
IBM Infoprint Manager for AIX Version 3.2 Sun Solaris 2.5.1 Client Readme

This file describes the installation, configuration, and use of the Sun Solaris 2.5.1 Client sample code. The licensee of the Infoprint product is free to copy, revise, modify, and make derivative works of this program sample as they see fit.

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Purpose of this Program Sample

This program sample provides a mechanism for Sun Solaris 2.5.1 customers to issue Infoprint commands over a TCP/IP-connected network to an Infoprint Manager server. Using a UNIX command line or shell script, customers may query server, printer and print job status; change the state of a server, printer or print job; create, delete or reorder a print job on the the server. A complete list of Infoprint commands available on the command line follows. In addition, complete command line documentation can be found in the Infoprint Reference found in the same directory as this file and named S5445475.PDF. View this file using Adobe Acrobat Reader or print it using an Infoprint Manager client interface.

Files Included in this Program Sample

- pdcommand.solaris.251
- S5445475.PDF
- readme.eng (this file)

Installation Directions

1. Log in as **root**.
2. Create a **/pd_sun** directory on the Solaris client system. This directory must have approximately one megabyte of available storage.
3. Copy the **pdcommand.solaris.251** file to the **/pd_sun** directory.
4. Change to the **/pd_sun** directory on the Solaris client.
5. Type the following command: `mv pdcommand.solaris.251 pdcommand`
6. Create links to for each supported command that you wish to make available. See section entitled "Supported Infoprint Commands" for the names of the supported commands. For example, to support the **pdls** command that lists information on Infoprint objects, type the following: `ln -s pdcommand pdls`
7. Create a shell script in the language of your choice or manually set the following environment variables.
 - **PDHOST** - contains the name of the Infoprint Controller that will perform the printing operations.
 - **PD_SOCKET** - TCP/IP socket number of the Infoprint Controller job daemon. The default socket is "6874". Use "6874" unless your system has been specifically setup differently.
 - **PDPRINTER** - default Printer Queue on the Infoprint Controller. The commands will use this value if you do not specify a printer on the command line.
 - **PATH** - add **/pd_sun** to this variable

The following is a C-Shell example of setting the environment variables:

- `setenv PDHOST "hostname-of-infoprint-controller"`
- `setenv PD_SOCKET "6874"`

- `setenv PDPRINTER "name-of-default-print-queue"`
- `setenv PATH ${PATH}:/pd_sun`

8. Test the system:

- Open a command line window.
- Set environment variables as directed in step 7 or with an optional shell script.
- Issue one of the chosen commands followed by **-h**. This will display command syntax for that particular command and will verify the installation. For example:

```
pdls -h
```
- Make sure the `pdcommand(s)` and optional shell script are found in the system or user's execution search path (change the default shell configuration files). Notify your user base of the change and instruct them to add this path to their shell configuration files.

Supported Infoprint Commands

- `pdclean`
- `pdcreate`
- `pddelete`
- `pddisable`
- `pdenable`
- `pdls`
- `pdmod`
- `pdpause`
- `pdpr`
- `pdpromote`
- `pdq`
- `pdreorder`
- `pdresume`
- `pdrm`
- `pdset`
- `pdspace`
- `pdshutdown`

The documentation for these commands can be found in the "Infoprint Manager for AIX Reference" publication (S544-5475). You can always use the `pdpr`, `pdls`, and `pdq` commands. If your Infoprint server is configured to use the Distributed Computing Environment (DCE), you must also configure your workstation to use DCE in order to use the other commands. Specifically, you must configure the system so that it is in the same DCE cell as the Infoprint server, and you must make sure that the DCE user ID (principal) used on this system is included in the DCE cell.

If your Infoprint server is not configured to use DCE, you can use all the commands if the server security level is "none." Contact your Infoprint Manager administrator for information on printing system security. If a higher security level than "none" is required, your administrator may grant you authority to use other commands by modifying access control list (ACL) properties for each command on the Infoprint Manager server.

Sample Code Tested on the Following Systems

- Sun Solaris 2.5.1 - Compiler: Sun Workshop C++ 4.2

– Examples:

1. Query the status of the Infoprint server.

```
pdls -cserver
```

2. Query the status of all printers on the Infoprint server whose hostname is "pauper."

```
pdls -cprinter pauper:
```

3. List the jobs in the printer queue whose name is "LPQUEUE." Show detailed information (**-rverbose**) and do not filter for particular criteria (such as submitter id) (**-F**).

```
pdq -pLPQUEUE -rverbose -F
```

4. Submit a file called "test.ps" in the directory **/users/rothman/projects/** to the default print queue (**PDPRINTER** environment variable). Name the print job "MyPrintJob" on the Infoprint server.

```
pdpr -tMyPrintJob /users/rothman/projects/test.ps
```

5. Change the job-name attribute of a print job on the server named "pauper." The job number was obtained by a previous **pdq** command.

```
pdset -cjob pauper:job#frompdq -x "job-name=NewJobName"
```

6. Remove a print job from the print queue on Infoprint server named "pauper."

```
pdrm -cjob pauper:job#frompdq
```

7. Print out the usage help information for the **pdpr** command.

```
pdpr -h
```

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