



FollowMe®

SAP

Integration Guide

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Note: Because of the fast pace of software development it is possible that there will be minor differences between the manual and the actual release of the program.

Trademarks

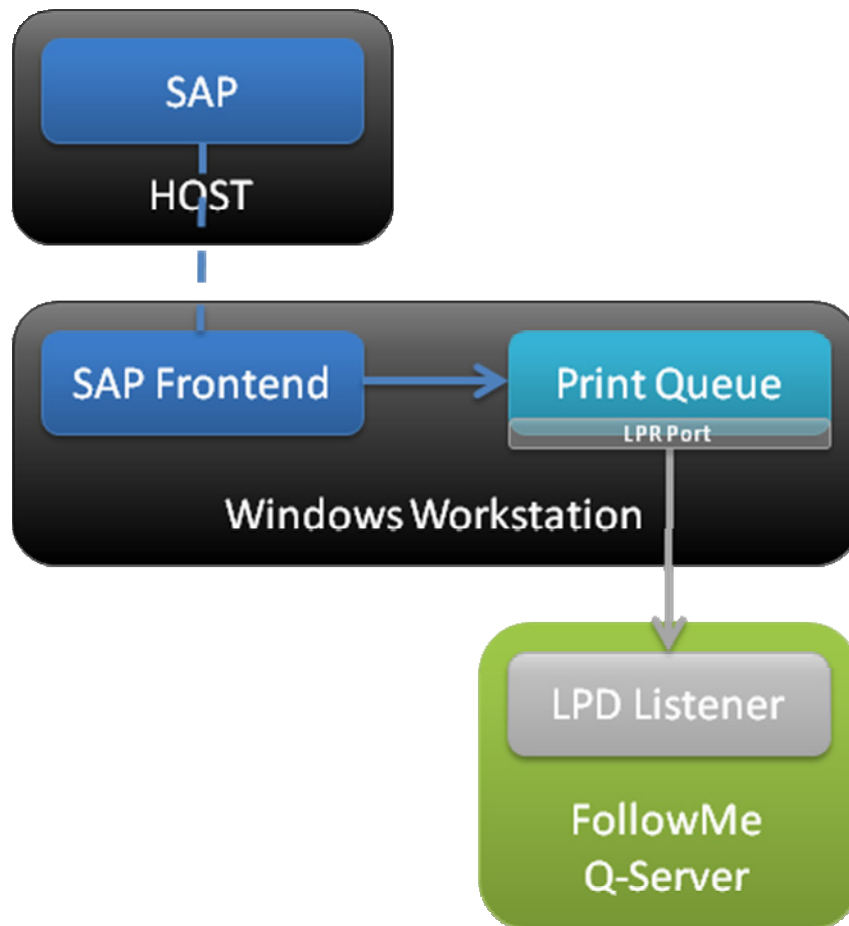
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Option 1 - SAP Frontend Printing

Overview

When SAP is configured to use the SAP GUI for Windows which allows for a user to print to a locally configured or Windows shared print queue, the user is presented their normal Windows printing architecture and print queue choices.

Architecture



Implementation

In this architecture the only changes need to be made to the Windows print queue configuration to change the way in which ports are configured, these will no longer point directly to the printer although to the FollowMe Q-Server instead.

Once the print job is routed to the FollowMe Q-Server, either it will be stored securely when in a FollowMe Printing environment, or when configured in a non-interactive environment then the print jobs can automatically route through to the end device.

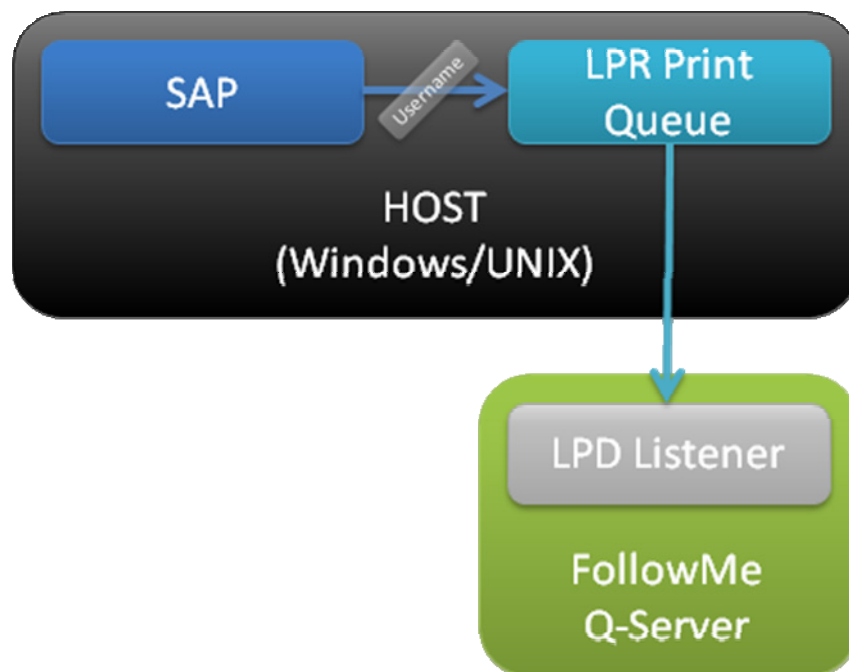
Option 2 - SAP Printing over HOST LPR Print Queue (and LPR Parameter)

Overview

In the SAP environment when the SAP system sends a print job to the HOST spooling system, the username is not passed as standard meaning print jobs will be sent and received at the FollowMe Q-Server as a generic user (normally "root" or "system").

It is possible to change the SPR spooling process to ensure that when calling a LPR print command (in the HOST system) that a username is passed so that the FollowMe Q-Server can correctly assign the print job to the requesting SAP user.

Architecture



Implementation

- 1) Refer to the SAP Setting Spool System Parameters help document

http://help.sap.com/saphelp_40b/helpdata/fr/d9/4a98ad51ea11d189570000e829fbbd/content.htm

- 2) For SAP to pass the username the HOST "Print Command" needs to be changed to pass the username in a different LPR parameter.
- 3) The LPR protocol allows for a number of different parameters to be specified as one needs to assume the "P" parameter cannot be changed because the HOST system is using this to print. When this is the case one of the following LPR parameters should be used to pass the username where the FollowMe Q-Server can then use one of these as the username instead.

LPR Option	Description
C	Class for banner page
J	Job name for banner page

P	User identification (<i>normally system controlled</i>)
T	Title for print job

NOTE: LPR options are case sensitive.

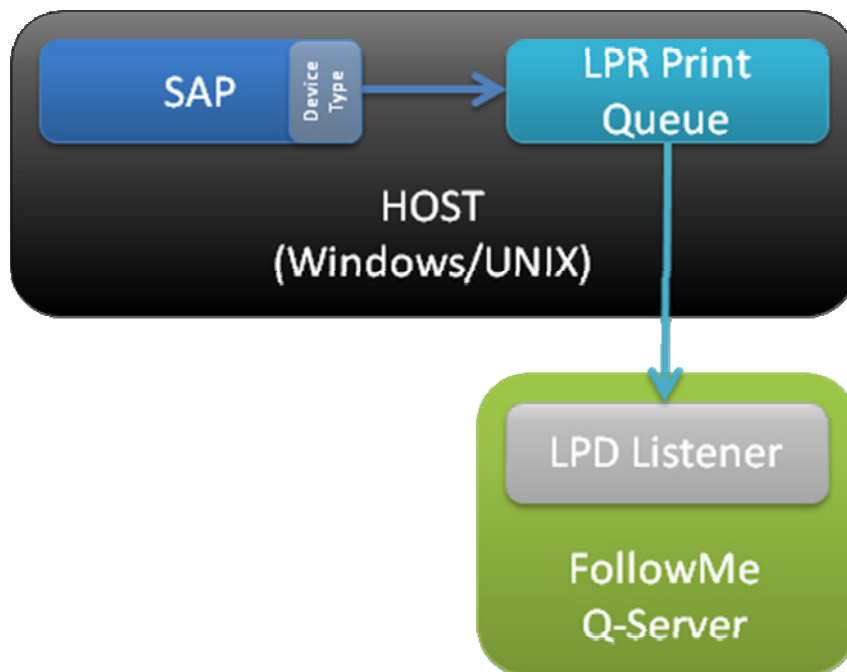
- 4) The FollowMe Q-Server needs to now accommodate the username being specified in a different LPR parameter, other than the standard username ("P").
 - a) If all printing comes from SAP then the global LPR username command can be changed.
 - b) If Windows (or non-SAP) and SAP print jobs need to be accommodated a simple policy needs to be implemented to ensure SAP based print jobs read the username from the required LPR parameter.

Option 3 - SAP Printing over HOST LPR Print Queue (and Device Type Change)

Overview

In a SAP environment it is possible to configure a custom device type to pass the current printing users username and insert this into the print job.

Architecture



Implementation

- 1) Create a new Printer "DEVICE TYPE"

```
Z_HP_LJ4 HP Laserjet 4 mit PJJ
```

NOTE: This example uses copies the standard HP LaserJet 4 device type.

- 2) Select the appropriate Printer that requires this new "DEVICE TYPE" applying.
 - a) Select "Full Administration" (F6).
 - b) Now select the appropriate "DEVICE TYPE" or "LAYOUT SET" that should be applied to this particular printer.
 - c) Double click the appropriate Printer and enter the appropriate PJJ commands. In this case the "Printer Initialisation" parameter would become the following:

```
@PJJ SET USERNAME=$(USER)\r\n
```

- 3) For additional information refer to the following SAP note:

```
# 772999 (http://service.sap.com/sap/support/notes/772999)
```

- 4) The FollowMe Q-Server needs to now be configured to accommodate the username being read from the print job and not the standard LPR command ("P").

Reference

SAP Printing Guide

http://help.sap.com/saphelp_erp2004/helpdata/en/d9/4a8eb751ea11d189570000e829fbbd/content.htm

Frontend Printing (SAP GUI for Windows)

http://help.sap.com/saphelp_nw04/helpdata/EN/76/2b063cd616133de1000000a11402f/content.htm

Setting Up Remote Printing for UNIX Hosts

http://help.sap.com/saphelp_erp2004/helpdata/en/d9/4a972a51ea11d189570000e829fbbd/frameset.htm

Example: Remote Printing on UNIX

http://help.sap.com/saphelp_erp2004/helpdata/en/7e/36e4ca023411d399b70000e83dd9f/content.htm

Access Methods

http://help.sap.com/saphelp_erp2004/helpdata/en/4f/9c033cff903105e1000000a114084/content.htm

Setting Spool System Parameters

http://help.sap.com/saphelp_40b/helpdata/en/d9/4a98ad51ea11d189570000e829fbbd/content.htm