



XSM for UNIX/Linux Setup Guide

This documentation applies to XSM 7.00 for Linux x86-64 and IBM AIX POWER 64-bit.

1) Download

Download XSM from

<https://www.hhns.fr/products/xsm/download/>

Select Linux x86-64 or IBM AIX POWER 64-bit.

XSM 7.00 is 64-bit only.

The current release is XSM 7.00 (August 1, 2026).

Put the tar.gz on your the target UNIX/Linux system using SCP/SFTP or another suitable method.

If the target system has Internet access, you can also copy the download link and use wget:

Example :

```
$ cd /tmp
```

```
$ wget https://www.hhns.fr/products/xsm/download/current/XSM-7.00-linux-x86_64.tar.gz
```

2) Activation

Log in to UNIX/Linux with a standard user account.

Go to /tmp and unpack the downloaded archive:

```
$ cd /tmp
$ tar xvzf <XSM-7.00-archive>.tar.gz
```

If your tar does not handle gzip directly:

```
$ gzip -d <XSM-7.00-archive>.tar.gz
$ tar xvf <XSM-7.00-archive>.tar
```

Then change to the directory created by the archive.

```
$ cd <XSM-7.00-directory>
```

The package contains, among other files:

```
hxsm700*      : XSM 7.00 64-bit program
hhnsinst700*  : XSM 7.00 64-bit activation utility
documentation, samples and guided demo files
```

XSM binary is ready to run ; no install needed ; only initial activation

You may create a symbolic link named hxsm to keep a stable command name in your scripts.

You may place the binaries in /usr/local/bin for system-wide access, or in a user directory such as \$HOME/bin.

Root privileges may be required only when copying files into a system directory such as /usr/local/bin.

3) Software Key Activation

Run once the HH&S activation utility against the XSM binary:

```
$ ./hhnsinst700    ./hxsm700
```

(Adapt the exact filenames to the platform you downloaded.)

Result should be :

```
Program 'hxsm700...' successfully installed
```

Then run XSM without parameters:

```
./hxsm700
```

XSM shows its Serial Number (here in **bold**):

```
Thanks for testing the 'HHNS Sort/Merge Program PRO - V.7' Program
```

```
If you wish to register for the 'HHNS Sort/Merge Program PRO - V.7' Product on THIS machine,  
just contact HHNS with the following registration key :
```

```
0024-0505-9268-G
```

```
For further information: https://www.hhns.fr, email: support@hhns.fr
```

```
Please press Enter to continue
```

Copy this Serial Number and connect to XSM Extranet site:

<https://www.hhns.fr/extranet/xsm/>

Log-in with your account info (code+password).

If you don't have an account yet, just create one ; account codes will be send immediately by email.

If you lost your code/password, send us a mail support@hhns.fr

Now click on 



XSM Client Extranet

login: MYD397 15/08/26 18:42:16 mode: Authenticated user TTL: 600

[Home](#) | [XSM Home](#) | [Logout](#) | [XSM Key management](#) | [Help](#) | 

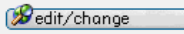
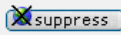
Client Base MYDEMO XSM

Display ☐ Reconduction history ☐ Obsolete keys Key duration : all

**MYDEMO** Location : My Demo Account : MYD397

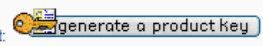
112233 DEMOTOWN 
Tel: +99 12345678
Fax:

Onsite contacts :
• John Smith - CIO - john@mydemo.aq
Account created on 2026-08-15 18:42:11

Hostname	OS	XSM version	Activation Key			Use for	
			Temp	Permanent	Obsolete	PROD	Non-PROD
Total:			0	0	0	0	0

Tips:
Ok, you have created an XSM account but you haven't generate any software activation keys yet.
Now You should click on button below to generate a software activation key !

No product keys - Click on next button to generate software activation key for a new host. 

Fill in the necessary fields:

The screenshot shows the 'XSM Client Extranet' web interface. At the top left is the 'Henri Henault & Sons' logo. The main header displays the login information: 'login: MYD397 15/08/26 18:42:16 mode: Authenticated user TTL: 181'. Below this is a navigation bar with links: 'Home | XSM Home | Logout | XSM Key management | Help |'. A button labeled 'generate a product key' is visible. The page title is 'Key generation for client MYDEMO - My Demo (MYD397)'. Below the title, it says 'Last stable release : 7.00'.

Product	Version	System	Key type	Serial Number	Date	Expiration
XSM	7.00	Linux x86	Evaluation	0051 - 1985 - 4254 - L	2026-08-15	1 month

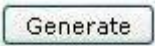
Below the table, there are fields for 'Hostname' (Mylinux1), 'Use' (Test), and 'Comments' (Can't wait to test this software!). At the bottom of the form are three buttons: 'Back to list', 'Reset', and 'Generate' (which is highlighted with an orange box).

Nota Bene :

- In Evaluation mode, you can generate 30 days activation keys ; you will be able to reconduct each key 2 times, which is 30 + 30 + 30 = 90 days max. evaluation.
- In Evaluation mode, you can generate as many keys as machines you have
- For a single period longer than 30 days, key mode will turn to Production. You then need to purchase a software license.

In this example :

Version: 7.00
System: Linux x86-64
Key type: Evaluation (for temporary activation keys)
Serial Number: the one you carefully noted ...
Expiration: 1 month (permanent keys are delivered by HH&S upon purchase)
Hostname: (to get it, run `uname -n` or `hostname`)
Comments: Whatever ...

Then click  :

The web page shows the generated key and the command to activate the key:

```
hhnsinst700 hxsm700 1234-5678-9012-3456-A
```

Copy/paste and execute command onto your Unix/Linux box.

Following message should show :

```
Program 'hxsm700' successfully installed
```

Now just run XSM without parameters, it should display its help.

You're done !

Doc index (instal, Faq, user guide, demo, samples) <https://www.hhns.fr/products/xsm/doc/>

Reference guide : <https://www.hhns.fr/xsm/en/xsmqref.php>

Nota:

Once activated, you can copy/paste/rename it/use symbolic links the way you want.

But remember it will run only on the operating system it has been activated for.

You will need a new activation key on any system you copy XSM to.

Platform Specific:

- Generated Serial Numbers are bound to hardware/software.
- If you copy an activated XSM binary to another system, then you will need to re-run the install process (hhnsinst, then generate a new key on XSM extranet)
- Linux/Windows Virtual Machine on **VMWare/ESX** : the Serial Number is bound to the VM ; You can move the VM to another ESX, XSM activation will be Ok ; VMotion is supported.
- AIX LPAR: XSM 7.00 is qualified for AIX 7.2 or later on POWER 64-bit. Activation remains associated with the target system; Live Partition Mobility remains compatible according to XSM licensing rules.

Troubleshooting:

If set-up fails, please check this list :

1. using FTP, are you sure you copied XSM binaries in binary mode ?
2. Are you sure the command prompt was positionned in the directory containing the modules ?
3. Did you rename the binaries ? if so, did you type the correct file names ?

Syntax :

```
[path/]Install_module [path/]target_module
```

Example :

```
./hhnsinst700 hxsm700
```

4. Did you use same versions for install_module and target_module ?

Example :

```
hhnsinst700 hxsm700           will work fine
hhnsinst694 hxsm700           will not work: XSM versions are mixed
hhnsinst700_32 hxsm700_64     will not work: XSM 7.00 is 64-bit only
```

If you have downloaded different versions, search your disk(s) to check another old version is not in another directory specified in \$PATH, which could cause confusion.

5. Linux: XSM 7.00 requires glibc 2.34 or later.

Check the system glibc level before downloading:

```
$ ldd --version
```

The download page lists the currently qualified Linux systems.

XSM 7.00: Debian 12+, Ubuntu 22.04 LTS+, RHEL/Rocky/AlmaLinux 9/10.

6. Do you have Read/Write rights on target_module ?

Try to copy/delete or rename hxsm700 to check.

For any question, please contact us support@hhns.fr