Nuxeo CMF 1.x

Installation Guide

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Nuxeo CMF Installation Guide

Welcome to the Nuxeo CMF Installation Guide.

You have just downloaded Nuxeo Case Management Framework 1.x, now how do you try it on your computer?

Nuxeo CMF can be installed on any computer, provided that Java is installed. Installing Nuxeo CMF requires 3 simple steps:

1. Install the downloaded package,
2. Start the server,
3. Connect to Nuxeo CMF in a web browser.

Once Nuxeo CMF is installed, you may want to install some additional resources used for some features.

In this page, we explain how to quickly install and start the different Nuxeo CMF packages available for download:

- Install Nuxeo CMF on Windows
    - How to Install Nuxeo CMF with the Windows installer
    - How to Install Nuxeo CMF from the ZIP archive
    - How to start Nuxeo CMF on Windows
- Install Nuxeo CMF on Linux
    - How to install Nuxeo CMF the ZIP package
    - How to Install Nuxeo CMF from the APT repository for Debian and Ubuntu
    - How to install Nuxeo CMF with the Debian package
    - How to start Nuxeo CMF on Linux
- How to Install Nuxeo CMF on Mac OS

> ⚠ By default, you cannot run two Nuxeo applications at the same time. If you want to run two Nuxeo applications at the same time (for instance a Nuxeo DM and a Nuxeo DAM), you need to change the default port used by the Nuxeo server.

Install Nuxeo CMF on Windows

Depending on the version and distribution of Nuxeo CMF you downloaded, you can have:

- a .exe file (Windows specific installer)
- a .zip file (simple archive, multi-OS compliant)

How to Install Nuxeo CMF with the Windows installer

Here are the steps to install Nuxeo CMF using the Windows installer.

> To install the application using the Windows installer (.exe), double-click on the .exe installer you downloaded and follow the instructions displayed.
>
> > ⚠ **CMF 1.7**
> > On Windows 7, because of rights issues, it is highly recommended to install your Nuxeo application at the root of C: in order for your application to restart correctly at the end of the startup wizard steps.
>
> You can then start Nuxeo CMF.

How to Install Nuxeo CMF from the ZIP archive

Here are the steps to install Nuxeo CMF using the ZIP archive.

Unzip the .zip archive using your favorite tool.

> ⚠ **CMF 1.7**
> On Windows 7, because of rights issues, it is highly recommended to install your Nuxeo application at the root of C: in order for your application to restart correctly at the end of the startup wizard steps.

You can then start Nuxeo CMF.

How to start Nuxeo CMF on Windows

1. Open the Nuxeo Control Panel.

   > ⊘ Depending on how you installed your application, you can open the Nuxeo Control Panel in two different ways. See below for the appropriate command.

   The Nuxeo Control Panel opens.
2. Click on the **Start** button.
   Starting the Nuxeo server takes between 30 sec and several minutes, depending on your hardware and the distribution you have chosen to install.
   When the server is started, the **Start** button becomes a **Stop** button.
3. Open a browser and type the URL http://localhost:8080/nuxeo/.

- On Nuxeo CMF 1.0 to 1.6, you can directly log in to your application the **Administrator** user name and the **Administrator** password and start using your application.
- On Nuxeo CMF 1.7, you need to set up your application's configuration using the displayed startup wizard.

How to open the Nuxeo Control Panel

Nuxeo CMF package	Command
zip package of Nuxeo CMF 1.0 to 1.6	In the folder `C:\Nuxeo application\bin`, double-click on NuxeoCtl.exe.
zip package of Nuxeo CMF 1.7	In the folder `C:\Nuxeo application\bin`, double-click on nuxeoctl.bat.

> ⓘ On Windows 7, you need to run the nuxeoctl.bat and Start Nuxeo.bat commands as an administrator if you haven't installed your Nuxeo application at the root of `C:` (for instance in `C:\Program Files`). To run them as an administrator, right-click on the command and click on "Run as administrator".

On Windows, it is possible to start Nuxeo as a service. Please report the Install the application as a Windows service page for guidelines and examples.

Install Nuxeo CMF on Linux

You can install Nuxeo CMF on Linux in three different ways:

- from the downloaded zip archive,
- from APT sources for Debian,
- from the downloaded Debian package.

How to install Nuxeo CMF the ZIP package

1. Unzip the downloaded ZIP file using your favorite tool.
   You can then start Nuxeo CMF.

How to Install Nuxeo CMF from the APT repository for Debian and Ubuntu

Installing Nuxeo CMF using the APT sources for Debian installs and configures Nuxeo CMF, but it also

installs all required dependencies for an optimal use of the application.

1. Activate `multiverse` and `partner` sources for JDK Sun install and other third parties:
   a. Click on `System/Administration/Software Sources`.
   b. Check the `multiverse` and `partner` sources.
2. Add the Nuxeo key:
   - Download the Nuxeo key and import it in the "Authentication" tab.
   - Or, in a terminal, issue:

   ```
   wget -q -O- http://apt.nuxeo.org/nuxeo.key
   | sudo apt-key add -
   ```

3. Add the Nuxeo source:
   - In the "Other Software" tab, add "`deb http://apt.nuxeo.org/ lucid releases`" to the software sources.
   - Or issue the following commands in a terminal:

   ```
   sudo add-apt-repository "deb
   http://apt.nuxeo.org/ lucid releases"
   sudo apt-get update
   ```
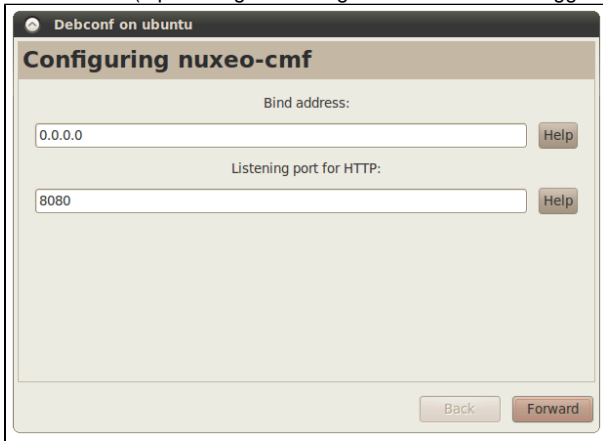
4. Install Nuxeo CMF:
   - Click on apt://nuxeo-cmf
   - or, in a terminal, issue:

   ```
   sudo apt-get install nuxeo-cmf
   ```

5. Follow the instructions displayed.
   If it's your first install of Nuxeo CMF, you can configure:
   - the bind address,
   - the port,
   - the database (a preconfigured PostgreSQL database is suggested by default).

The application is installed as a service. It is automatically started and set to automatically start at boot.

Installation details
Here are some information of the installation's configuration:

- application: opt/nuxeo-cmf
- Configuration file (nuxeo.conf): etc/nuxeo-cmf/nuxeo.conf
- logs: var/log/nuxeo-cmf
- data: var/log/nuxeo-cmf

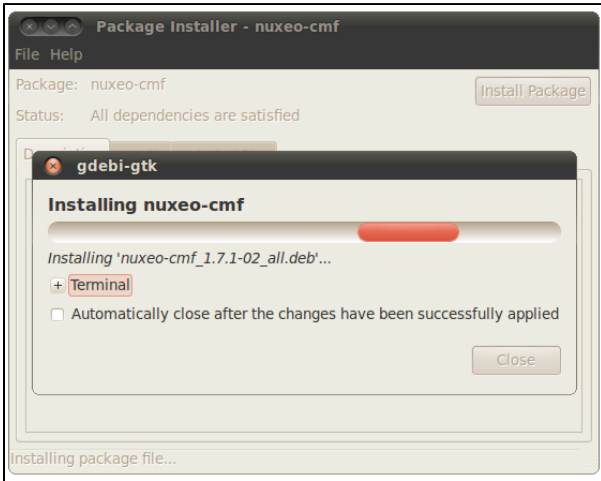# How to install Nuxeo CMF with the Debian package

A Debian installer (.deb) is available for download. This installer enables you to configure your application at the time of installation and to install it as a Debian service directly.

To install Nuxeo DAM using the Debian package:

Double-click on the downloaded .deb file and follow the instructions displayed. If it's your first install of Nuxeo DAM, you can configure:

- the bind address,
- the port,
- the database (a preconfigured PostgreSQL database is suggested by default).

The application is automatically installed as a service and immediately started and set to automatically start at boot.

The installation's configuration (where to find the configuration file, logs etc) are the same as for the APT sources installation.

How to start Nuxeo CMF on Linux

For a Nuxeo DAM installed from the zip archive:

1. Launch a terminal and go to your installation directory.
2. Start the server using the `nuxeoctl` script (located in the `bin` directory):

```
./bin/nuxeoctl gui
```

> ✓ The command used to launch the Control Panel may not be executable by default. If it is the case, in the terminal go to the `bin` directory of Nuxeo and type the line below to be able to use it:
> `chmod +x *.sh *ctl`

The Control Panel opens.
3. Click on the **Start** button.
   Starting the Nuxeo server takes between 30 sec and several minutes, depending on your hardware and the distribution you have chosen to install.
   When the server is started, the **Start** button becomes a **Stop** button.
4. Open a browser and type the URL http://localhost:8080/nuxeo/.

- On Nuxeo CMF 1.0 to 1.6, you can directly log in to your application the **Administrator** user name and the **Administrator** password and start using your application.
- On Nuxeo CMF 1.7, you need to set up your application's configuration using the displayed startup wizard.

How to Install Nuxeo CMF on Mac OS

To install Nuxeo CMF on Mac OS, you need the .zip package.

Step 1: Install Nuxeo CMF

1. Unzip the downloaded ZIP file using your favorite tool.

Step 2: Start Nuxeo CMF

1. From the Finder, click on "Start Nuxeo.command". You can also drag and drop the start script in the terminal and press Enter.

   > ✅ The command may not be executable by default. If it is the case, in the terminal go to the `bin` directory of Nuxeo and type the line below:
   > `chmod +x *.command`

   The Control Panel opens.
2. Click on the **Start** button.
   Starting the Nuxeo server takes between 30 sec and several minutes, depending on your hardware and the distribution you have chosen to install.
   When the server is started, the **Start** button becomes a **Stop** button.
3. Open a browser and type the URL http://localhost:8080/nuxeo/.

- On Nuxeo CMF 1.0 to 1.6, you can directly log in to your application the **Administrator** user name and the **Administrator** password and start using your application.
- On Nuxeo CMF 1.7, you need to set up your application's configuration using the displayed startup wizard.

> ✅ See the Nuxeo CMF User Guide to discover all Nuxeo CMF features.

Download
📄 Download this documentation in PDF.

Detailed install instructions
• Some requirements before you start: Check java version and install it if needed • Set up additional resources: Install external software you may need for a comprehensive experience of Nuxeo CMF.

Join the Nuxeo community
• Use our discussion forum to share your experiences, connect to other users and get help • Subscribe to the ECM list to stay informed about the evolution of the platform • Follow us on LinkedIn, Facebook and Twitter.

Some requirements before you start

Nuxeo CMF can run on Windows, Mac OS X and Linux distributions.

Nuxeo CMF is available in a zip package (.zip extension) for all operating systems.

Nuxeo CMF is fully based on Java. This means that Nuxeo can easily be deployed on any platform with a Java Runtime Environment (JRE).

Either Java 1.5 (also called Java 5) or Java 1.6 (also called Java 6) is required. Java 6 is the preferred version, if you have the choice.

> ✅ The Java Runtime Environment (JRE) is enough to run the product, the Java Software Development Kit (SDK) is only necessary if you plan to do some development.

> ⚠️ We recommend Sun's JRE and do not support other JREs.
> Don't hesitate to contact us if you need us to support a JRE from another vendor, such as JRockit from Oracle or the IBM JRE.

Check Java version

To check that you have the right version of Java

1. Open a terminal :
   - In Windows: press "windows" + r, type "cmd" in the run window and press "OK" or open the Prompt command from "Start > Programs > Accessories" menu.
   - In Linux or Mac OS: open a terminal.
2. Type "`java -version`" and press "Enter".
   If Java is installed on your computer, the name and version of your Java virtual machine is displayed:

```
                   Terminal — bash — 80×24

Last login: Tue May 11 08:20:56 on console
iBlonde:~ solenguitter$ java -version
java version "1.6.0_17"
Java(TM) SE Runtime Environment (build 1.6.0_17-b04-248-10M3025)
Java HotSpot(TM) 64-Bit Server VM (build 14.3-b01-101, mixed mode)
iBlonde:~ solenguitter$
```

If Java is not installed on you computer, it fails to display the java version. If this is the case, you need to install Java.

Install Java

For Windows users

If the required version of Java is not installed on your computer:

1. Download it from Sun website: choose
   - "Java SE Runtime Environment"
   - then, the appropriate configuration for your hardware and Windows version.
2. Run the downloaded .exe file.

For Linux users

On a modern Linux distribution, you can now install Java 6 with the packaging system of your distribution (using rpm, apt, yum, etc.).

If a JRE or SDK from Sun (or the OpenSDK) is not available for your OS, you can still download it from Sun using the same instructions as for Windows users.

For Mac OS users

An appropriate version of Java should already be installed on your computer if you are using either Mac OS X Leopard (Java 5) or Snow Leopard (Java 6).

Run "`export JAVA_HOME=/System/Library/Frameworks/JavaVM.framework/Home`" after having checked it's actually there.

Configuration

Mailbox synchronization

Synchronization is triggered when the event 'syncMailbox' occurs. Default configuration is available in 'org.nuxeo.cm.schedule' component. The event is programmed for 1 am every day. If you don't need synchronization, you have to remove or modify cm-sync-scheduler-config.xml in templates/cmf/config :

```xml
<?xml version="1.0"?>
<component name="org.nuxeo.cm.schedule.custom.contrib">

<require>org.nuxeo.cm.schedule</require>

  <extension
    target="org.nuxeo.ecm.platform.scheduler.core.service.SchedulerRegistryService"
    point="schedule">

  <documentation>
    Change the frequence of syncMailbox event so it is triggered
    at 01:00am on the last day of every month.
    Details about the cronExpression syntax can be found here:
    [http://www.quartz-scheduler.org/docs/tutorials/crontrigger.html]
  </documentation>

  <schedule id="syncMailbox">
    <username>Administrator</username>
    <password>Administrator</password>
    <eventId>syncMailbox</eventId>
    <eventCategory>cmSync</eventCategory>
    <cronExpression>0 0 1 L * ?</cronExpression>
  </schedule>

  </extension>
</component>
```

Synchronization Service

Default configuration will synchronize user and group directories.
If you need to deactivate one of them, or change the mailbox titles are generated, you need to override default configuration. Simply add an xml file like cm-sync-mailbox-custom-config.xml in your template folder with the following content:

```
<?xml version="1.0"?>
<component name="org.nuxeo.cm.service.synchronization.contrib.custom">

  <require>org.nuxeo.cm.service.synchronization.contrib</require>
  <extension
target="org.nuxeo.cm.core.service.synchronization.MailboxSynchronizationService"
point="directoryToMailbox">

  <!-- deactivate user synchronization -->
  <userToMailbox enabled="false" />

  <!-- use a custom title generator for group synchronization -->
  <groupToMailbox>

<titleGenerator>com.company.project.cmf.synchronization.CustomGroupMailboxTitleGenerat
or</titleGenerator>
  </groupToMailbox>

  </extension>

</component>
```

If you need more details on synchronization implementation, please visit the Mailbox synchronization page .

Nuxeo DM and Nuxeo CMF

Working with the same repository

Deployment

Nuxeo CMF is a framework based on Nuxeo Enterprise Platform (EP). That means that all the features available on a Nuxeo DM instance are available or can be easily integrated to CMF.
Despite that, an interesting use case might be to have 2 separate instances , one DM and one CMF running on the same repository.
For this configuration, the clustering needs to be enabled on the 2 servers.
The documentation to enable the clustering can be found here: Nuxeo clustering configuration.
We also need to have the same document types available on both instances and a common structure of the root documents.
For this you need to deploy the following CMF jars on DM:

- nuxeo-case-management-api
- nuxeo-case-management-core
- nuxeo-case-management-lang

By default the , we have the following structure for the Default Domain :

Case Management

-CaseRoots

-MailboxRoots

-SectionRoots

If you need to modify it , in order to make available for example the Workspaces root (as in standard DM), you should ovveride the contentTemplate defined in cm-content-template-contrib.xml and deploy your contribution on both instances.