

# **CRISTAL WMS PQServerNet Service**

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## 1. Introduction

### 1.1. What is PQServerNet?

PQServerNet is a facility used by CRISTAL WMS to print reports from designated printers. It works as follows:

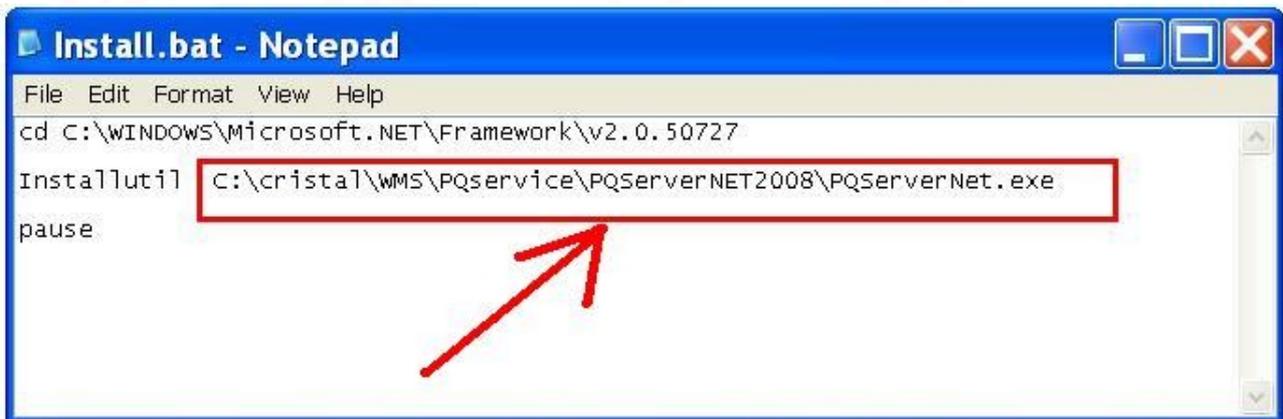
1. CRISTAL WMS program writes a record into the PRINT\_QUEUE database table regarding information about the report to be printed. This record has a special format that is related to the way parameters are fed into the associated Seagate Crystal Reports template.
2. The PC running the PQServerNet service checks the PRINT\_QUEUE table for new records. When found, it will print the report defined by the record.

The PQServerNet service runs on all Microsoft Windows platform except Windows 95/98/ME. It also runs on both 32- and 64-bit operating systems.

## 2. Installation

### 2.1. Installing the Service

To install PQServerNet service just double click on the Install.bat file. The content of the Install.bat file is shown in Figure 1.



```
cd C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727
Installutil C:\cristal\WMS\PQservice\PQserverNET2008\PQserverNet.exe
pause
```

Figure 1

Before running the Install.bat file make sure that the path of the PQServerNet.exe resides is correct as shown in the red box in Figure 1.

Example : If PQServerNet.exe resides in sub-directory service then the Install.bat file must be changed as shown in Figure 2.



```
cd C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727
Installutil C:\service\PQserverNet.exe
pause
```

Figure 2

Once finish editing the path, save and close the Install.bat file. To run it just double click using a mouse. When the service is successfully installed, you will see a DOS command message box as shown in Figure 3. The last 2 messages of the installation should be the same as that shown in the red box in Figure 3. Just type any key to close the DOS command message box.

```
C:\WINDOWS\system32\cmd.exe
Beginning the Install phase of the installation.
See the contents of the log file for the C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.exe assembly's progress.
The file is located at C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.InstallLog.
Installing assembly 'C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.exe'.
Affected parameters are:
  logtoconsole =
  assemblypath = C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.exe
  logfile = C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.InstallLog
Installing service PQServerNet...
Service PQServerNet has been successfully installed.
Creating EventLog source PQServerNet in log Application...

The Install phase completed successfully, and the Commit phase is beginning.
See the contents of the log file for the C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.exe assembly's progress.
The file is located at C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.InstallLog.
Committing assembly 'C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.exe'.
Affected parameters are:
  logtoconsole =
  assemblypath = C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.exe
  logfile = C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.InstallLog
The Commit phase completed successfully.
The transacted install has completed.

C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727>pause
Press any key to continue . . .
```

Figure 3

The PQServerNet service will also be shown in the Services list, which you can access from **Start** → **Control Panel** → **Administrative Tools** → **Services** as shown in Figure 4.

By default, the PQServerNet service is run automatically. That means it will auto start itself when Windows starts or reboot. It will start even if no user is present to logon to Windows.

By default, the PQServerNet service is always run with the Local System account. In an Active Directory network, it may be necessary to run the service with a different Windows account. To do this, select the “This Account” option in the Log On tab if you want to change the Log On account settings. You need to supply the appropriate account credentials

before you can apply this new account settings as shown in Figure 5.

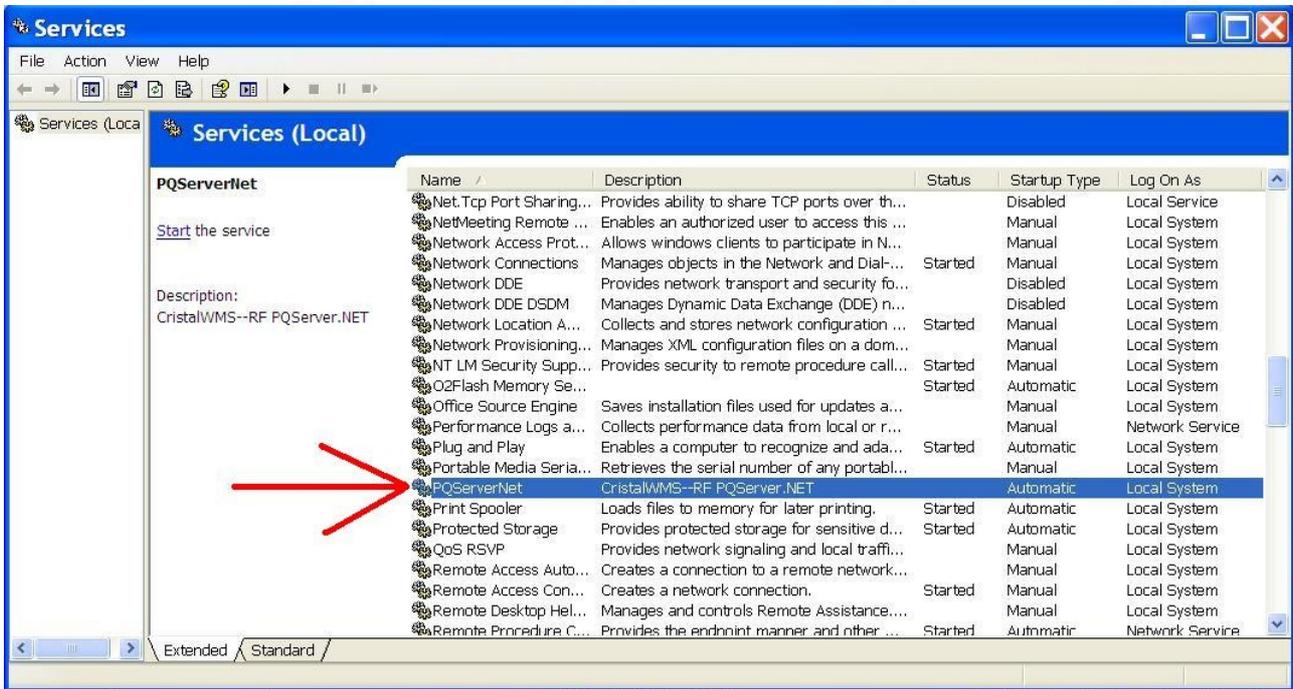


Figure 4

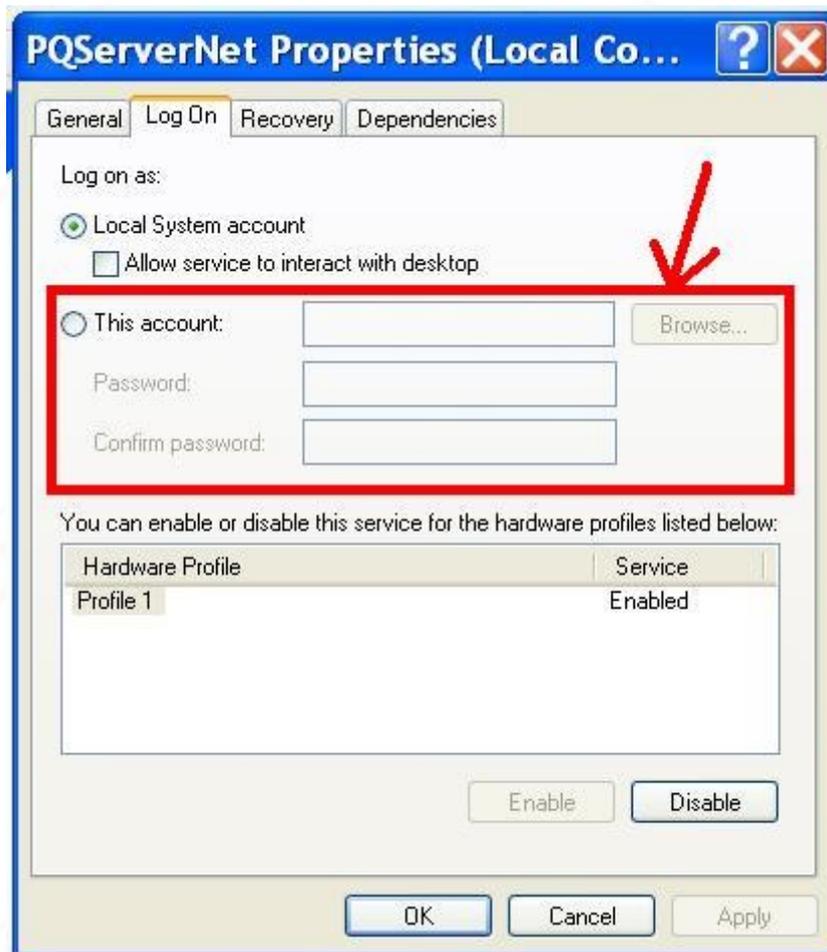


Figure 5

## 2.2. Starting the Service

To start the service, just double click on the start.bat file. The content of the file is shown in Figure 6. The parameter in the red box is a registry name corresponding to the database used for this service. ***The parameter is required and mandatory.*** Consult your CRISTAL WMS administrator if need be about the parameter to supply.

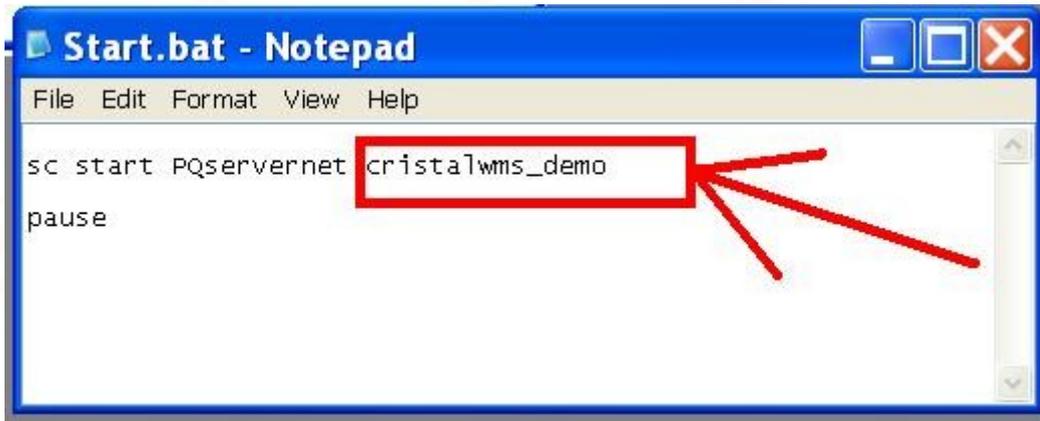


Figure 6

Once the start.bat file runs successfully, you will see the DOS command message box as shown in Figure 7. Just click any key to close it. Figure 8 shows the Services list where PQServerNet is started.

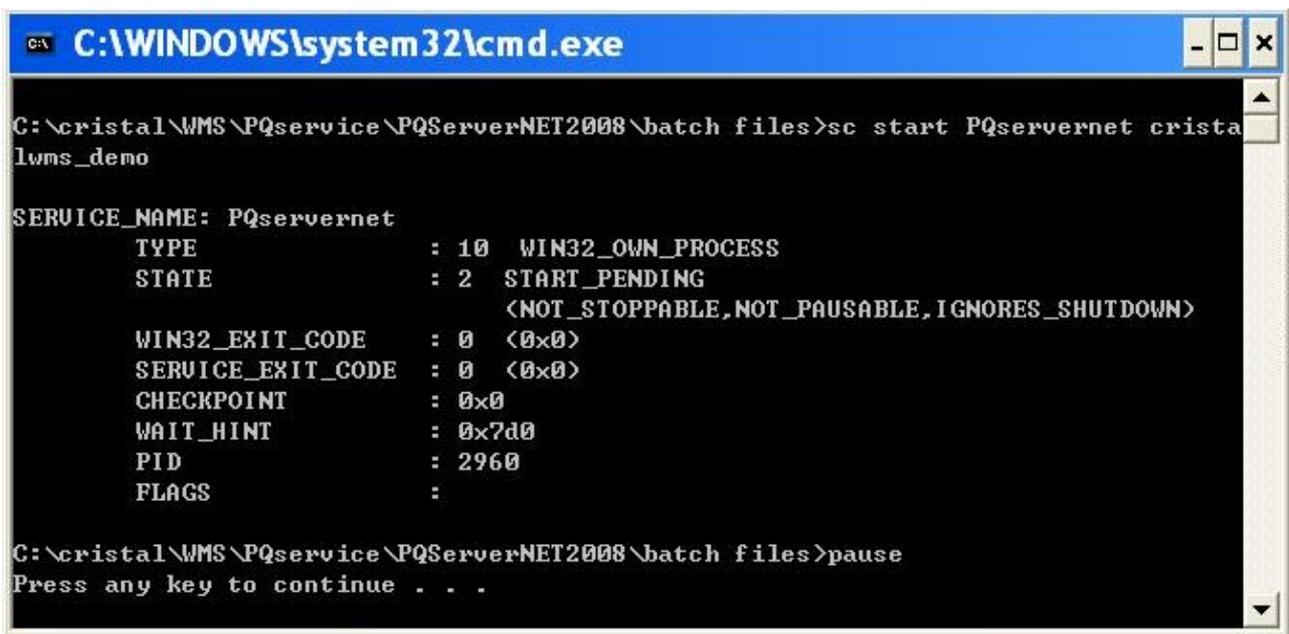


Figure 7

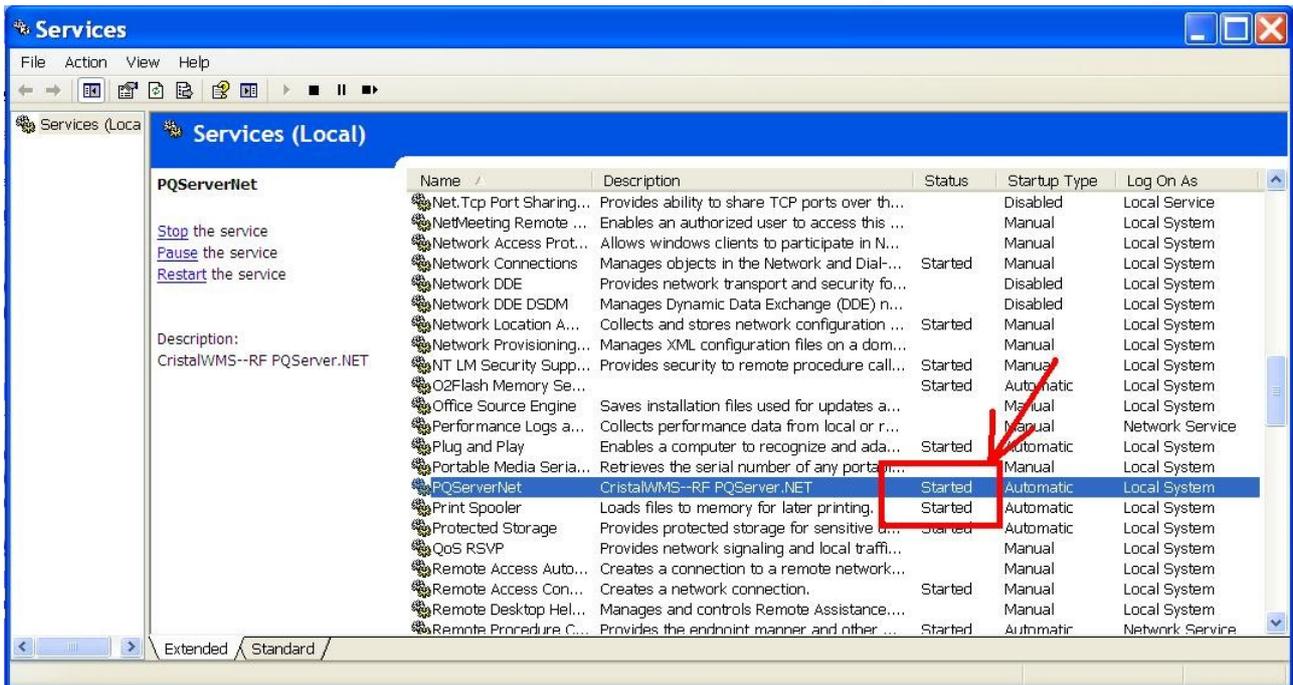


Figure 8

### 2.3. Stopping the Service

To stop the service, just double click on the stop.bat file. The content of the file is shown in Figure 9. A DOS command message box is again shown and just type any key to close it. Once the PQServerNet is stops, the start status is missing from the Services list as shown in Figure 10. To refresh the Services list if need be, just select menu Action → Refresh.



Figure 9

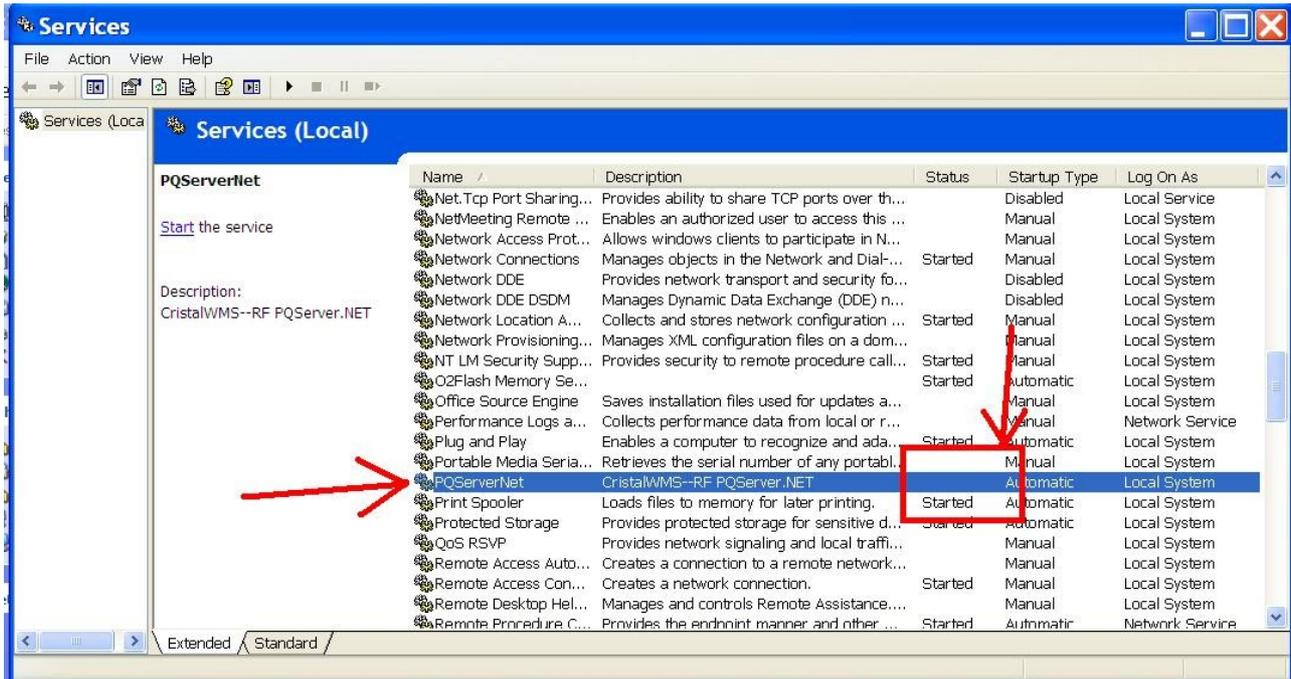


Figure 10

## 2.4. Uninstalling the Service

To uninstall the service, just double click on the uninstall.bat file. The content of the file is shown in Figure 11. Remember to change the path of the PQServerNet.exe according to your system as shown in the red box in Figure 11. When the service is successfully uninstalled, the last 3 messages of the uninstallation should be the same as that shown in the red box in Figure 12. To close it, just type any key.



Figure 11

```
C:\WINDOWS\system32\cmd.exe
C:\crystal\WMS\PQservice\PQServerNET2008\batch files>cd C:\WINDOWS\Microsoft.NET
\Framework\v2.0.50727
C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727>Installutil C:\crystal\WMS\PQserv
ice\PQServerNET2008\PQServerNet.exe /u
Microsoft (R) .NET Framework Installation utility Version 2.0.50727.3053
Copyright (c) Microsoft Corporation. All rights reserved.

The uninstall is beginning.
See the contents of the log file for the C:\crystal\WMS\PQservice\PQServerNET200
8\PQServerNet.exe assembly's progress.
The file is located at C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.Inst
allLog.
Uninstalling assembly 'C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.exe'
-
Affected parameters are:
  logtoconsole =
  assemblypath = C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.exe
  logfile = C:\crystal\WMS\PQservice\PQServerNET2008\PQServerNet.InstallLog
Removing EventLog source PQServerNet.
Service PQServerNet is being removed from the system...
Service PQServerNet was successfully removed from the system.

The uninstall has completed.
C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727>pause
Press any key to continue . . .
```

Figure 12

### 3. SYSTEM\_CONFIG Parameter

There is a parameter used by PQServerNet service resided in the WMS program. This parameter can be changed from the Administration → System → System Configuration option in the WMS program as shown in Figure 13.

Print Queue Interval – A number in seconds. This stores the number of seconds before the PQServerNet service polls the PRINT\_QUEUE table for refresh record to process.

Site Configuration Parameters		
	Description	Value
AUTHORISATION		
BILLING	Alert Preview before Printing	N
DATA FORMAT	Auto Print Sales Order on Release	N
EMAIL_SETTING	Preview before Printing	Y
KPI	Print Queue Enabled	Y
MSO	Print Queue Interval	2
	Print Works Orders On Assigned	Y
PRINT	Printer Selection	Y
PRODUCT		
PURCHASE ORDER		
QA		
RECEIPT		
RF		

Figure 13