User Inputs for Installation

This appendix provides information on the user inputs during LMS 4.2 installation.

Note
For information on the Installation of LMS 4.2, see Performing Installation of Cisco Prime LMS 4.2.

This appendix contains:
- User Inputs for LMS Installation
- Password Information
- Installing VMware Tools

User Inputs for LMS Installation

This section contains:
- User Inputs for New Installation
- User Inputs for Reinstallation

User Inputs for New Installation

Enter the following information while installing for the first time:

Table A-1 User Inputs for a New Installation

<table>
<thead>
<tr>
<th>Settings</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destination folder</td>
<td>The default location is System drive:\Program Files\CSCOpx. Select another location if you want to install in a specific location. We recommend that you specify a short path for the destination folder.</td>
</tr>
<tr>
<td>Login Password (Mandatory)</td>
<td>No default values. Enter the login password. For more information on passwords, see Password Information.</td>
</tr>
<tr>
<td>Database Password</td>
<td>No default values. You can use login password as database password or a random system generated password is provided.</td>
</tr>
</tbody>
</table>
**Important Note for Configuring Port Numbers**

On a Windows system, if you are using HPOV as your third party NMS application, you would require the IIS service to be enabled for HPOV to install and run. The IIS web server runs on SSL port 443, which is the default port for the LMS web server when installing LMS. To avoid a conflict, you should change the SSL port number of the LMS web server from 443 to another port that is available, and that has a number in the range 1026 to 65535, except 6000. Port number 6000 is reserved by Firefox, if you enter 6000 as the SSL port number, after installation (for all the three operating systems), you will not be able to launch LMS using the Firefox browser.

**User Inputs for Reinstallation**

Enter the following information during an upgrade installation in Custom mode:

<table>
<thead>
<tr>
<th>Settings</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Backup folder</strong></td>
<td>Enter a folder for the backup data. You can also browse and select a folder.</td>
</tr>
<tr>
<td><strong>Password for users admin and guest</strong> (Optional)</td>
<td>You may change the passwords for the admin and guest users. To keep the existing passwords, leave the fields blank. In the upgrade scenario, you cannot enter the Eval license inputs. Only Purchase license inputs are applicable. For more information on passwords, see Password Information</td>
</tr>
<tr>
<td><strong>Password for system identity account</strong> (Mandatory)</td>
<td>No default values. Enter the System Identity Account password. For more information on passwords, see Password Information. If you are upgrading from LMS 2.6 and LMS 2.6.1, you can either retain the existing password or enter a new password.</td>
</tr>
<tr>
<td><strong>Password for the user casuser</strong> (Optional)</td>
<td>If you do not enter a password, the setup program will generate a random password for you. If casuser does not exist, it will be created. However, this is not applicable for Solaris.</td>
</tr>
<tr>
<td><strong>Password for the Common Services Database</strong> (Optional)</td>
<td>Leave the fields blank to use the existing password.</td>
</tr>
</tbody>
</table>
Password Information

This section contains:

- LMS Login and Database Passwords
- LMS Login and Database Passwords
- Changing LMS Admin Password
- Changing casuser Password
LMS Login and Database Passwords

While entering LMS Login and Database passwords:

- Use a minimum of five characters and a maximum of 15 characters.
- Do not start the password with a number.
- Do not insert spaces between characters.
- Do not use any special characters.

Changing LMS Admin Password

You can change your LMS Admin password by using either the LMS user password recovery utility or from the GUI, if you want to change it.

- Changing Admin Password Using Password Recovery Utility
- Changing Admin Password From GUI

Changing Admin Password Using Password Recovery Utility

You can change the LMS user password using the LMS user password recovery utility.

To change the user password on Solaris:

**Step 1** Set the LD_LIBRARY_PATH manually. The path is to be set as follows:

```
setenv LD_LIBRARY_PATH /opt/CSCOpx/MDC/lib:/opt/CSCOpx/lib
```

This environment variable set is applicable to the current working shell only.

Now, you can change the password using the LMS user password recovery utility.

**Step 2** Enter `NMSROOT/bin/ResetPasswd.pl username` at the command prompt.

Here `NMSROOT` refers to the LMS Installation directory.

A message appears:

```
Enter new password for username:
```

**Step 3** Enter the new password.

To change the user password on Windows:

**Step 1** Enter `NMSROOT\bin\ResetPasswd.pl username` at the command prompt.

A message appears:

```
Enter new password for username:
```

To change the user password on Soft Appliance:

**Step 1** Enter `NMSROOT/bin/ResetPasswd.pl username` at the command prompt.
Here *NMSROOT* refers to the LMS Installation directory.

A message appears:

Enter new password for username:

**Step 2** Enter the new password.
Changing Admin Password From GUI

To change the LMS admin password from the LMS server:

**Step 1** Login as admin user.

**Step 2** Select Admin > System > User Management > Local User Setup.

The Local User Setup page appears.

**Step 3** Click Modify My Profile.

The My Profile pop-up window appears.

**Step 4** Enter the password in the Password field.

**Step 5** Re-enter the password in the Verify field.

**Step 6** Enter the e-mail ID in the E-mail field.

**Step 7** Click OK.

Changing casuser Password

You can change the casuser password using `resetCasuser.exe`.

To change the casuser password, do the following:

**Step 1** At the command prompt, enter:

```
NMSROOT\setup\support\resetCasuser.exe
```

Three options are displayed:

1. Randomly generate the password
2. Enter the password
3. Exit.

**Step 2** Enter 2, and press Enter.

A message appears, prompting you to enter the password.

**Step 3** Confirm the password.

You must know the password policy. If you enter a password that does not match the password policy, the application exits with an error message.
Installing VMware Tools

To install VMware tools in a LMS Virtual Appliance:

**Step 1** Ensure that your LMS Virtual Appliance is powered on.

**Step 2** Right click on the LMS Virtual Appliance VM, then select Guest > Install/Upgrade VMware Tools and click OK.

**Step 3** Enable the root shell.

**Step 4** Create a mount point.

```
mkdir /mnt/cdrom
```

**Step 5** Mount the CDROM.

```
mount /dev/cdrom /mnt/cdrom
```

**Step 6** Copy the VMware tools tar ball to a local temporary location.

```
 cp /mnt/cdrom/VMwareTools-<version>.tar.gz /tmp/
```

where `<version>` is the VMware tools package version.

**Step 7** Go to tmp directory and extract the tar file.

```
 cd /tmp
 tar -zxvf VMwareTools-<version>.tar.gz
```

**Step 8** Change the directory to vmware-tools-distrib and run the vmware-install.pl PERL script to install VMware tools.

```
 cd vmware-tools-distrib
 ./vmware-install.pl
```

Follow the screen prompts to install the VMware Tools.

Options in square brackets are default choices and can be selected by pressing Enter.

**Note**
- It is normal for the console screen to go blank for a short time during the installation when the display size changes.
- Some warnings or errors are normal, when a files does not exist.
- Your network service might restart after installation. So the recommendation is to invoke this command from the console and not remotely.

**Step 9**Unmount the CDROM.

```
 umount /mnt/cdrom
```
Step 10  Manually end the VMware tools installation process. To end the process, click VM in the virtual machine menu, then click Guest > End VMware Tools Install.

The Install/Upgrade Tools window appears.

Step 11  Remove VMware tools installation packages.

```bash
cd /tmp
rm /tmp/VMwareTools-<version>.tar.gz
rm -rf /tmp/vmware-tools-distrib
```

Note  LMS 4.2 supports only the binary installation of VMware tools in a LMS Virtual Appliance.

Few benefits of installing VMware tools in LMS Virtual Appliance is as follows.

- Allows you to shutdown/reboot the guest cleanly.
- Passes messages from the host operating system to the guest operating system.
- Sends a heartbeat to a VMware Server, if you use the virtual machine with VMware server.
- Better time synchronization between the guest and host.