

SwissCenter Installation

SuSE Linux 9.3 Guide

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Before You Begin

The following is a list of all the software that you will need to download for a successful installation of the SwissCenter interface for the Pinnacle Showcenter:

- **SwissCenter**
Download from <http://www.swisscenter.co.uk/>
Size – 1.5Mb

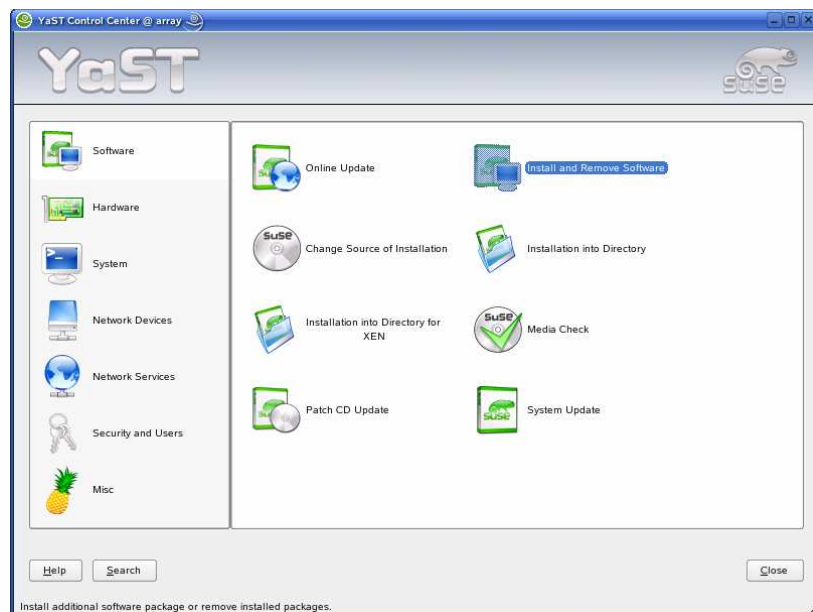
Total download size is approximately 1.5 Mbytes.



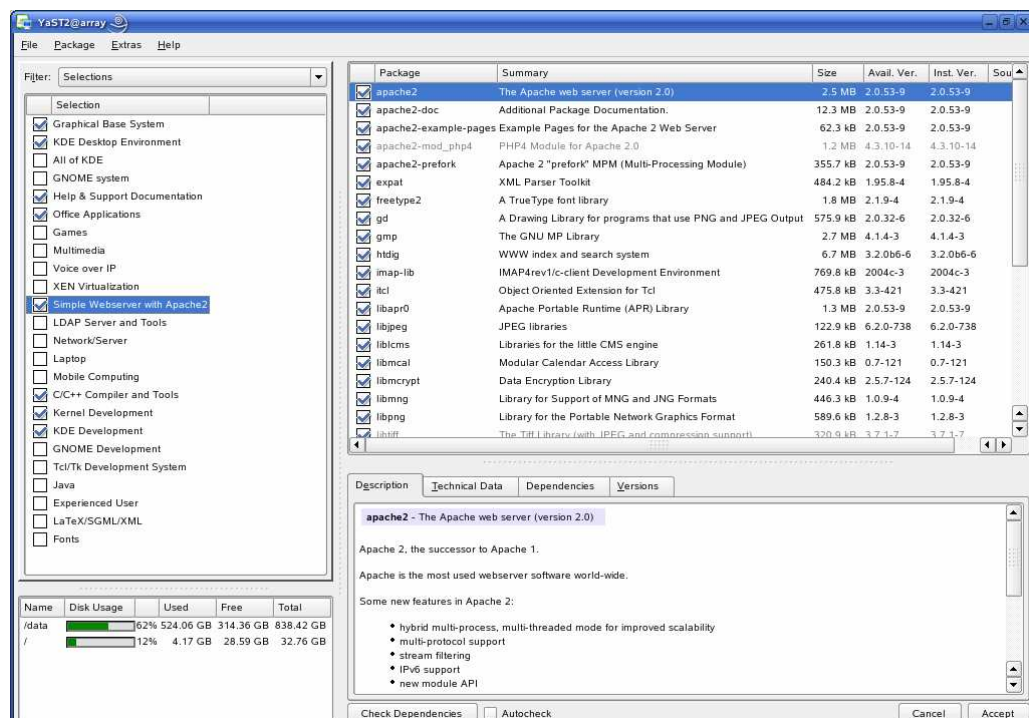
Please Note: The software supplied with your Pinnacle Showcenter does **not** need to be installed on your computer to allow you to use the SwissCenter. However, you will need the Pinnacle software installed if you wish to upgrade the Showcenter firmware.

Installing Apache, MySQL and PHP

You should ensure that the *Simple Webserver with Apache2* package selection has been installed on your machine by running *YaST* and clicking on the “*Install and Remove Software*” icon under the “*Software*” category:



This will launch the *YaST* Package manager where you can see details on all the packages that are currently installed on your system, and those that are available from your installation CDs/DVD.



Choose the “*Selections*” filter from the drop-down list in the top left corner of the dialog box, and then tick the “*Simple Webserver with Apache2*” option (shown highlighted in the screenshot below).

If this was already ticked, then the required packages are already installed and you can click *Cancel*. Otherwise, click *Accept* to install the packages from your original installation media.

Installing SwissCenter

Installing the SwissCenter Code

Download the *SwissCenter* Zip file to the */tmp* directory and issue the following commands as the *root* user:

```
mkdir /srv/www/swisscenter
cd /srv/www/swisscenter/
unzip /tmp/swisscenter.zip
chown -R wwwrun:www .
/etc/init.d/mysql start
```



The directory shown in *red* is only a suggested installation directory for the SwissCenter files and that you may use a different directory if you wish provided that you make sure the apache configuration (see below) references the same directory.

Starting MySQL

Start the MySQL Service by issuing the following command (as *root*):

```
/etc/init.d/mysql start
```

Configuring Apache

Using a text editor such as *vi*, create a file in */etc/apache2/vhosts.d* called *swisscenter.conf* with the following contents:

```
# SwissCenter Apache Virtual Host Configuration file

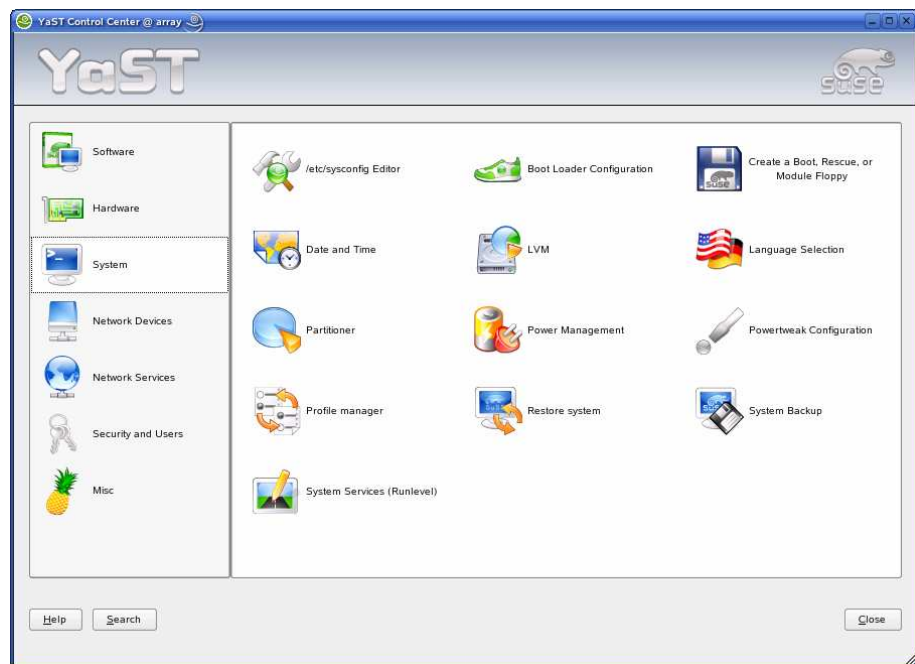
Listen 8080
<VirtualHost _default_:8080>
    DocumentRoot "/srv/www/swisscenter"
    <Directory "/srv/www/swisscenter">
        Options Indexes FollowSymLinks MultiViews
        AllowOverride None
        Order allow,deny
        Allow from all
    </Directory>
    <IfModule mod_dir.c>
        DirectoryIndex index.html index.php
    </IfModule>
</VirtualHost>
```

Start the Apache2 Service by issuing the following command (as *root*):

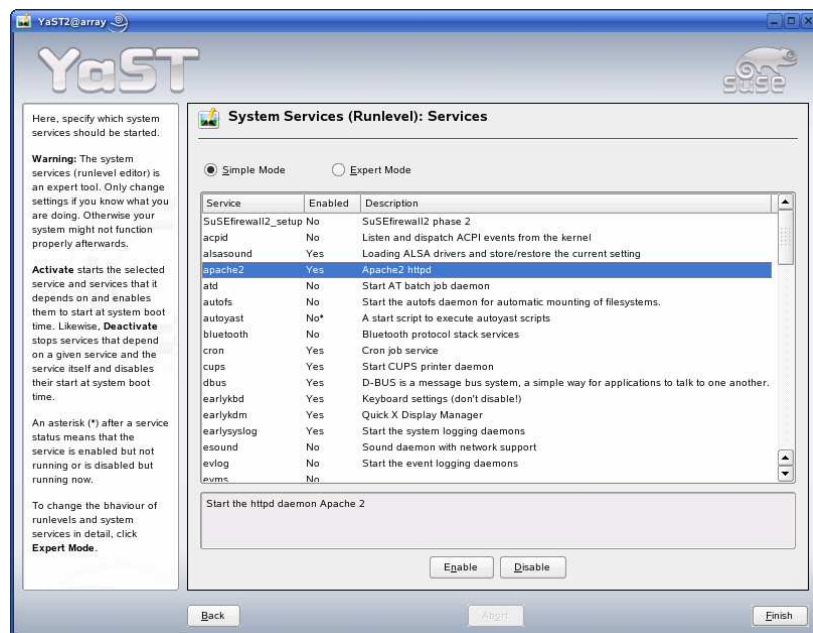
```
/etc/init.d/apache2 restart
```

Starting Apache and MySQL automatically.

Launch YaST and click on the “*System Services (Runlevel)*” icon under the “*System*” category:



In the system services editor, select the “*Apache2*” service and click on *Enable*. Next, scroll down the list and select the *MySQL* service and click *Enable*. This will start both processes (if they are not already started) and also configure them to start automatically whenever the machine is rebooted.



Finally, click *Finish*.

Testing your Installation

If you followed all of the instructions above then you can now test your configuration by opening *Internet Explorer* and going to the following location:

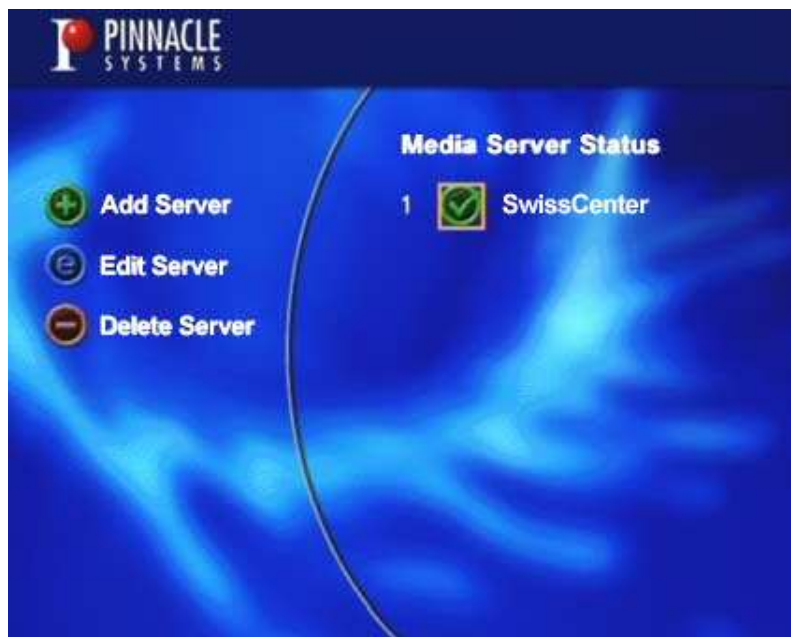
<http://localhost:8080/config>

If all is well, then you will see the SwissCenter Configuration Utility appear:

The screenshot shows a Microsoft Internet Explorer window with the address bar set to `http://localhost:8080/config`. The page title is "SwissCenter Configuration Utility". On the left, there is a sidebar with a red button labeled "Create Database". The main content area has a heading "Create Database" in orange. Below the heading, a paragraph states: "This screen allows you to create and populate the SwissCenter database. The parameters that will be used to build the database are shown below." There are five input fields with labels: "Machine Name" (containing "localhost"), "Database Name" (containing "swiss"), "Username" (containing "swisscenter"), "Password" (containing "swisscenter"), and "Root Password" (empty). Below these fields, a red note reads: "Unless you entered a value for the root password during the installation of MySQL, then it is probably not set and you should leave this field blank." Below the note, a blue note reads: "Please Note: Creating the database can take several minutes to complete. Please be patient." At the bottom of the form is a button labeled "Create Database". The status bar at the bottom of the browser shows "Done" and "Local intranet".

Configuring the Showcenter to use the SwissCenter Interface.

When you turn on your Showcenter box, it will not automatically detect the SwissCenter interface, and so you need to manually add it. On the screen that first appears (shown below) move the cursor over to the **Add Server** button and press **OK** on the remote control.



Using the numeric keys on the remote control, enter a **Name** for the server (eg: SwissCenter) and then the **IP address** of the computer that you installed the SwissCenter software onto, making sure to add **":8080"** onto the end of the IP address. Also ensure that the **Always connect to this server** option is checked before clicking **Save**.



You can find out your IP address by clicking **Start > Run** and entering **cmd** into the dialog box that appears. Pressing **OK** will then bring up a command window into which you should type **ipconfig** and press return. Your IP address will then be displayed on the screen.



Configuring the SwissCenter Interface

The configuration of the SwissCenter Interface is identical regardless of which operating system you installed the software onto as it uses a web-based front-end. A more detailed guide on how to configure the SwissCenter is available online at www.swisscenter.co.uk, however the basic steps for getting the SwissCenter up-and-running are as follows:

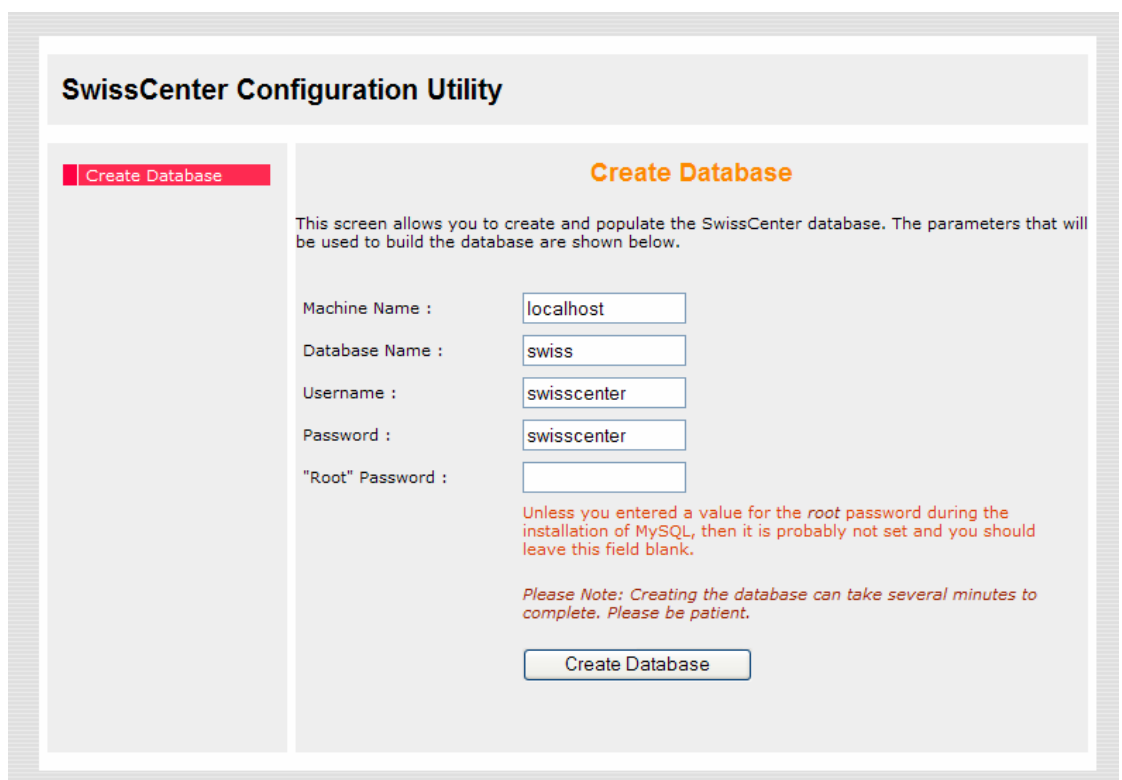
Step 1

Go to the *SwissCenter Configuration Utility* by entering the following URL into *Internet Explorer*:

<http://localhost:8080/config>

Step 2

As this is the first time you have run the utility, you do not have a database containing all the SwissCenter configuration and therefore you should click on the menu option "*Create Database*".



The screenshot shows the 'SwissCenter Configuration Utility' web interface. On the left, there is a sidebar with a red button labeled 'Create Database'. The main content area has a title 'Create Database' in orange. Below the title, a paragraph states: 'This screen allows you to create and populate the SwissCenter database. The parameters that will be used to build the database are shown below.' There are five input fields: 'Machine Name' (containing 'localhost'), 'Database Name' (containing 'swiss'), 'Username' (containing 'swisscenter'), 'Password' (containing 'swisscenter'), and '"Root" Password' (empty). Below these fields, a red note says: 'Unless you entered a value for the root password during the installation of MySQL, then it is probably not set and you should leave this field blank.' Below that, another red note says: 'Please Note: Creating the database can take several minutes to complete. Please be patient.' At the bottom right, there is a 'Create Database' button.

By default, MySQL will be configured without a root password and so you should just click on the *Create Database* Button. Please note that this can take approximately 60 seconds to complete.



If you are using an existing MySQL installation which has a root password assigned, then you will need to enter it in the form.

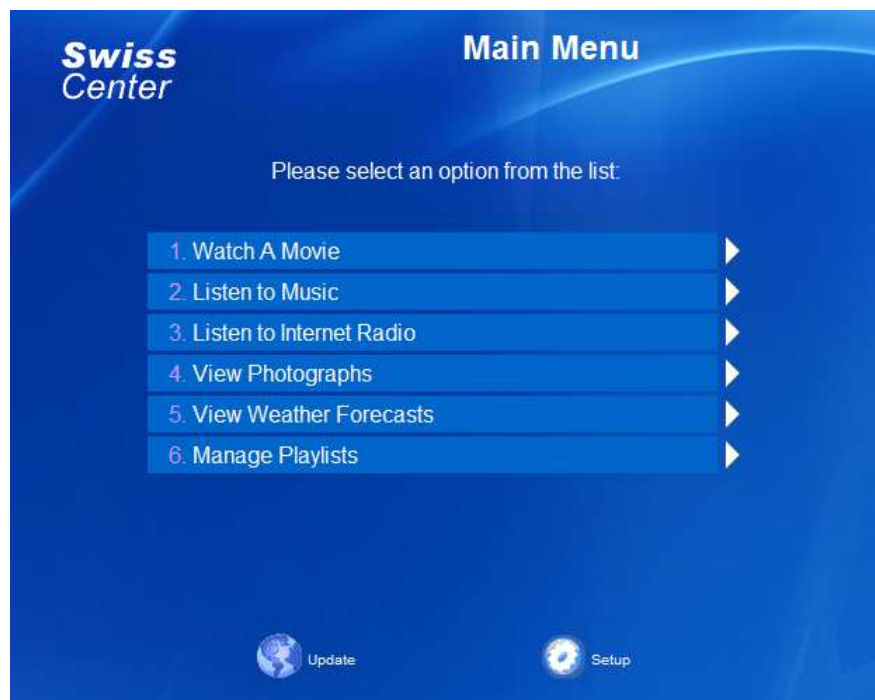
Step 3

When the database has been created, click on the “*Media Locations*” option in the menu and you will be taken to the screen shown below. This is where you specify the locations of the media files that you want to make available via the SwissCenter interface.

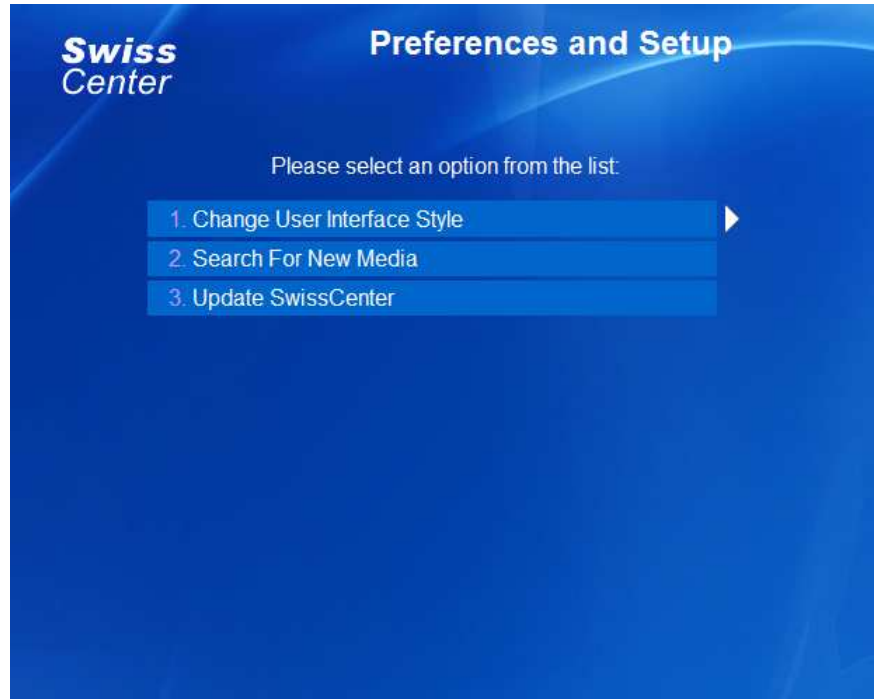
The screenshot shows the 'SwissCenter Configuration Utility' window. On the left is a vertical menu with options: 'Create Database' (highlighted in red), 'Categories', 'Media Locations' (highlighted in orange), 'Scheduled Tasks', 'Connectivity', 'Album/Film Art', 'Playlists Location', 'Image Cache', 'Privacy Policy', and 'Support Info'. The main area is titled 'Current Media Locations' and contains a message 'There are no items to display' above a 'Remove Selected Locations' button. Below this is the 'Add A New Location' section, which includes three input fields: 'Media Type' (dropdown menu with '- Please Specify -'), 'Category' (dropdown menu with '- Please Specify -'), and 'Location' (text box). Below the 'Location' field is a red instruction: 'Please specify the fully qualified directory path where the media can be found'. An example is provided: 'For example: On Windows this might be "C:\Documents and Settings\Robert\My Documents\My Music" or on a LINUX system it might be "/home/Robert/Music"'. At the bottom of this section is an 'Add Location' button.

Select the type of media files that you would like the SwissCenter to search for, the Category in which they should appear and the location where the files can be found, then click on *Add Location*. You can add as many locations as you wish.

Finally, you need to instruct the SwissCenter to search for new media in the locations that you have just added. This is done on the ShowCenter itself, so switch it on and you should see the following screen:



Navigate down to the “Setup” icon using the remote control and select it. You will now be presented with the Setup options:



Navigate down to the “Search For New Media” option and select it. The media search will begin and you will see the following screen:



That's it... you can now start using your SwissCenter!