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# INSTALLATION GUIDE

## Proview Ver. 57-5.7.2-1 x 86\_64

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*"Powered by openSUSE"*



*Leap 15.2 Versions (64bit)*

*2/13/2021*



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## 1 About this guide

This guide will take you through the steps of downloading and installing ProviewR power by **openSUSE** using Leap 15.2 version on a single-computer system. The guide does not intend to be comprehensive. For detailed documentation, please consult the Installation Guide available at the ProviewR [<http://www.proview.se>] site.

## 2 System Requirements

### 2.1 Software

**openSUSE** using Leap 15.2 version on a single-computer system.

1. KDE Plasma Version: 5.20.5
2. KDE Frameworks Version: 5.78.0
3. Qt Version: 5.15.2
4. Kernel Version: 5.10.7-1
5. OS type: 64 bits

#### 2.1.1 Package Requirements

The following packages must be installed prior to install ProviewR for **openSUSE**.

```
gtk2 alsa gcc-c++  
libdb-4.8 libsqlite3-0 libtirpc3 xterm  
libmariadb3 libusb-1.0-0 libhdf5-103-openmpi2  
java-11-openjdk xterm xorg-x11-fonts sudo procps  
python3-devel python3 tar gzip glibc-locale-base
```

Use "zypper -n install" in command line to install required packages. You must log as root to install (copy & past lines below to command prompt):



```
zypper -n install gtk2 alsa  
gcc-c++ libdb-4_8  
libsqlite3-0 libtirpc3  
xterm libmariadb3  
libusb-1.0-0 libhdf5-103-openmpi2  
java-11-openjdk  
xterm xorg-x11-fonts  
sudo procps python3-devel python3  
tar gzip glibc-locale-base
```

## 2.2 Proview Package pwr57-5.7.2-1.x86\_64

Download the Proview Package pwr57-5.7.2-1.x86\_64.rpm from the following link:

[http://www.proview.se/v1/files/tmp/pwr57-5.7.2-1.x86\\_64.rpm](http://www.proview.se/v1/files/tmp/pwr57-5.7.2-1.x86_64.rpm)

Use zypper command to install:

```
zypper in pwr57-5.7.2-1.x86_64.rpm
```

During installation you will notice as shown in Figure No. 1 on page No. 3 that the installation gives you a signature verification failure, you can ignore and continue with installation.

```
RedBox:/home/flembecke/Downloads/Proview_Claes # zypper in pwr57-5.7.2-1.x86_64.rpm  
Loading repository data...  
Reading installed packages...  
Resolving package dependencies...  
  
The following NEW package is going to be installed:  
pwr57  
  
1 new package to install.  
Overall download size: 333.8 MiB. Already cached: 0 B. After the operation, additional 1.6 GiB will be used.  
Continue? [y/n/v/...? shows all options] (y): y  
Retrieving package pwr57-5.7.2-1.x86_64 (1/1), 333.8 MiB ( 1.57 GiB unpacked)  
pwr57-5.7.2-1.x86_64.rpm:  
Package is not signed!  
  
pwr57-5.7.2-1.x86_64 (Plain RPM files cache): Signature verification failed [6-File is unsigned]  
Abort, retry, ignore? [a/r/i] (a): █
```

Figure 1: Signature verification warning!

Once the installation is complete as as shown in Figure No. 2 on page No. 4, a “group pwrp” and “user pwrp” will be added changing the ownership to “pwrp”.



```
RedBox:/home/flembcke/Downloads/Proview_Claes # zypper in pwr57-5.7.2-1.x86_64.rpm
Loading repository data...
Reading installed packages...
Resolving package dependencies...

The following NEW package is going to be installed:
pwr57

1 new package to install.
Overall download size: 333.8 MiB. Already cached: 0 B. After the operation, additional 1.6 GiB will be used.
Continue? [y/n/v/...? shows all options] (y): y
Retrieving package pwr57-5.7.2-1.x86_64 (1/1), 333.8 MiB ( 1.57 GiB unpacked)
pwr57-5.7.2-1.x86_64.rpm:
Package is not signed!

pwr57-5.7.2-1.x86_64 (Plain RPM files cache): Signature verification failed [6-File is unsigned]
Abort, retry, ignore? [a/r/i] (a): i

Checking for file conflicts: .....[done]
(1/1) Installing: pwr57-5.7.2-1.x86_64 .....[done]
Additional rpm output:
-- group pwrp added
-- user pwrp added
Change owner of files to pwrp

RedBox:/home/flembcke/Downloads/Proview_Claes #
```

Figure 2: Installation completed with creation of “group and user pwrp”

## 2.3 Proview DEMO Package pwr57-5.7.2-1.x86\_64

Download the Proview Package pwrdemo57-5.7.2-1.x86\_64.rpm from the following link:

[http://www.proview.se/v1/files/tmp/pwrdemo57-5.7.2-1.x86\\_64.rpm](http://www.proview.se/v1/files/tmp/pwrdemo57-5.7.2-1.x86_64.rpm)

Use zypper command to install:

```
zypper in pwrdemo57-5.7.2-1.x86_64.rpm
```

During installation of the DEMO package you will notice as shown in Figure No. 3 on page No. 4 that the installation gives you a signature verification failure, you can ignore and continue with installation.

```
RedBox:/home/flembcke/Downloads/Proview_Claes # ls
Images man_installationguide_suse.pdf pwr57-5.7.2-1.x86_64.rpm pwrdemo57-5.7.2-1.x86_64.rpm
RedBox:/home/flembcke/Downloads/Proview_Claes # zypper in pwrdemo57-5.7.2-1.x86_64.rpm
Retrieving repository 'devel:gcc' metadata .....[done]
Building repository 'devel:gcc' cache .....[done]
Loading repository data...
Reading installed packages...
Resolving package dependencies...

The following NEW package is going to be installed:
pwrdemo57

1 new package to install.
Overall download size: 15.7 MiB. Already cached: 0 B. After the operation, additional 661.2 MiB will be used.
Continue? [y/n/v/...? shows all options] (y): y
Retrieving package pwrdemo57-5.7.2-1.x86_64 (1/1), 15.7 MiB (661.2 MiB unpacked)
pwrdemo57-5.7.2-1.x86_64.rpm:
Package is not signed!

pwrdemo57-5.7.2-1.x86_64 (Plain RPM files cache): Signature verification failed [6-File is unsigned]
Abort, retry, ignore? [a/r/i] (a): i
```

Figure 3: Signature verification warning during installation of Demo package!



Once the installation is completed as shown in Figure No. 4 on page No. 5 the volume directory and database will be created.

```
Checking for file conflicts: .....[done]
(1/1) Installing: pwrdemo57-5.7.2-1.x86_64 .....[done]
Additional rpm output:
Setting base /usr/pwr57

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-- Processing line: 94
-- Building volume directory
I Volume directory loaded
I Database opened /usr/pwrp/pwrdemo57/src/db/directory.wb_load
%LDH-E-VOLIDALREXI, volume identifier does already exist

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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

-- Processing line: 94
-- Building volume directory
I Volume directory loaded
I Database opened /usr/pwrp/pwrdemo57/src/db/directory.wb_load

-- Building volume
F No file found, /usr/pwrp/pwrdemo57/src/db/directory.wb_dmp
%NONAME-W-NOMSG, Message number 00000000

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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

-- Saving file /usr/pwrp/pwrdemo57/src/db/directory.wb_load -> /usr/pwrp/pwrdemo57/src/db/directory.wb_load.1
-- Plc process compiled for x86_64_linux optimized -03 -
-- Using local option-file plc_redbox_0999_plc.opt
/usr/lib64/gcc/x86_64-suse-linux/10/../../../../x86_64-suse-linux/bin/ld: cannot find -lrpcsvc
collect2: error: ld returned 1 exit status
** Plc program link errors for x86_64_linux node plc_redbox_0999_plc

-- Building volume directory
I Volume directory loaded
I Database opened /usr/pwrp/pwrdemo57/src/db/directory.wb_load
Print wbl
%MNAV-E-MSG, Session saved
-- Creating bootfile for node RedBox
-- Plc thread generated priority 23, scantime 0.01000 s, 3 plcpgm's
-- Plc thread generated priority 22, scantime 0.10000 s, 9 plcpgm's

RedBox:/home/flembecke/Downloads/Proview_Claes #
```

Figure 4: Installation completed with creation of “Volume directory and Database”

### 3 Login in Proview

After installation is completed, you will need to logout or reboot (recommended) in order to access Proview as a user.

The user name will be displayed on the screen as “pwrp” along with your user name. The password for user: pwrp is “*pwrp*”.



Once you login in Proview you will notice two icons on your desktop as shown in Figure No. 5 on page No. 6, one icon is Proview V5.7 and the other icon is the Proview Demo.

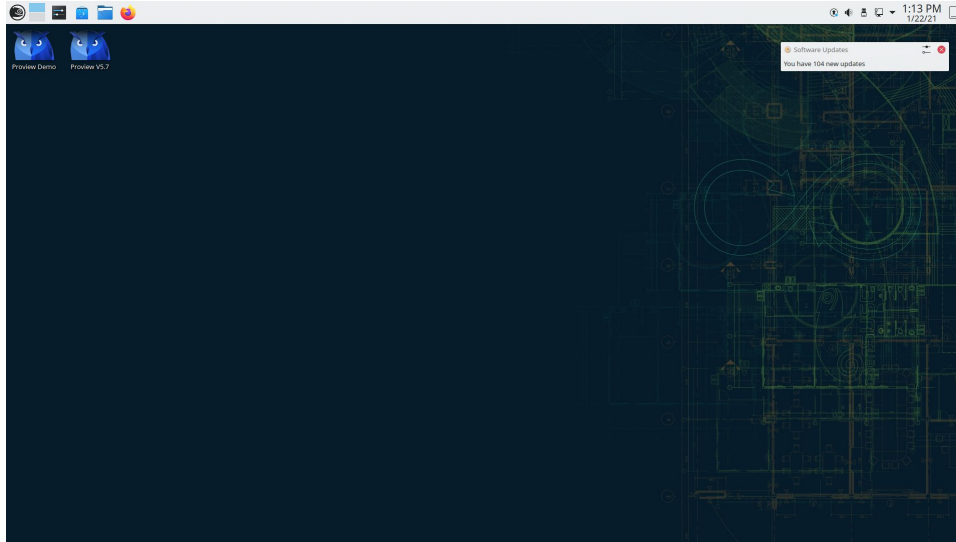


Figure 5: Proview v5.7 and Proview Demo icons on desktop

### 3.1 Starting Proview

You are now ready to start Proview. Click on the Proview V5.7 and launch Proview. The Project List window will show the projects including the project demo “pwrdemo57” as shown in Figure No. 6 on page No. 6.

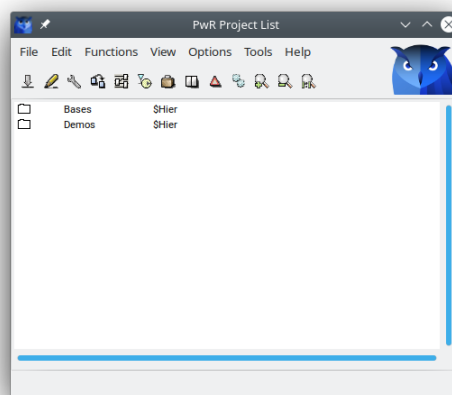


Figure 6: Proview Project List window



### 3.2 Starting Demo and Runtime to connect to server

You are now ready to connect to the server by clicking on “Proview Demo Icon”, the Runtime Monitor window will show “Connection down to server” as shown in Figure No. 7 on page No. 7.

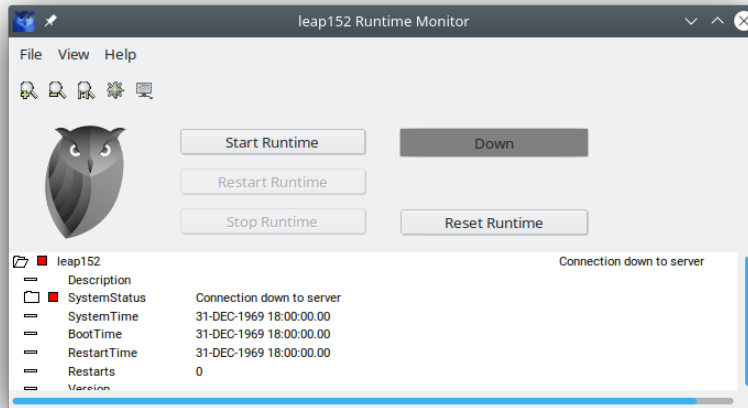


Figure 7: Starting Demo and Runtime to connect to server

Click on “Start Runtime” to connect to the server as shown in Figure No. 8 on page No. 7.

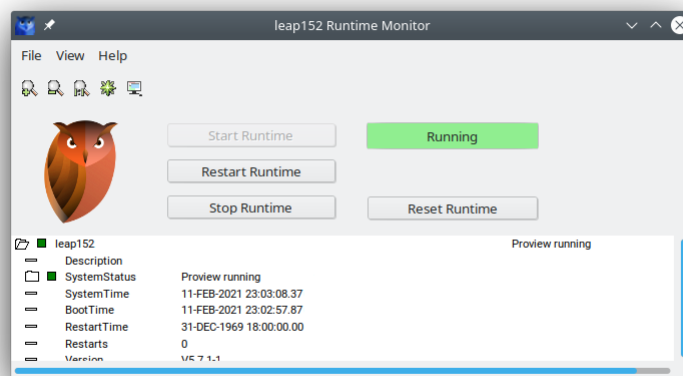


Figure 8: Runtime Monitor showing Proview running

Proview is up and running!!