiles will automatically be created, if there is no profile for the printer model detected. In PSM's main Menu, you will see a yellow note, informing you that you should check the profile.

Please check the profile, and verify, that the correct part numbers are used, and that the thresholds are set according to your needs

Part Number	Consumable Description	Threshold Value (%) (for Orders)	Threshold Value (Toner service)	Maximum Capacity	Printer MB to retrieve the remaining Pages
C8550A	Black Print Cartridge HP C8550A	20	5	25000	1.3.6.1.2.1.43.11.1.1.9.1.1
C8551A	Cyan Print Cartridge HP C8551A	20	5	25000	1.3.6.1.2.1.43.11.1.1.9.1.2
C8553A	Magenta Print Cartridge HP C8553A	20	5	25000	1.3.6.1.2.1.43.11.1.1.9.1.3
C8552A	Yellow Print Cartridge HP C8552A	20	5	25000	1.3.6.1.2.1.43.11.1.1.9.1.4
C8560A	Black Image Drum HP C8560A	20	5	40000	1.3.6.1.2.1.43.11.1.1.9.1.5
C8561A	Cyan Image Drum HP C8561A	20	5	40000	1.3.6.1.2.1.43.11.1.1.9.1.6
C8563A	Magenta Image Drum HP C8563A	20	5	40000	1.3.6.1.2.1.43.11.1.1.9.1.7
C8562A	Yellow Image Drum HP C8562A	20	5	40000	1.3.6.1.2.1.43.11.1.1.9.1.8
C8555A	Image Transfer Kit HP C8555A	20	5	200000	1.3.6.1.2.1.43.11.1.1.9.1.9
C8554A	Image Cleaning Kit HP C8554A	20	5	50000	1.3.6.1.2.1.43.11.1.1.9.1.10
C8556A	Image Fuser Kit HP C8556A	20	5	100000	1.3.6.1.2.1.43.11.1.1.9.1.11

After you have completed and saved the Printer Profile, you can Save the Printer.



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Adding multiple Printers

If you have to import multiple Printers, we recommend to make use of the predefined Ranges (templates). The Advantage of this Method is, that you can use the predefined Ranges as a Template for the Group assignment as well as to make a batch Search for new Printers.

You can configure the predefined Templates by choosing "Manage predefined Queries" from the "Add new Printers" Menu. From "add new Printers" Menu you can use this "Templates" for all kind of Printer Queries, and you will get the correct Group assignments with just one Click.

After you have defined some predefined Queries, you can choose one or more of them and Click on "Start Query". This will initiate a Scan in the Background.

When the Scan is complete the Recipients defined in the „Program Administration“ „Email Setup and Admin Passwort“ will get an Email. There will be a button displayed called "Show Results".

The Results will be shown in a Table:

Import Printers	IP Address / Host Name	Printer Name	Contact Person	Location	Printer Model	Serial Number	Group1 Names	Group2 Names	Error Notification Group	T G
<input checked="" type="checkbox"/>	prt051.sysprint.local	PRT051	Jlrs Schuster	Sysprint AG	hp LaserJet 4350	CNCXF15886	Drucker Verkauf	Schwarzweiss Drucker	Verkauf - Verena Schwarz	1
<input checked="" type="checkbox"/>	prt053.sysprint.local	prt053	Bruno Calziniiglia	Sysprint AG	unknown, create now!	JPVFF06654	Drucker Verkauf	Schwarzweiss Drucker	Verkauf - Verena Schwarz	1

Save Back

You can choose which of the Printers should be imported. If one or more Printer does not have a Profile in PSM, you will get back to the List after you clicked on "Save". You will not be able to import Printers, as long as there is no Profile for the Printer Model. But also here you can directly define a Profile by clicking on the "unknown, create now!" Button.



5. Additional Information

Additional Information can be obtained at our online Forum at http://partner.sysprint.ch/n_forum

In the Forum you will always find the latest Software Version and the Release Notes for the latest and all previous Versions.

6. Support and Warranty

Free Support:

The Rack and Lite Appliance Variants will be sold only together with a Warranty contract.

The Rack Variant includes next Business Day onsite Intervention in case of Hardware defects.

The Lite Variant needs to be returned to us in case of a defect. It will be repaired and returned immediately.

All Variants of PSM including VMWare have Online and Phone Support included in the Yearly Software contract. Any Intervention done by Remote Support (Team Viewer), Phone, or Email is free of charge.

Payed Support:

If we need to come onsite, because your security Policy does not allow Remote Support, or if you explicitly ask for it, this would be charged at a hourly rate.

7. PSM Development

PSM Development is an ongoing process. Many of the Features present in PSM today have been developed upon Input of End Users or IT Administrators. Feel free to contact us for any idea or request you may have.

