Panasonic

PARCWebConsole

Setup

This software supports the following tablet computer series.

- FZ-L1 Series
- FZ-N1 Series
- FZ-T1 Series

Version: 1.0.1
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Panasonic Mobile Communications Co., Ltd.

1 What is PARCWebConsole?

It is a kitting tool that can distribute device feature setting files created with the computer application “Panasonic Rapid Configuration” to multiple devices connected through Wi-Fi. PARCWebConsole is set up in Windows Server.

This document explains how to set up PARCWebConsole.

2. Setup procedure for PARCWebConsole

To set up PARCWebConsole in Windows, you must install some software beforehand.

- Patches from Microsoft
- Latest version of Oracle JDK
- Apache
- Tomcat
- MySQL

After installing these, you will install the PARCWebConsole system.

*The screens in this document may vary from the latest versions.

System requirements

Server: Windows Server 2016
Client: Windows 7, 10
Browser: Internet Explorer, Chrome

2.1 Installing patches from Microsoft

Install the following three patches.

- Visual C++ Redistributable for Visual Studio 2012 Update 4
- Visual C++ Redistributable for Visual Studio 2015
- Visual C++ Redistributable Packages for Visual Studio 2013

2.1.1 Visual C++ Redistributable for Visual Studio 2012 Update 4

Download the patch from the Microsoft site and install it.

1 Access the following site and click [Download].

https://www.microsoft.com/en-US/download/details.aspx?id=30679

2 Download the executable file that matches the system environment in which PARC Web Console will be set up.

2 Install the downloaded executable file.

*Install according to your system environment.

2.1.2 Visual C++ Redistributable for Visual Studio 2015

Download the patch from the Microsoft site and install it.

1 Access the following site and click [Download].
https://www.microsoft.com/en-US/download/details.aspx?id=48145

2 Download the executable file that matches the system environment in which PARC Web Console will be set up.

3 Install the downloaded executable file.

∗Install according to your system environment.

2.1.3 Visual C++ Redistributable for Visual Studio 2013

Download the patch from the Microsoft site and install it.

1 Access the following site and click [Download].
https://www.microsoft.com/en-US/download/details.aspx?id=40784

2 Download the executable file that matches the system environment in which PARC Web Console will be set up.

3 Install the downloaded executable file.

∗Install according to your system environment.

Next, you will install Oracle JDK.

2.2 Installing Oracle JDK

After "Installing patches from Microsoft", install Oracle JDK.

2.2.1 Downloading Oracle JDK 1.8

Access the following site and download the latest version of Oracle JDK 1.8.

http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html

2.2.2 Installing Oracle JDK 1.8

Run the “jdk-8u162-windows-x64.exe” that you downloaded.

Install by following the instructions on the screen.

Next, you will install Apache.

2.3 Installing Apache

After “Installing Oracle JDK”, install Apache.

2.3.1 Downloading Apache 2.4

Access the following site and download Apache 2.4.29 Win64.

http://www.apachelounge.com/download/

2.3.2 Installing Apache 2.4

1 Extract the “httpd-2.4.29-Win64-VC15.zip” that you downloaded.

Folder structure after extraction

```
httpd-2.4.29-Win64-VC15
  ¥Apache24
  ¥-- Win64 VC15--
  ¥ReadMe.txt
```

2 Copy the Apache24 folder stored in the extracted folder to c:¥ directly.

2.3.3 Editing the httpd.conf setting file

Open C:¥Apache24¥conf¥httpd.conf with a text editor and edit the following lines.

```
1   ServerName www.example.com:80
2   #LoadModule cgi_module modules/mod_cgi.so
3   #LoadModule isapi_module modules/mod_isapi.so
4   LoadModule proxy_module modules/mod_proxy.so
5   LoadModule proxy_ajp_module modules/mod_proxy_ajp.so
6   LoadModule proxy_wstunnel_module modules/mod_proxy_wstunnel.so
```

1: Delete “#” at the beginning and replace www.example.com with the IP address (xxx.xxx.xxx.xxx) of the computer on which Apache is installed.
2~3: Add “#” at the beginning.
4~6: Delete “#” at the beginning.

2.3.4 Registering Apache as a service

1 Start the command prompt as an administrator and go to C:¥Apache24¥bin.
2 Run the “httpd -k install” command.

When you can confirm that the screen above is displayed, registration as a service is complete.

2.3.5 Starting up/stopping Apache

Basic Apache commands

- Start: httpd -k start
- Stop: httpd -k stop
- Restart: httpd -k restart
- Check version: httpd -v

Next, you will install Tomcat.

2.4 Installing Tomcat

After “Installing Apache”, install the latest version of Apache Tomcat.

2.4.1 Downloading Apache Tomcat

1 Access the following site and download the latest version of Apache Tomcat.
https://tomcat.apache.org/download-90.cgi

2.4.2 Installing Apache Tomcat

1 Run the “apache-tomcat-9.0.5.exe” that you downloaded.

2 For [Select the type of install:] select [Full], and deselect [Documentation] and [Examples].

3 Input the user name and password that will be used to log in as an administrator, and click [Next >].

Apache Tomcat Setup: Java Virtual Machine path selection
Java Virtual Machine
Java Virtual Machine path selection.
Please select the path of a Java SE 8.0 or later JRE installed on your system.
C:¥Program Files¥Java¥jre1.8.0_162
Nullsoft Install System v3.03
< Back
Next >
Cancel
Apache Tomcat Setup
Choose Install Location
Choose the folder in which to install Apache Tomcat.
Setup will install Apache Tomcat in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.
Destination Folder
C:¥Program Files¥Apache Software Foundation¥Tomcat 9.0
Browse...
Space required: 11.8 MB
Space available: 13.7 GB
Nullsoft Install System v3.03
< Back
Install
Cancel
Apache Tomcat Setup
Installing
Please wait while Apache Tomcat is being installed.
Installing Tomcat9 service
Show details
Nullsoft Install System v3.03
< Back
Next >
Cancel

Next, you will install MySQL.

2.5 Installing MySQL

After "Installing Tomcat", install MySQL.

2.5.1 Downloading MySQL

Access the following site and download the MySQL Community Server 5.7.21 installer.
https://dev.mysql.com/downloads/windows/installer/

2.5.2 Installing MySQL

1 Run the “mysql-installer-community-5.7.21.0.msi” that you downloaded.

2 In [Available Products], expand [MySQL Servers], select [MySQL Server 5.7.21 – X64], and click [→].

3 Similarly, in [Available Products], expand [Applications], select [MySQL Workbench 6.3.10], and click [→].

4 In [Config Type], select [Server Machine] and click [Next >].

5 Set the root password for MySQL Server and click [Next >].

6 Click [Next >].

To operate MySQL as a specific user, select [Custom User].

2.6 Installing PARCWebConsole

After “Installing MySQL”, install PARCWebConsole.

2.6.1 Installing the package

Extract “PARCWebConsole.zip”.

Folder structure after extraction

PARCWebConsole

- WebApp/
  - PARCWebConsole.war: PARCWebConsole web application
- SQL/
  - CreateDb.sql: SQL script to create databases
  - MasterData.sql: SQL script to create master data

2.6.2 Creating a database

Create a database for use with PARCWebConsole.

1 Start [MySQL Workbench 6.3 CE].
2 Click [Local instance MySQL57], which you created in “Installing MySQL”.

If [Local instance MySQL57] does not exist as described above, perform “Workbench default settings” below.

* Workbench default settings

Click [Local instance MySQL57], set the root password in the displayed [Setup New Connection] screen, and input “Localhost” in [Connection Name:].

3 Click [Connect].

4 In the [File] menu, select [Open SQL script] and select [SQL] - [CreateDb.sql], which you extracted in “Installing the package”.

When the sql file is loaded, click .

5 Similarly, in the [File] menu, select [Open SQL script] and select [SQL] - [MasterData.sql], which you extracted in “Installing the package”.

When the sql file is loaded, click .

2.6.3. Expanding the Web application

Enable access to PARCWebConsole from a Web browser.

1 Start a Web browser and access the following URL.

http://localhost:8080/manager

2 Authenticate using the administrator account that you set in “Installing Tomcat”.

3 Input the following information under [Deployment] and click [Deploy].

Context path (optional): /parc

URL for XML setting file: Blank

URL for WAR file or directory*: C:¥WebApp¥PARCWebConsole.war

*Refers to [WebApp] - [PARCWebConsole.war], which you extracted in “Installing the package”.

2.6.4 Editing the httpd.conf setting file

Open C:¥Apache24¥conf¥httpd.conf with a text editor and edit the following lines.

```
<Directory />
    Redirect / /parc/login
    AllowOverride none
    Require all denied
</Directory>


ProxyPass "/MobileDelivery" "ws://127.0.0.1:8080/parc/MobileDelivery"
ProxyPass "/parc/" "ajp://127.0.0.1:8009/parc/"
```

Add the lines in blue. Add the two lines that start with ProxyPass at the bottom.

2.6.5 Restarting Apache

1 Start the command prompt as an administrator and go to C:¥Apache24¥bin.

2 Restart Apache.

httpd -k restart

2.6.6 Accessing PARCWebConsole

1 Access http://127.0.0.1:8080/parc in a Web browser.

2 Log in with the following accounts.

Login type	Administrator	General user
Username	admin	user
Password	w7eH6m8M	e26kq9aO

We recommend that you change the passwords above because they are default passwords.

When you log in for the first time, the end user license agreement is displayed.

Select [I Agree] and click [Next].

For more about how to use PARCWebConsole, refer to “PARCWebConsole Operation”.