

Scheduled QPR Restart

Version 1.0.0 (10.7.2015)

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1 Overview

Scheduled QPR Restart is a command-line script restarting QPR Suite system. In case normal shutdown doesn't succeed (i.e. server processes don't shut down), QPR server processes are forced to shut down, before starting them again. The script may be useful in situations where scheduled QPR restarts help to manage e.g. an unknown stability issue.

There are two scripts available:

- **QprRestart.bat** restarts all QPR Suite server processes.
- **QprWebServiceRestart.bat** restarts only QPR Web Services server process.

2 Compatibility

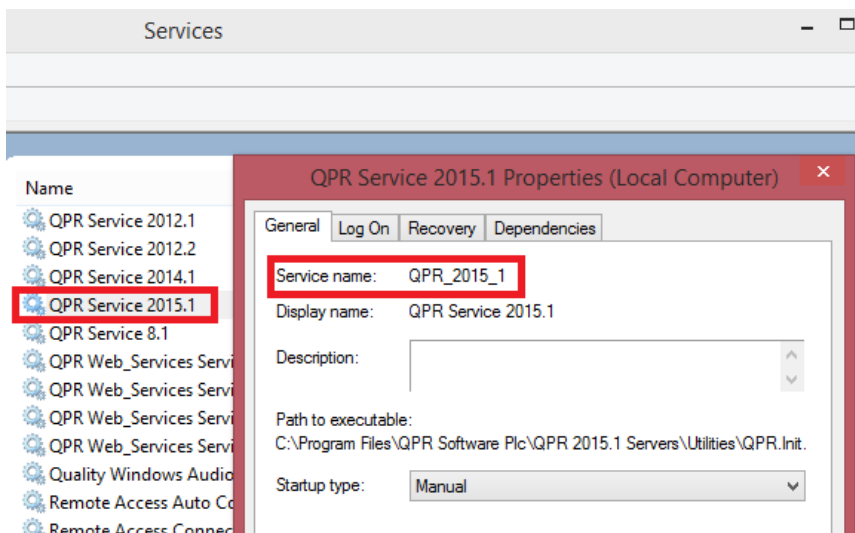
Compatible with all QPR Suite version.

3 Configuration

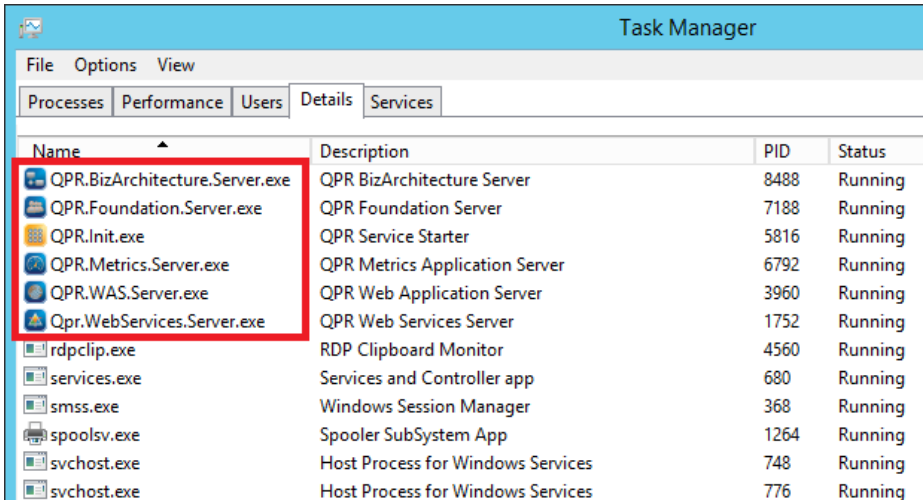
Follow these steps to configure the script:

1. Save **QprRestart.bat** (or **QprWebServiceRestart.bat** for restarting only QPR Web Services server) to a disk in the QPR server computer. Check the script contents and change Windows service names and process names if needed. Default service names are following:
 - **QPR_2015_1** for QPR service
 - **QPR_2015_1_Web_Services** for QPR Web Services service

Service names can be seen in **Services** in **Windows Control Panel**. Find the QPR service and see the **Service name** in the **Properties** window (see the image below).



Process names usually don't change, but they can be confirmed in **Task Manager** (see the image below).



Name	Description	PID	Status
QPR.BizArchitecture.Server.exe	QPR BizArchitecture Server	8488	Running
QPR.Foundation.Server.exe	QPR Foundation Server	7188	Running
QPR.Init.exe	QPR Service Starter	5816	Running
QPR.Metrics.Server.exe	QPR Metrics Application Server	6792	Running
QPR.WAS.Server.exe	QPR Web Application Server	3960	Running
Qpr.WebServices.Server.exe	QPR Web Services Server	1752	Running
rdpclip.exe	RDP Clipboard Monitor	4560	Running
services.exe	Services and Controller app	680	Running
smss.exe	Windows Session Manager	368	Running
spoolsv.exe	Spooler SubSystem App	1264	Running
svchost.exe	Host Process for Windows Services	748	Running
svchost.exe	Host Process for Windows Services	776	Running

- Schedule QprRestart.bat (or QprWebServiceRestart.bat) using **Windows Task Scheduler**. Recommended run time is when there is least usage for the system. Note that you need to set **Run whether user is logged on or not** for the scheduling.
- Test the scheduled restart by clicking **Run** for the created task in Windows Task Scheduler. Check from **Windows Task Manager** that QPR processes are shut down and then restarted properly. Afterwards, monitor from QPR logs that the scheduling has been working.

4 Script code

Below is the contents of the provided script files (service names are bolded).

4.1 QprRestart.bat

```
net stop QPR_2015_1_Web_Services
net stop QPR_2015_1
```

```
Taskkill /IM "Qpr.WebServices.Server.exe" /F
Taskkill /IM "QPR.Metrics.Server.exe" /F
Taskkill /IM "QPR.BizArchitecture.Server.exe" /F
Taskkill /IM "QPR.WAS.Server.exe" /F
Taskkill /IM "QPR.Foundation.Server.exe" /F
Taskkill /IM "QPREMS.exe" /F
Taskkill /IM "QPR.Init.exe" /F
```

```
net start QPR_2015_1
```

4.2 QprWebServiceRestart.bat

```
net stop QPR_2015_1_Web_Services
```

```
Taskkill /IM "Qpr.WebServices.Server.exe" /F  
net start QPR_2015_1_Web_Services
```