★ (/xwiki/bin/view/Main/) ▼ / Documentation (/xwiki/bin/view/Documentation/) ▼ / Administrator Guide (/xwiki/bin/view/Documentation/AdminGuide/) ▼ / Access Rights (/xwiki/bin/view/Documentation/AdminGuide/Access%20Rights/) ▼

Access Rights

Last modified by Xavier Richard (/xwiki/bin/view/XWiki/xrichard) on 2018/11/02

Basic rules

- XWiki provides the ability to set wiki wide rights, granular page level rights and the ability to have programmatic rights, in case you need more control. Thanks to the different levels of control offered by XWiki, it's easy to manage the access to actions like: read, write, comment etc.
- You can create groups of users in order to manage the rights of a category of people more easily.
- Permissions set at a wiki wide level will be overridden by permissions set at a page level, which have priority.

Contents

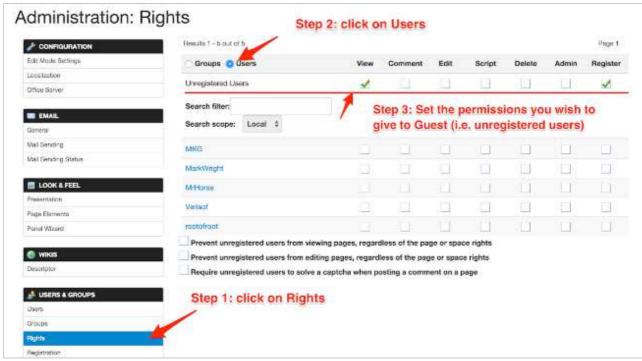
- · Basic rules
- Wiki Access Configuration
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- Page Access Rights
 - Setting Rights for a Page and Its Children
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- · Further Reading
- When multiple permissions are set at the same wiki/page level, check the priority order of the right in permission type (/xwiki/bin/view/Documentation/AdminGuide/Permission%20types/) to know if access will be allowed or denied.
- When a right has been allowed at a given level, it gets implicitly denied to anyone else at the same level. Using this implicit deny behaviour is recommended over applying explicit denial.
- When a permission is explicitly set for a given group or user at a certain scope (page or wiki) then the
 other groups and users must also have the right explicitly set as well if they need access. For
 example, when you decide to explicitly allow the view right for "Group A" on a given page, users that
 are not members of "Group A" must have the view right explicitly set on the given page to be able to
 view it as well.
- The wiki owner and the superadmin account always have full admin privlieges regardless of the rights configured

Wiki Access Configuration

The first thing you may want to do is configure a **policy access** for your wiki. Depending on what you intend to use your wiki for, you have several options: you can configure your wiki to be public, so that people can edit and comment without necessary being registered or logged in or you can limit the access only to registered users, by configuring a private wiki.

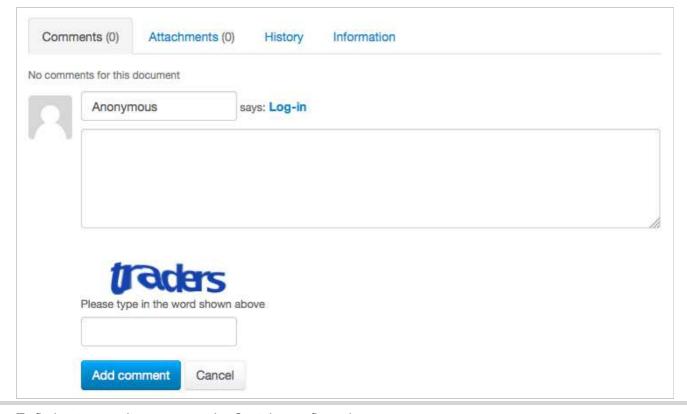
Open Wiki

To have an open wiki where everyone can perform actions like comment or edit, all you have to do is configure the permissions you wish to give to the Guest user, from the Rights administration page, as shown in the following screenshot:



(/xwiki/bin/download/Documentation/AdminGuide/Access%20Rights/WebHome/guest-permissions)

Letting guests comment on a page creates a more open atmosphere. Often, the most helpful people are unwilling to bother with registration. However comments can be a vector for search engine spam. From a security point of view, you can keep your site open while preventing automated commenting by requiring guests to fill out a captcha before commenting. The captcha will not be displayed or even loaded until they click on the comment window to type their message.



To find out more please access the Captcha configuration (/xwiki/bin/view/Documentation/AdminGuide/Captcha%20configuration/) tutorial.

Public Wiki with Confirmed Registration

Public Wiki with confirmed registration

(/xwiki/bin/view/Documentation/AdminGuide/Public%20Wiki%20with%20confirmed%20registration/) means users are required to register with a valid email address. To do this, open the administration interface for the wiki and navigate to the registration section, where you will find several configuration options:

- · Use email verification
- · Check Active fields for user authentication
- Validation e-Mail Content

Make sure you have performed the e-mail configuration on your instance. You can find more info in the Extensions (https://extensions.xwiki.org/xwiki/bin/view/Extension/Mail%20Application) page.

Before enabling the "Authentication Active Check" make sure your user is active. Edit your User Profile in object mode and look for "Active" property in XWiki.XWikiUsers object. Make sure it is set to "Active".

Private Wiki

A Private Wiki means that only specific users can see the wiki content, browse it, edit it etc. Guests will not be able to see the content of the wiki.

To be able to prevent the access of unregistered users, you must check the options **Prevent unregistered** users from viewing/editing pages, regardless of the page or space rights from Administration > Users > Rights

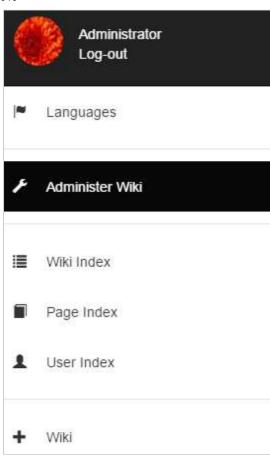
Prevent unregistered users from viewing pages, regardless of th	e page or space rights
Prevent unregistered users from editing pages, regardless of the	page or space rights
Require unregistered users to solve a captcha when posting a c	omment on a page

You should note that if you prevent unregistered users from viewing all pages there are currently some limitations:

Color Themes are pages and thus your current Color Theme won't be accessible for unregistered
users who'll get the default Color Theme. To fix this, you'll need to give view access to unregistered
users on your Color Theme page.

Main Wiki Access Rights

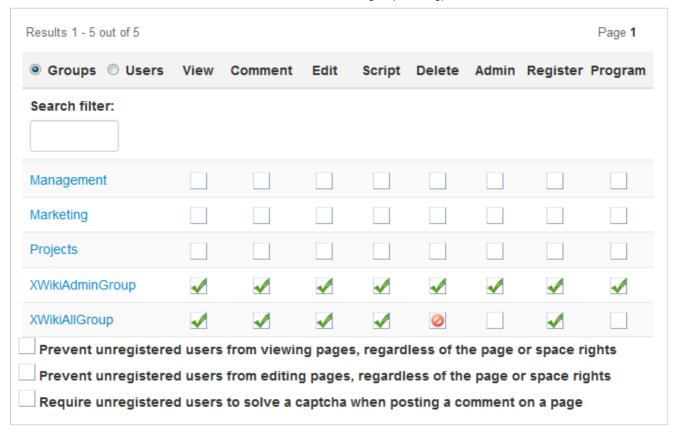
To change rights for the main wiki, log in as Administrator, click the button to open the drawer menu, then click on "Administer Wiki".



In the wiki administration page, click on the "Rights" link from the vertical menu to the left.



Next, select the users or groups for which you want to set a permission for. Note that if you are on the main wiki, you are editing the rights for global users and groups. Global user/groups are defined on the main wiki. If you are editing rights on a sub-wiki level, you can choose Local users/groups which are users/groups defined for the sub-wiki only or Global users/groups.



Click once on a check-box to allow a right, twice to deny it and three times to clear the right and use the default values. Note that rights entries are saved automatically.

Sub-Wiki Access Rights

You can consult the specific Sub-Wiki access rights (/xwiki/bin/view/Documentation/AdminGuide/Sub-Wiki%20access%20rights/) documentation page to make sure you set correctly the sub-wiki access rights.

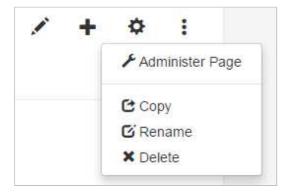
Page Access Rights

Starting with XWiki 7.2, we have introduced the possibility to create pages inside other pages. This feature is called Nested Pages. Check the Content Organization page (https://platform.xwiki.org/xwiki/bin/view/Features/ContentOrganization/) to understand better how it works.

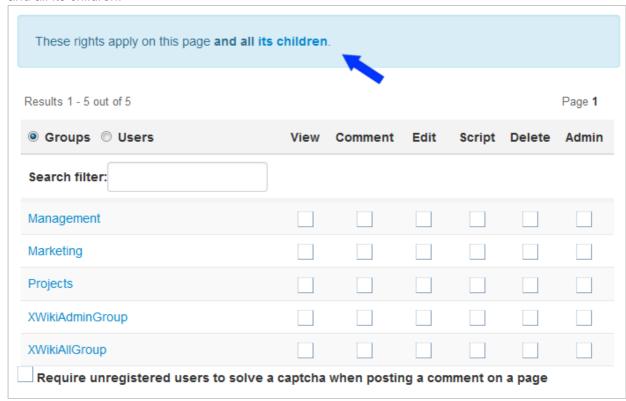
Setting Rights for a Page and Its Children

If you have a page A and there are several other pages created as children of page A, you can set rights for page A (as parent) and the children pages can inherit the same rights.

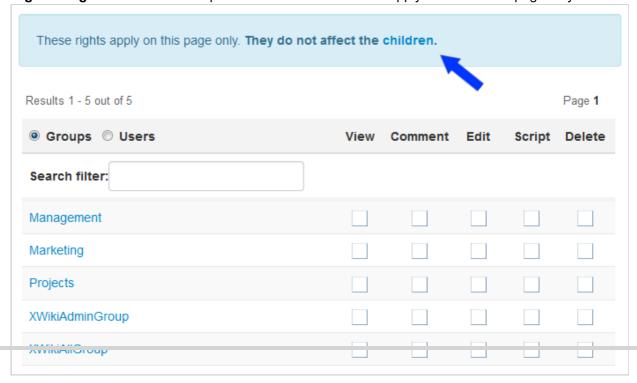
To edit the access rights for a page, simply navigate to that page, click the cog button, then on "Administer Page". You will be redirected to a UI ("WebPreferences") with 2 options in the menu on the left under "Users & Groups":



• Rights: Page & Children - allows to set the permissions scheme that will apply on the current page and all its children.



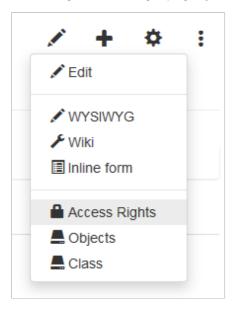
• Rights: Page - allows to set the permissions scheme that will apply on the current page only.



Click once on a check-box to allow a right, twice to deny it and three times to clear the right and use the default values.

Setting Rights for a Terminal Page

A terminal page is a wiki page that cannot have children and it is usually created by applications and scripts. Terminal pages don't have a "Preferences" document. This is the reason why, in order to set the access rights for a single page, you will have to click the editing pen icon, then choose "Access rights".



Further Reading

- Find our more about Permission types
 (/xwiki/bin/view/Documentation/AdminGuide/Permission%20types/).
- The "administration interface" is documented in the Administration Application (https://extensions.xwiki.org/xwiki/bin/view/Extension/Administration%20Application).
- · You can of course get more information about permission management from the code itself.

Tags:

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

AdminGroupsRightsSubWiki.png

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Permission types

Last modified by Xavier Richard (/xwiki/bin/view/XWiki/xrichard) on 2018/11/02

View Right

The view right gives the user the ability to view a document or load it using the API.

· Availability: Page and Wiki level.

· Default status: ALLOWED

Priority order: deny > allow > no setting

· Checking order: page > wiki

Comment Right

The comment gives the user the ability to add a comment, but not to edit or delete it.

- · Availability: Page and Wiki level.
- · Default status: ALLOWED
- Priority order: deny > allow > no setting
- · Checking order: page > wiki

In order to be able to edit or delete your own comments, you need to have edit rights on the page. Also, you won't be able to edit or delete the comments of other users, unless you have administration rights.

Edit Right

The edit allows you to edit the page and all of its objects.

- · Availability: Page and Wiki level.
- Default status: ALLOWED
- Priority order: deny > allow > no setting
- Checking order: page > wiki

Delete Right

The delete right allows you to move a page to the recycle bin.

- Availability: Page and Wiki level.
- Default status: DENIED (unless you're the document creator)

Contents

- View Right
- · Comment Right
- · Edit Right
- · Delete Right
- Special Permissions
 - Administration Right
 - Programming Right
 - Register Right
 - · Create Wikis Right
 - Script Right

Priority order: deny > allow > no setting

· Checking order: page > wiki

Special Permissions

Administration Right

The administration right can only be granted at page or wiki level. A very important detail is that the wiki administrator cannot have his/her administration rights denied for a page. Also, having administration rights imply the view, comment, edit and delete permissions with the added ability to permanently delete a page from the recycle bin.

· Availability:

page (Automatically includes the view, comment, edit, delete rights)

Wiki (Automatically includes the view, comment, edit, delete, register)

· Default status: DENIED

Priority order: allow > deny > no setting

· Checking order: wiki > page

Programming Right

A programmer is allowed to execute arbitrary Java code in the wiki, so any page which was last saved by an user with programmer rights can run dangerous scripts. Because it affects the entire wiki (or wiki farm), programming rights can only be granted from the wiki preferences page in a single wiki environment or from the main wiki in a multi-wiki environment.

 Availability: Main wiki level (automatically implies LOGIN, VIEW, EDIT, DELETE, REGISTER, COMMENT, SCRIPT, ADMIN, see the documentation for the security module (https://extensions.xwiki.org/xwiki/bin/view/Extension/Security%20Module))

· Default status: DENIED

Priority order: allow > deny > no setting

· Checking order: wiki

Register Right

The register right is usually granted or revoked for the non-registered pseudo-user "XWiki.XWikiGuest". This permission can only be set from the wiki preferences page.

· Availability: Wiki level

· Default status: ALLOWED

Priority order: allow > deny > no setting

· Checking order: wiki

Create Wikis Right

The "createwiki" right can only be granted via the main wiki, just like programming rights. .

· Availability: Main wiki level

· Default status: DENIED

Priority order: allow > deny > no setting

· Checking order: wiki

Script Right

The "Script" right was introduced in version 7.2 in order to control who has the right to write scripts. Anyone with edit rights can write a script in a wiki page. However, when the page is rendered, the script will only execute if the last author of the page has the "Script" right.

For backward-compatibility reasons, the standard XWiki distribution comes with the "Script" right being allowed for all users at the main wiki level. So, unless an administrator explicitly revokes the right for some users or groups, they will be able to execute the scripts they wrote.

- Availability: Page and Wiki level.
- · Default status:
 - · ALLOWED on the main wiki
 - DENIED on sub-wikis
- Priority order: deny > allow > no setting
- · Checking order: page > wiki

Tags:

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

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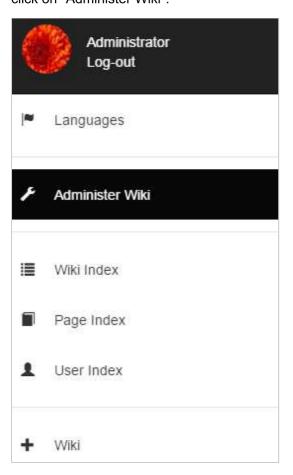
•

Public Wiki with confirmed registration

Last modified by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

Steps to proceed

In order to require users to confirm their registration and to provide a valid email address, click the button to open the drawer menu, then click on "Administer Wiki":



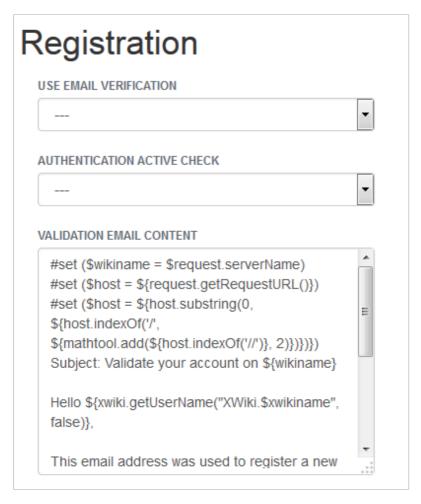
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- · Steps to proceed
- Registration Options
- Result

In the wiki preferences page, click on the "Registration" link from the vertical menu to the left:

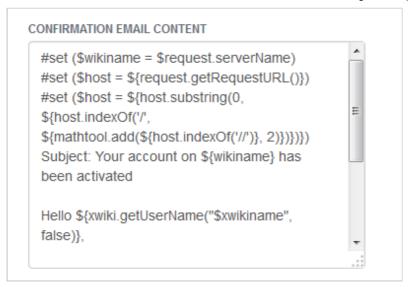


Next, set "Use email verification" to "YES" which means that an email will be sent to the email address the user registered with. The "Authentication Active Check" option set to "YES" will prevent the users from logging in without entering the token which was previously sent by email. The content of the message is set in the "Validation E-Mail Content" text area.

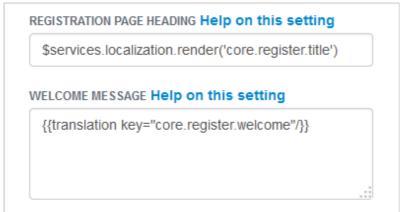


Registration Options

- Registration page heading is the line displayed at the top of the page for the users who are
 registering or who have just registered.
- Confirmation E-Mail Content requires that you set "Use email verification" and "Authentication Active Check" to "YES". These settings are optional but you will still have to provide a link to activate the account.



• **Welcome Message** requires that you set "User email verification" to "YES" and modify the "Validation E-Mail Content" so that it doesn't mention the verification since it is not needed anymore.



- Enable Javascript field validation enables or disables the Live Validation. Note that if this option is set to "FALSE", the fields will still be validated server-side.
- **Default field okay message** refers to the message displayed by the Live Validation when the fields have been correctly filled in.
- Enable login button enables or disables the button the users need to click on in order to log in.
- **Enable automatic login** disabled by default. If enabled, the user is automatically logged in after a successful registration.
- Redirect here after registration refers to the URL of the wiki page the user will be redirected to after clicking the "Login" button.
- Require captcha to register requires the user to solve a CAPTCHA in order to register.
- Registration Successful Message is displayed when the user has successfully registered.

Result

This is how it looks the registration form after the configuration:

Registration Sign up here so you can edit pages and participate in the wiki. FIRSTNAME Kate LASTNAME Jonson USERNAME (Required) KateJonson Ok. PASSWORD (Required) Ok. CONFIRM PASSWORD (Required) Ok. EMAIL ADDRESS (Required) KateJonson@yahoo.com Register

Tags:

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

AdministerWikiMenu.png

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(/xwiki/bin/viewattachrev/Documentation/AdminGuide/Access%20Rights/Public%20Wiki%20with%20confirmed%20reg Posted by Irina Hrehorciuc (/xwiki/bin/view/XWiki/IrinaHrehorciuc) on 2016/03/14 (17.6kb)

ConfirmationEmailContent.png

(/xwiki/bin/download/Documentation/AdminGuide/Access%20Rights/Public%20Wiki%20 1.1

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Registration.png

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RegistrationSection.png

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WelcomeMessage.png

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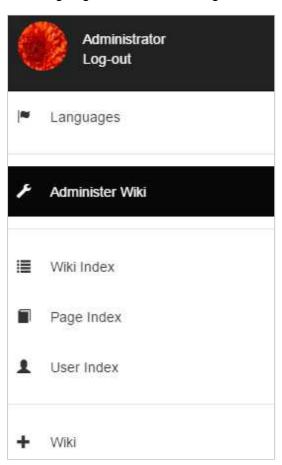
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Sub-Wiki access rights

Last modified by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

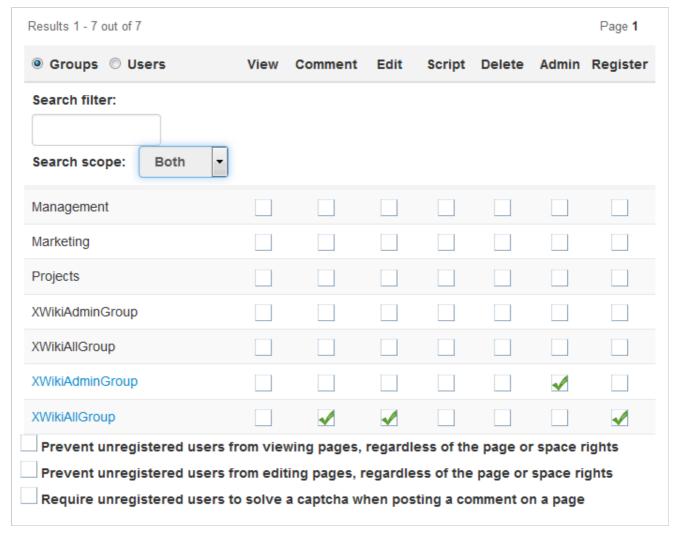
To change rights for a sub-wiki, log in as administrator, click the 📃 button, then on "Administer Wiki".



In the wiki preferences page, click on the "Rights" link in the vertical menu to the left.



Select the local or global groups and users for which you want to set a permission.



Click once on a check-box to allow a right, twice to deny it and three times to clear the right and use the default values. Note that rights entries are saved automatically.

Unlike the main wiki, the "Script" right is set to default on sub-wikis, meaning that it is denied.

Default Values for Rights at Sub-wiki Level

Wiki Right	Default Value	Comments
VIEW	ALLOWED	
EDIT	ALLOWED	EDIT rights at wiki level also imply VIEW rights
COMMENT	ALLOWED	
SCRIPT	DENIED	
DELETE	DENIED	

ADMIN DENIED

- ADMIN rights at wiki level also imply the VIEW, EDIT, COMMENT and DELETE rights.
- If ADMIN rights are granted at wiki level, they cannot be denied at page level.
- The rights implied by ADMIN rights will not be overridden by a denial at a lower level.

For more information please access the Permission types page.

Tags: Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

AdminGroupsRightsSubWiki.png

(/xwiki/bin/download/Documentation/AdminGuide/Access%20Rights/Sub-Wiki%20access%20rights/WebHome/AdminGroupsRightsSubWiki.png)

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Posted by Irina Hrehorciuc (/xwiki/bin/view/XWiki/IrinaHrehorciuc) on 2016/03/18 (27.7kb)

AdministerWikiMenu.png

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Posted by Irina Hrehorciuc (/xwiki/bin/view/XWiki/IrinaHrehorciuc) on 2016/03/18 (4.5kb)

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Posted by Irina Hrehorciuc (/xwiki/bin/view/XWiki/IrinaHrehorciuc) on 2016/03/18 (295 bytes)

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Attachments

Last modified by Thomas Mortagne (/xwiki/bin/view/XWiki/ThomasMortagne) on 2019/01/18

Attachments can be uploaded either through the regular upload action

(https://platform.xwiki.org/xwiki/bin/view/Features/Attachments), WebDAV

(https://platform.xwiki.org/xwiki/bin/view/Features/WebDAV), XML-RPC (https://extensions.xwiki.org/xwiki/bin/view/Extension/XML-RPC%20Integration) or Rest

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(https://platform.xwiki.org/xwiki/bin/view/Features/XWikiRESTfulAPI).

As an administrator you can set limits on the maximum size of an attachment and where the attachments will be stored.

Size Limit

The maximum size of an attachment is limited by a configuration parameter in the *XWikiPreferences* document. It is set to 100GB by default (32MB for XWiki < 10.9RC1).

To change it follow these steps:

- 1. Go to http://<yourwiki>/xwiki/bin/edit/XWiki/XWikiPreferences?editor=object
- 2. Click on the line that says XWikiPreferences 0 (right below the line that says Objects of type XWiki.XWikiPreferences (1))
- 3. Scroll down to the field that says Maximum Upload Size and change the number to whatever size you want (it is expressed in bytes)
- 4. Scroll to the bottom and click "Save"

Note that if you've already tried to attach a file and it failed, in order for the new size setting to be taken into account you might need to clear your browser's cache.

Versions

When a user uploads an attachment and then uploads another attachment with the exact same name, you can decide whether or not to keep a version history of the attachments like you do with documents.

XWiki stores all document attachment versions by default which costs more storage space. If you need only latest versions of attachments, you can disable attachment version control by editing your xwiki.cfg

(/xwiki/bin/view/Documentation/AdminGuide/Configuration/#HSamplexwiki.cfg) and adding:

xwiki.store.attachment.versioning=0

Deletion

Deleted attachments are stored in a recycle bin so that they can be restored along with the document when rolling back or previewing an earlier version where the attachment should be visible. To disable this feature, edit xwiki.cfg (/xwiki/bin/view/Documentation/AdminGuide/Configuration/#HSamplexwiki.cfg) and add:

```
storage.attachment.recyclebin=0
```

You can view the list of deleted attachments in your wiki and delete them permanently by going to XWiki.DeletedAttachments in your wiki.

Attachment Storage

XWiki offers plugin attachment storage mechanisms so you can store your attachments in the database or directly in the filesystem.

No matter what type of attachment store you use, the meta-data for the attachment will be saved in the xwikiattachment (https://platform.xwiki.org/xwiki/bin/view/DevGuide/DsXWikiAttachment) table for faster loads.

Filesystem Attachment Store

The default since 10.5

The Filesystem attachment store saves your attachments in files in a directory tree. This means you will have one more thing to do when you back up your data but it also means you can save larger (over one gigabyte) files. Filesystem attachment store implements a two stage commit mechanism to maintain integrity even if the database fails to commit the attachment meta-data.

Case insensitive filesystems are only supported since XWiki 10.1. In previous version you might have experienced behavior when manipulating document or attachments which are the same from a case insensitive point of view since XWiki will always see them as different on its side.

Enabling Filesystem attachment store

Before 10.5 you will need to enable it. All you need to do for enabling Filesystem Attachment Store is to change some settings in the xwiki.cfg (/xwiki/bin/view/Documentation/AdminGuide/Configuration/#HSamplexwiki.cfg) file.

These settings should read as follows:

```
xwiki.store.attachment.hint = file
xwiki.store.attachment.versioning.hint = file

## Since 9.10RC1
xwiki.store.attachment.recyclebin.content.hint=file
## Before 9.10RC1
xwiki.store.attachment.recyclebin.hint = file

# Attachments being also stored in the deleted documents it's safer to also enable filesystem storage
xwiki.store.recyclebin.content.hint = file
```

Also make sure they are not commented out.

On XWiki < 9.10RC1, if you already have a wiki and want to take advantage of the Filesystem Attachment Store, you should use the Filesystem Attachment Porter

(http://snippets.xwiki.org/xwiki/bin/view/Extension/Filesystem%20Attachment%20Porter) to move your existing attachments onto the filesystem.

Filesystem attachment store location

The directory in which the attachments are stored in the filesystem is defined with the parameter environment.permanentDirectory in the xwiki.properties file. By default it's defined to be data, which is a directory relative to where the Java Servlet Container was started. It's recommend to modify this value to be absolute sure that you can start the Servlet Container from any directory and still have XWiki find the attachments located in this work directory.

For example:

environment.permanentDirectory=/opt/tomcat6/data

Other considerations

If you are running a cluster (/xwiki/bin/view/Documentation/AdminGuide/Clustering/) you will need to have a synchronized storage directory for each node. You can use NFS or other means to mount the disk on each node in the cluster.

Directory cleanup

Since XWiki 6.0M2 (/xwiki/bin/view/ReleaseNotes/ReleaseNotesXWiki61M2), it is possible to save time on startup by preventing XWiki from cleaning up empty directories in the Filesystem Attachment Store. To do this, edit xwiki.properties and set store.fsattach.cleanOnStartup to false. If you do this, you will be responsible for cleanup of empty directories yourself.

Database Attachment Store

The default until 10.2.

This attachment storage mechanism stores your attachments in database entries in the xwikiattachment_content (https://platform.xwiki.org/xwiki/bin/view/DevGuide/DsXWikiAttachmentContent), xwikiattachment archive (https://platform.xwiki.org/xwiki/bin/view/DevGuide/XWikiAttachmentArchive) and xwikiattrecyclebin (https://platform.xwiki.org/xwiki/bin/view/DevGuide/DsXwikiRecycleBin) tables. This system allows for easy backup of your attachments by dumping the database and keeping all of your data together, but attachment size is memory constrained since the attachment content and archive must all be held in memory. As a general rule, attachments larger than 30MB are not possible.

When using this attachment store with a MySQL database, you must set the max allowed packet to about 3 times the size of your largest attachment since the attachment and its version history must be saved. See the MySQL Installation guide (/xwiki/bin/view/Documentation/AdminGuide/InstallationMySQL) for more information.

Tags:

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06



FilesystemAttachmentStoreDirtree.png

(/xwiki/bin/download/Documentation/AdminGuide/Attachments/FilesystemAttachmentStoreDirtree.png)

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Configuration

Last modified by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2018/11/13

Once you have XWiki installed (/xwiki/bin/view/Documentation/AdminGuide/Installation/) you'll want to configure it. Configuration can be done in 2 ways:

- by stopping the XWiki instance and editing either the xwiki/WEB-INF/xwiki.cfg file or the xwiki/WEB-INF/xwiki.properties one, and then restarting XWiki. Note that xwiki.cfg was the historical file containing the configuration option but we're moving away from it and in due time all the XWiki configuration options will be found in xwiki.properties
- · by logging in as a user with admin rights and going to the administration page using the top level menu. You can also go directly to http://localhost:8080/xwiki/bin/admin/XWiki/XWikiPreferences. This allows to keep the server running while making the changes.
 - Some configurations are only accessible from the xwiki.cfg and xwiki.properties files and have no equivalent on the administration page.
 - · If you're a developer and need to understand how Configuration works in XWiki, check the Configuration Module Documentation (https://extensions.xwiki.org/xwiki/bin/view/Extension/Configuration%20Module).

You can verify some basic settings of your XWiki installation (on Tomcat, MySQL) using the Check Config and Indexes application (https://extensions.xwiki.org/xwiki/bin/view/Extension/Check%20Config%20And%20Indexes%20Application).

There are various things you can configure:

Enable superadmin account

Edit the xwiki.cfg file and enable the xwiki.superadminpassword property. For example:

Enable to allow superadmin. It is disabled by default as this could be a security breach if # it were set and you forgot about it. xwiki.superadminpassword=system

When logging in, the username will be "superadmin" and the password will be the one you set in the xwiki.superadminpassword property.

Language settings

To define the default language for your wiki go to the administration page, click on "Localization", locate the "Default Language" field and enter the language code for the language you wish to use. For example: "en" for English, "fr" for French, "de" for German, etc.

In addition you can configure your wiki to be multilingual. See the I18 user page (https://platform.xwiki.org/xwiki/bin/view/Features/I18N) for more information.

Last, you can also force your wiki to display only in one of the languages specified in the settings, by editing your WEB-INF/xwiki.cfg file. Search for the "Internationalization" section, and you should see two commented settings that you can uncomment and set to 1:

#-# By default, XWiki chooses the language specified by the client (browser) in the Accept-Language HTTP header.Allowed Pages for Inactive #-# allows to use the default language of the wiki when the user didn't manually choose a language. # xwiki.language.preferDefault=0

#-# Force only one of the supported languages to be accepted.

xwiki.language.forceSupported=0

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Date format

To define the date format used in the interfaces, go to Wiki -> Administer Wiki -> Localization, locate the "Date format" field and enter the date format you wish to use. Exa

Format	Result
MMMM dd, HH:mm	January 27, 12:27
yyyy/MM/dd, HH:mm	2009/01/27, 12:27

dd/MM/yyyy, HH:mm 27/01/2009, 12:27

More information about date formatting (http://docs.oracle.com/javase/1.5.0/docs/api/java/text/SimpleDateFormat.html) .

Enabling/Disabling Statistics

To disable the Statistics feature (https://extensions.xwiki.org/xwiki/bin/view/Extension/Statistics%20Application) edit your xwiki.cfg file and replace the following properties change 0 to 1):

```
xwiki.stats=0
xwiki.stats.default=0
```

where:

- xwiki.stats controls whether statistics are on or off
- xwiki.stats.default controls whether statistics are on or off by default for the current Wiki. This is useful in Virtual Wiki mode (/xwiki/bin/view/Documentation/Ac decide whether statistics are on or off by setting the "statistics" field in XWiki.XWikiPreferences. If no such field is defined then the default value xwiki.stats.defau

There's currently no UI to set the statistics on or off for a given subwiki. Thus at the moment you'll need to do 2 things:

- Edit XWiki.XWikiPreferences to add a new boolean property to the class, by going to http://localhost:8080/xwiki/bin/edit/XWiki/Preferences?edito
- Set the statistics property to true by going to http://localhost:8080/xwiki/bin/edit/XWiki/XWiki/Preferences?editor=object and setting the statistics pro

Optional Store Features

Document versioning

One of the key features of a wiki engine is the ability to keep all the history of a document, giving users the ability to see the evolution of a document, but also to revert ch active wiki continuously grows and is usually much larger than the current version of the data. It is possible to disable the versioning feature in XWiki, which means that le it will not be possible to revert the document in case of vandalism.

To disable versioning edit xwiki.cfg and add xwiki.store.versioning=0.

Attachment versioning (/xwiki/bin/view/Documentation/AdminGuide/Attachments#HVersions) is also available and turned on by default.

Document recycle bin

By default deleted documents are not permanently removed, but are placed in a recycle bin, from which they can later be removed or restored. To disable it, edit xwiki.cfg

Disabling the recycle bin will make it impossible to restore a deleted document, unless a database backup is available.

By default, a deleted document can be permanently deleted right away by administrators, and after 7 days by regular users. To change these limits, edit xwiki.cfg and adc

```
# Admins must wait 3 days before being allowed to permanently delete
xwiki.store.recyclebin.adminWaitDays=3
# Normal users must also wait 3 days
xwiki.store.recyclebin.waitDays=3
```

Attachment recycle bin (/xwiki/bin/view/Documentation/AdminGuide/Attachments#HDeletion) is similar.

Customizing error pages

The screen displayed to the user when an error occurs can be easily customized without modifying the skin in the following cases: when the wiki, document or attachmen exist, or when a denied access occurs. You simply need to create the following respective pages in your wiki:

- XWiki.WikiDoesNotExist,
- XWiki.DocumentDoesNotExist,
- XWiki.AttachmentDoesNotExist,
- XWiki.AccessDenied

Creating these pages rather than editing the skin's velocity files will save you time during upgrades since you won't need to merge the possibly updated skin files with you

Customizing the Skin

See the Skin Guide (/xwiki/bin/view/Documentation/AdminGuide/Skins).

Security configuration

See the Security Guide (/xwiki/bin/view/Documentation/AdminGuide/Security).

By default the protocol to use to generate external URLs (https, http) is extracted from request to XWiki so most of the time you don't have anything to do if you properly c force a specific protocol using xwiki.url.protocol property in xwiki.cfg.

Customizing Menus

The first thing to understand is that menus depend on the skin you're using. If you're using the 1.0 skin it's likely you're using the Panels Application (https://extensions.xwiki.org/xwiki/bin/view/Extension/Panels%20Application) to provide the different menu panels you see on the left or right of your wikis. Check the Pan (https://extensions.xwiki.org/xwiki/bin/view/Extension/Panels%20Application) to know more on how to configure/modify them.

Encoding

See the Encoding Guide (/xwiki/bin/view/Documentation/AdminGuide/Configuration/Encoding/).

User Authentication

See the Authentication Guide (/xwiki/bin/view/Documentation/AdminGuide/Authentication/).

Customizing the Verified Registration Page (Since 2.2M2)

The Verified Registration Page is part of the Administration Application (https://extensions.xwiki.org/xwiki/bin/view/Extension/Administration%20Application) and allows you and validates user input on both the server side and the client side using Javascript. The configuration allows you to add fields and validation constraints to the fields which

Since version 2.3M1 in order to turn on captcha you simply go to the administration page, click "Registration" and you will find a checkbox for turning on captcha along wi settings.

For more information about configuring the registration page you can visit the page on the Administration Application (https://extensions.xwiki.org/xwiki/bin/view/Extension

Initial Groups

You can set the default groups which new users will automatically be added to by changing the xwiki.users.initialGroups parameter in your xwiki.cfg (/xwiki/bin/view/Documentation/AdminGuide/Configuration/#HSamplexwiki.cfg) file. To make all new users be added to the groups XWiki.CoolPeople and XWiki.ComminitialGroups parameter like this:

xwiki.users.initialGroups=XWiki.CoolPeople, XWiki.CommunityMembers

- · Current members will not be automatically be added to these groups, only new members.
- The groups have to be created before being specified as initial groups.

Logging

See the Logging page (/xwiki/bin/view/Documentation/AdminGuide/Logging).

Configuring Interwiki links

Interwiki linking (http://en.wikipedia.org/wiki/InterWiki) is a short hand syntax for linking to pages on other websites. For example, you could link to http://en.wikipedia.org/wiki/InterWiki) just by typing [[InterWiki@WikiPedia]].

Note that different lists have to be maintained to support this function in XWiki Syntax 1.0 and 2.x.

The link notation for Interwiki links has changed in XWiki Syntax 2.1. Links should look like this in XWiki Syntax 2.1: [[interwiki:WikiPedia:InterWiki]].

Interwiki links (XWiki Syntax 1.0)

Since XWiki renders wiki syntax using the Radeox (http://codemonkeyism.com/forking-radeox-a-new-wiki-render-engine/) engine, it supports Interwiki links in much the (http://snipsnap.org/space/InterWiki+HowTo) .

To configure Interwiki links on your wiki:

- Create a file named [location from where you start your container]/conf/intermap.txt
- Fill intermap.txt with content like:

IMDB http://us.imdb.com/Title?
OpenWiki http://openwiki.com/?
SourceForge http://sourceforge.net/
TWiki http://twiki.org/cgi-bin/view/
Why http://clublet.com/c/c/why?
Wiki http://c2.com/cgi/wiki?
WikiPedia http://www.wikipedia.com/wiki/

You can of course add your own entries.

Radeox's parser for intermap.txt is very fragile. A blank line at the bottom of the file is enough to make it fall over.

Restart XWiki (you'll need to restart XWiki every time you change intermap.txt) and try out an Interwiki link. If it does not work, check your xwiki.log file. You'll see if found, or if there was an error parsing it.

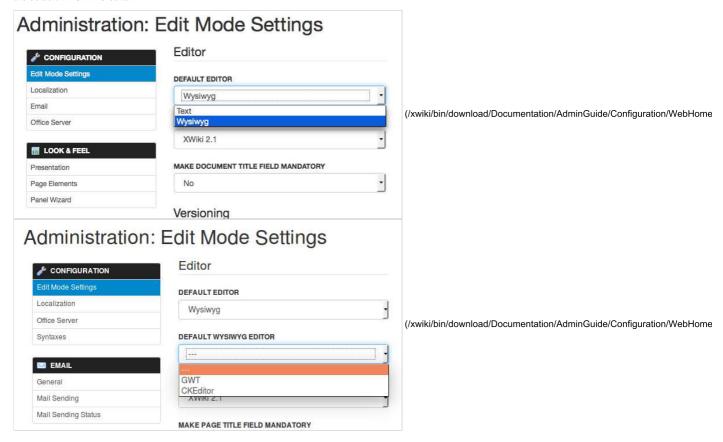
Interwiki links (XWiki Syntax 2.x)

In order to use Interwiki links in the XWiki Syntax 2.x it is necessary to configure the appropriate list in your xwiki.properties file. Look for the following section:

```
#-# [Since 2.5M2]
#-# InterWiki definitions in the format alias=URL
#-# See http://en.wikipedia.org/wiki/Interwiki_links for a definition of an InterWiki link
# Some examples:
# rendering.interWikiDefinitions = wikipedia = http://en.wikipedia.org/wiki/
# rendering.interWikiDefinitions = definition = http://www.yourdictionary.com/
```

Setting the default editor to use (Wiki or WYSIWYG)

Starting with XWiki 3.0, which introduced a revamp of the Administration, you can choose the default editor from "Configuration > Edit Mode Settings" (see below). Starting the default WYSIWYG editor.



Configure the WYSIWYG editor

See the WYSIWYG Editor Configuration (https://extensions.xwiki.org/xwiki/bin/view/Extension/CKEditor%20Integration/#HConfiguretheEditor) page to find out how you can

Link URLs

With parameters, you can specify what type of links will be made by XWiki.

Reverse proxy setup

XWiki can and does run behind reverse proxies such as Apache mod_proxy. Usually the only thing needed is to have the x-forwarded-host http header set to the exter correctly.

Some reverse proxy software does not set this header and with XWiki 3.0M3 or newer, you can use the xwiki.home parameter in single wiki instances (non farm) to achi

- xwiki.home parameter in xwiki.cfg will be used to make all links pointing to the main wiki on the server. If your main wiki is called "xwiki" but you want your use www.yoursite.tld instead of xwiki.yoursite.tld, you may set the xwiki.home parameter to http://www.yoursite.tld/
 Since XWiki 3.0M3, this parameter will also work for single wiki instances and will be the final authority if the x-forwarded-host parameter is not set.
- xwiki.url.protocol with the xwiki.url.protocol parameter in xwiki.cfg you can explicitly specify the protocol as https. This is useful if you are running xwiki b https into plain https so xwiki only sees http.

Short URLs

It's possible to configure XWiki to use shorter URLs (https://platform.xwiki.org/xwiki/bin/view/Main/ShortURLs).

Configure the names of database schemas

Since 1.6M1 Sometimes, especially in a complex environment, we need to control the names of database schemes, other than default.

• xwiki.db: name of database schema for the main wiki (including the name of the wiki in a non-virtual environment, otherwise the database name comes from the h

• xwiki.db.prefix: useful mainly for virtual wikis (/xwiki/bin/view/Documentation/AdminGuide/Virtualization/), where we have a separate database schema for each vi database schema name after usual mapping between wiki names and schemas. Note that this is also applied to the main wiki database name.

Controlling Page Tabs

You can do this from the Administration (https://extensions.xwiki.org/xwiki/bin/view/Extension/Administration%20Application#HPresentation).

If you wish to turn on/off comments/annotations/attachments/history/information tabs only for a single page you just need to define some properties in a script in the page (https://platform.xwiki.org/xwiki/bin/view/DevGuide/Scripting#HControllingPageTabs).

Last, if you wish to turn them off based on some programmatic rule (such as display them only for Administrators), you should define the properties in the layoutExtraVa installation. For example:

```
#if (!$hasAdmin)
    ## Hide tabs
    #set($displayDocExtra = false)
    ## Hide viewer shortcuts in the menu
    #set ($displayShortcuts = false)
#end
```

Configure "Version Summary" behavior

When you're editing a page you can add a brief description of your changes in the "Version Summary" field by default (look at PageEditing (https://platform.xwiki.org/xwiki/bin/view/Features/PageEditing#HCommoneditactions)). You can disable this feature by setting xwiki.editcomment=0 in xwiki.cfg.

When the "Version Summary" feature is enabled, you can also set "Version Summary" to be mandatory by setting *xwiki.editcomment.mandatory=1* in *xwiki.cfg*. This will s to write a short comment if there is no comment entered. It doesn't allow you to enter an empty comment. If you want a popup, but you also want to be able to enter an er *xwiki.editcomment.suggested=1* in *xwiki.cfg*

If you set "Version Summary" as mandatory or suggested, you can also remove the "Version Summary" field and use only a popup window for writing a comment. Set xw do this

You can use the special fields in the XWikiPreferences object instead of editing xwiki.cfg. These fields are: editcomment, editcomment_mandatory, editcomment_suggest

Configuring Directories

XWiki uses the following directories:

- A Temporary directory. It's used for example to cache images after re-sizing them or store attachments after loading them out of the database.
- A Permanent directory. It's used for storing data such as extensions and filesystem attachments (/xwiki/bin/view/Documentation/AdminGuide/Attachments#HFilesystemAttachmentStore28SinceXWikiEnterprise3.0M229) which must not be deleted and search in laborious to create.

To set the permanent directory, you have 2 options:

- Set the xwiki.data.dir system property when starting the JVM (ie. the Servlet Container's JVM, specifically: -Dxwiki.data.dir=...)
- Set the environment.permanentDirectory property in your xwiki.properties file

Make sure to choose a folder different from the XWiki home on which XWiki (which usually means whatever user running the application server in which XWiki is installed standard Debian package use /var/lib/xwiki/data which is usually a good fit for many Linux distributions.

If the location points to a file or a directory to which XWiki does not have write access to, a warning will be printed in the log and the temporary directory will be used as a periodically cleaned and all its content deleted so it is critical that it is not used for anything else. Thus it's especially important to set the Permanent directory to not point

The temporary directory is taken from the Servlet Container's javax.servlet.context.tempdir Servlet Context property and thus must be configured at that level. If it XWiki cannot write, it will print a warning in the log and attempt to use java.io.tmpdir (http://docs.oracle.com/javase/1.5.0/docs/api/java/lang/System.html#getProperties()) exception will be thrown.

There are 2 ways to find out what's your current permanent directory:

- (since XWiki 9.10) Check the XWiki logs and look for the "Using permanent directory" string.
- Put the following in a wiki page (using the wiki editor). Beware that you'll need to have programming rights for this to work:

```
{{velocity}}
$services.component.getInstance('org.xwiki.environment.Environment').getPermanentDirectory()
{{/velocity}}
```

Configuring WebDAV (since 1.7)

WebDAV support has been added to XWiki beginning with XWiki 1.7. It is very important to note that WebDAV is enabled by default.

Securing WebDAV Server

XWiki's WebDAV implementation only supports the Basic Access Authentication (http://en.wikipedia.org/wiki/Basic_access_authentication) scheme for authenticating \(\text{N} \) it is highly recommended that you employ a transport level security mechanism like SSL to protect your clients. You may consult your web application container's docume achieved

Disabling WebDAV

To disable WebDAV support in your XWiki server, simply edit your web.xml file and remove the url-mapping element for mapping webdav requests. The url-mapping elem

```
<servlet-mapping>
  <servlet-name>webdav</servlet-name>
  <url-pattern>/webdav/*</url-pattern>
</servlet-mapping>
```

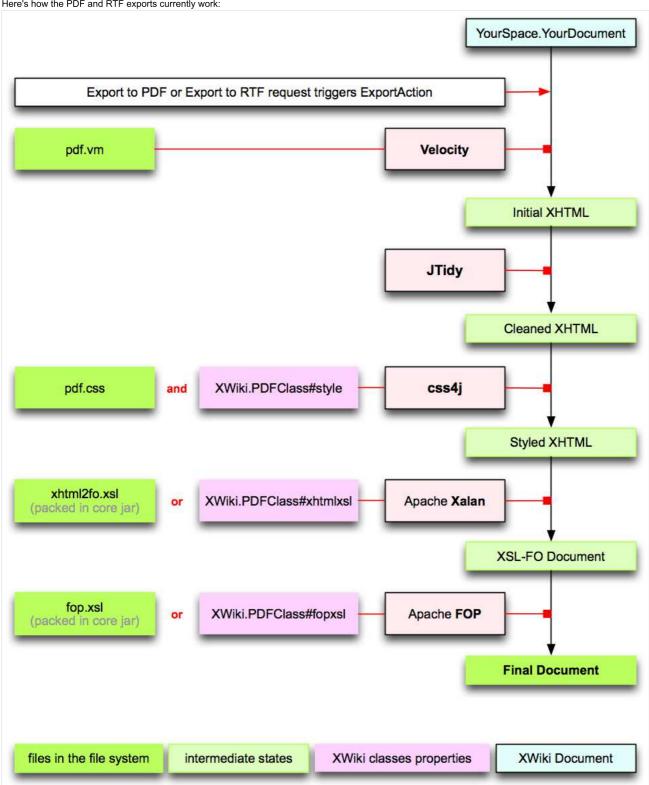
Redirections

XWiki supports defining redirections for incoming requests. To activate this feature modify your xwiki.cfg file and set the following property: xwiki.preferences.redi
Then for each redirection you want to add, add a XWiki.GlobalRedirect object to your main wiki's XWiki.XWikiPreferences document. The XWiki.GlobalRedirect
destination. The URL received is matched on pattern and if there's a match it's replaced with the value from destination. XWiki then redirects to the new URL.

Customizing the PDF export Look & Feel

In the future we'll want to rewrite the PDF/RTF exports as renderers in the new Rendering Module architecture (https://extensions.xwiki.org/xwiki/bin/view/Extension/R happens this section will be upgraded.

Here's how the PDF and RTF exports currently work:



As shown in the diagram you can customize 4 parts:

- The templates, pdf.vm and the referenced subparts, pdfhtmlheader.vm, pdfheader.vm, pdffooter.vm, pdftoot.vm, pdfcover.vm, which can be overridden by a copy load
- The CSS used to render the content as PDF/RTF. There is no pdf.css by default. It could be created in /templates or in a skin; a copy in a skin, override the one loc
- The XHTML2FO XSL transformation. The default one, xhtml2fo.xsl (http://www.github.com/xwiki/xwiki-platform/tree/master/xwiki-platform-core/xwiki-platform-oldco is packed in core jar but it could be override by a new one in a template or a xhtml2fo.xsl file in WEB-INF/classes directory, if customization needed.
- The FOP XSL transformation. The default one, fop.xsl, is also packed in core jar.

After the export request triggers XWiki ExportAction, the content of your document is parsed by Velocity to get the initial XHTML content. JTidy (http://jtidy.sourceforge. checker and pretty printer, will clean the initial XHTML to make it XHTML compliant. No customization is possible in this step.

In order to provide your own customization you need to start by tweaking the default templates (they can also be copied to a new skin) and/or by creating a new XWiki Cli (https://platform.xwiki.org/xwiki/bin/view/DevGuide/DataModel). To do that simply create a new page called XWiki.PDFClass and edit it in class mode (for ex. http://yourserver.com/xwiki/bin/edit/XWiki/PDFClass?editor=class). Add the following "Text Area" properties as needed (they are all optional so you only need to define the

- style: contains the CSS information that will overwrite or complement the default pdf.css values if they exist. css4j (http://www.informatica.info/projects/css/) Java&trade platform, will take care of this
- xhtmlxs1: contains the XHTML to FO XSL overriding the default one. It is processed by Apache Xalan (http://xml.apache.org/xalan-i/) ... a XSLT processor for t HTML, text, or other XML document types. Since version 3.0M2 (see issue XWIKI-5918 (https://jira.xwiki.org/browse/XWIKI-5918)) this field needs to be the actu

xhtml2fo.xsl. Note that you can also use velocity in this field (useful to get the content of an attached .xsl file, which comes in very handy when you need to fill in properties is of 60 000 characters)

• fopxs1: contains the FOP to PDF/RTF XSL overriding the default one. It is processed by Apache FOP (http://xmlgraphics.apache.org/fop/)

The name of the class must be XWiki.PDFClass.

The good thing about fop/xsl-fo is that the xsl-fo document is independent of the final result. So we can export the wiki documents into many formats.

Then create a new page (say XWiki.PDFTemplate) and add the XWiki.PDFClass object to it.

Last use that page when calling the PDF/RTF export using the pdftemplate parameter as in http://yourserver/xwiki/bin/export/Space/Page?format=pdf&language=en&pa

No template is used by default.

As mentioned the style property stores CSS code. The field is parsed by the Velocity engine, so you can use the current color theme (https://extensions.xwiki.org/xwiki/bin/view/Extension/Color%20Theme%20Application#HUsingColorThemesvariables) to style your PDF. Also, you can insert page bre before CSS instruction. For example:

```
#template('colorThemeInit.vm')
h2 {
   color: $\frac{1}{2}$theme.titleColor;
}

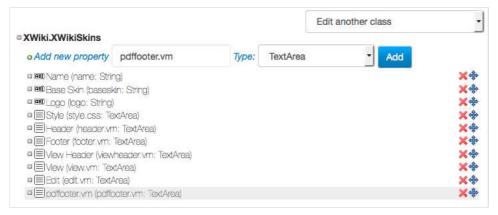
td {
   border-color: $\frac{1}{2}$theme.borderColor;
}

h1, .my_Page_break {
   page-break-before:always;
}
```

Override the PDF Templates

Customize the PDF Footer

By default, the PDF footer will display the page number, the last author and the date on which the last modification was performed. In order to also display a customized r must be overridden. To do that, edit the skin class (e.g. http://yourserver/xwiki/bin/edit/XWiki/XWiki/Skins?editor=class) and add a "TextArea" object named pdffooter.vm



After adding the pdffooter.vm you might want to edit it (clicking on it opens a detailed editor) and e.g. give it a "Pretty name". In this editor, also set the "Editor" property WYSIWYG-Editor will be used:



Next, edit the skin page (e.g. http://yourserver/xwiki/bin/edit/XWiki/DefaultSkin?editor=object) and add the following code to the pdffooter.vm property:

```
$msg.Page <span class="page-number"></span> - $msg.get('lastmodifiedby')
$xwiki.getUserName($tdoc.author, false)
$msg.get('lastmodifiedon')
$!xwiki.formatDate($tdoc.date)
<div>
</div></div>
```

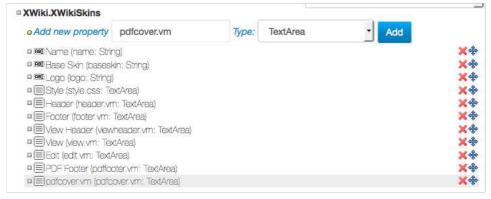
To see the changes, just export any wiki page:

Page 2 - last modified by superadmin on 2014/12/03 10:19

CustomName SAS. All rights reserved. Confidential and proprietary document. Printed Copies are not controlled.

Customize the PDF Cover

This could be useful when you want for instance to add the company's logo to the PDF cover. In order to do this, the template pdfcover.vm must be overridden. Just like property named pdfcover.vm must be added to the XWiki.XWikiSkins class (e.g. http://yourserver/xwiki/bin/view/XWiki/XWikiSkins?editor=class).



Next, edit the skin page (e.g. http://yourserver/xwiki/bin/edit/XWiki/DefaultSkin?editor=object) and add the following code to the pdfcover.vm property:

```
#else
    $escapetool.xml($title)
#end
</h1>
<br />
<br />
<br />
$!xwiki.getUserName($tdoc.author, false)
<br />
$!xwiki.formatDate($tdoc.date)
</div>
```

The last step consists of attaching the image "logo.png" to the skin:



Override the CSS rules

In order to use your own template when exporting a page as PDF, you need to create a class in the XWiki space and name it PDFClass. Next, edit the page in "Class" mc http://yourserver/xwiki/bin/edit/XWiki/PDFClass?editor=class) and add the following TextArea properties:

- style: contains the CSS rules that will override the default pdf.css values; by default, there won't be a pdf.css file on your filesystem, but you can create it in the or specify it in your skin page
- xhtmlxsl: contains the XHTML2FO XSL transformation that will override the default one
- fopxs1: contains the FOP XSL transformation that will override the default one

For each property added, make sure to set the Content property metadata to PureText in order to not get the WYSIWYG editor which would make it complex to enter XI

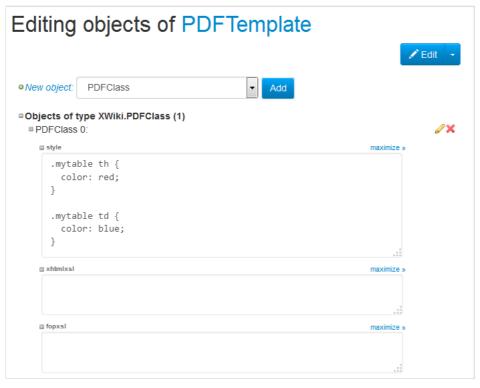


Then, create the wiki page for which your want to customize the PDF export (e.g. XWiki.PDFTemplate) and add a "XWiki.PDFClass" object to it.

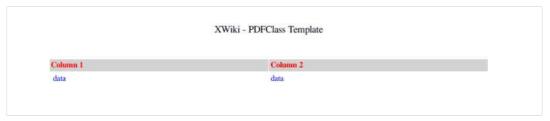
Supposing your wiki page contains a table, you have to edit it in "Wiki" mode and add a style parameter as shown below:

```
(% class="mytable" %)
|=Column 1|=Column 2
| data|data
```

Next, edit the page in "Objects" mode and write your own CSS rules in the "style" property: $\frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2}$



Because no template is used by default, you need to specify the pdftemplate parameter in the URL in order to use your own template: http://yourserver/xwiki/bin/export/format=pdf&pdftemplate=XWiki.PDFTemplate.



Even though RTF export is expected to work the same way, there are still some issues to be solved affecting how CSS properties control the final layout.

If some CSS styling doesn't work on PDF export, you could check if CSS instruction is supported by XSL-FO on Apache™ FOP Compliance Page (https://xmlgraphics Furthermore, you can not use multiple attributes to select a CSS element (see issue: XWIKI-14653 (https://jira.xwiki.org/browse/XWIKI-14653)).

Override the xhtml2fo.xsl rules

As explained above, the entire code of xhtml2fo.xsl (http://www.github.com/xwiki/xwiki-platform/tree/master/xwiki-platform-core/xwiki-platform-oldcore/src/main/resources/the xhtmlxsl textarea and then customized.

For example, to disable the generation of clickable URLs in the PDF, modify the following section:

```
<xsl:template match="html:a[@href]" mode="transform">
        <fo:basic-link xsl:use-attribute-sets="a-link">
            <xsl:call-template name="process-a-link"/>
        </fo:basic-link>
    </xsl:template>
    <xsl:template match="html:a[@href]" mode="transform">
        <fo:inline>
            <xsl:call-template name="process-a-link"/>
        </fo:inline>
    </xsl:template>
or disable the generation of clickable URLs for some specific href links in the PDF
    <xsl:template match="html:a[@href]" mode="transform">
        <xsl:choose>
            <!-- disable these internal links ("data-parent" attribute start with "#accordion" or href is "#my_anchor") -->
            <xsl:when test="starts-with(@data-parent,'#accordion') or @href = '#my_anchor'">
                <xsl:call-template name="process-a-link"/>
              </fo:inline>
            </xsl:when>
            <xsl:otherwise>
              <fo:basic-link xsl:use-attribute-sets="a-link">
                <xsl:call-template name="process-a-link"/>
```

Debugging PDF export

To inspect contents of created XHTML file (and be able to style it) - turn on logging <xwiki>/xwiki/bin/view/AdminGuide/Logging and set com.xpn.xwiki level to DEBUG. At containing intermediates states XHTML code after theses lines:

```
DEBUG c.x.x.p.i.PdfExportImpl
                                    - Cleaning HTML: //(show XHTML code without style)//
DEBUG c.x.x.p.i.PdfExportImpl
                                    - Cleaned XHTML:
DEBUG c.x.x.p.i.PdfExportImpl
                                    - Applying the following CSS: //(show CSS properties)//
DEBUG c.x.x.p.i.PdfExportImpl
                                    - HTML with CSS applied: //(show HTML code with CSS properties merged in tag with "style=" )//
DEBUG c.x.x.p.i.PdfExportImpl
                                    - Final XHTML for export:
                                    - Intermediary XSL-FO: //(show document with eXtensible Stylesheet Language - Formatting Objects
DEBUG c.x.x.p.i.PdfExportImpl
DEBUG c.x.x.p.i.PdfExportImpl
                                    - Final XSL-FO source:
and finally DEBUG c.x.x.p.i.PdfExportImpl
                                                 - PageSequence x-page-sequence generated 3 pages.
```

Configuring Wiki Syntaxes and default Syntax

To know how to configure the Wiki syntaxes (https://platform.xwiki.org/xwiki/bin/view/Main/XWikiSyntax) that are available to the user when writing wiki pages, check the I (https://extensions.xwiki.org/xwiki/bin/view/Extension/Rendering%20Administration%20Application/).

Title behavior

The following configuration parameters (found in xwiki.cfg) can be used to control title behavior:

```
#-# Defines whether title handling should be using the compatibility mode or not. When the compatibility
#-# mode is active, XWiki will try to extract a title from the document content.
#-# If the document's content first header (level 1 or level 2) matches the document's title
#-# the first header is stripped.
#-# The default value is 0.
# xwiki.title.compatibility=1
#-# Defines the maximum header depth to look for when computing a document's title from its content. If no header
#-# equal or lower to the specified depth is found then the computed title falls back to the document name.
#-# The default value is 2.
# xwiki.title.headerdepth=2
#-# Defines if setting the title field must be mandatory in the WYSIWYG and Wiki editors. It is mandatory when this
#-# property is set to 1. The default value is 0 (not mandatory).
# xwiki.title.mandatory=0
```

Link Label Generation

Starting with XWiki Syntax 2.0 it's possible to configure how labels are generated by the system when the user doesn't provide one (e.g. Main (https://platform.xwi

 $Her's \ an \ extract \ from \ the \ xwiki.properties \ file \ which \ is \ where \ this \ feature \ is \ configurable:$

```
#-# [Since 1.8RC2]
#-# Specifies how links labels are displayed when the user doesn't specify the label explicitly.
#-# Valid values:
     %w: wiki name
#-#
     %s: full space name (e.g. space1.space2)
#-#
          Note: Prior to 7.4.2/8.0M2 this was only displaying the last space name
#-#
     %ls: last space name. New in 7.4.2/8.0M2
#-#
     %np: nested page name (i.e. will display the space name for Nested Pages). New in 7.4.2/8.0M2
#-#
     %P: page name with spaces between camel case words, i.e. "My Page" if the page name is "MyPage"
#-#
     %NP: nested page name with spaces between camel case words, i.e. "My Page" if the page name is "MyPage".
#-#
           New in 7.4.2/8.0M2
#-#
     %t: page title
#-#
#-# Note that if the page title is empty or not defined then it defaults to %np. This is also the case
#-# if the title cannot be retrieved for the document.
#-#
#-# The default is "%np". Some examples: "%s.%p", "%w:%s.%p".
# rendering.linkLabelFormat = %np
```

Rendering Cache

See the Performance page (/xwiki/bin/view/Documentation/AdminGuide/Performances/#HRenderingcache)

Allowed Pages for Inactive Users

The xwiki.cfg configuration file includes a property called xwiki.inactiveuser.allowedpages. This property can be used to build a whitelist of pages that can be read to should be used is a comma-separated list of pages that users that are marked as inactive are allowed to see.

This property is needed due to the fact that in XWiki, some users can be marked as inactive, for example when enabling user email verification in the administration. An ir account needs to be validated in order for the user to be able to access the wiki. Access rights do not apply to inactive users (they are recognized neither as XWikiGuest

Inactive users are always allowed to see the XWiki.AccountValidation page in order to validate their account.

Rendering Transformations

You can control which Transformations (http://rendering.xwiki.org/xwiki/bin/view/Main/Architecture) are active (by default the Macro (http://rendering.xwiki.org/xwiki/bin/vie (http://rendering.xwiki.org/xwiki/bin/view/Main/Transformations#HlconTransformation) ones are active by default) by editing xwiki.properties:

```
#-# [Since 2.6RC1]
#-# Controls what transformations will be executed when rendering content.
#-# A transformation modifies the parsed content. For example the Icon transformation replaces some characters with
#-# icons, a WikiWord transformation will automatically create links when it finds wiki words, etc.
#-# Note that the Macro transformation is a special transformation that replaces macro markers by the result of the
#-# macro execution. If you don't list it, macros won't get executed.
#-# The default value is: rendering.transformations = macro, icon
```

For example if you wish to turn off the Icon Transformation in order to not render emoticons, you'd have to define the following property: rendering.transformations:

Securing Groovy Scripts

See

- The Commons Groovy Module (https://extensions.xwiki.org/xwiki/bin/view/Extension/GroovyModuleCommons)
- The Platform Groovy Module (https://extensions.xwiki.org/xwiki/bin/view/Extension/GroovyModulePlatform)

Lock Duration

By default, when a user starts editing a page, a lock will be set on that page, see Page Editing (/xwiki/bin/view/Documentation/UserGuide/Features/PageEditing#HLockin minutes, after which it gets invalidated.

In order to increase this duration, you have 2 options:

- Add a property named lock_Timeout to your xwiki.cfg configuration file, and set the value in seconds (and restart XWiki). For example for 15 minutes: lock_Ti
- Or add the configuration in the wiki itself:
 - Edit the XWiki.XWikiPreferences document using the class editor
 - Add a Number property named lock_Timeout (case sensitive)
 - Edit the XWiki.XWikiPreferences document using the object editor
 - Find the lock_Timeout property and put the desired number of *seconds* a lock should be valid for
 - Don't forget to save the document

Section Editing

By default section editing is limited to level 1 and level 2 sections. This can be controlled by editing xwiki.cfg:

```
#-# This parameter controls the depth of sections that have section editing.
#-# By default level 1 and level 2 sections have section editing.
xwiki.section.depth=2
```

You can also enable/disable section editing with:

```
#-# This parameter will activate the sectional editing.
xwiki.section.edit=1
```

Sample xwiki.cfg

See xwiki.cfg.vm (http://www.github.com/xwiki/xwiki-platform/tree/master/xwiki-platform-tools/xwiki-platform-tool-configuration-resources/src/main/resources/xwiki.cfg.vm)

Note that we generate the default xwiki.cfg file from this template file by applying Velocity on it during the build, so all \$<something> properties that you see in this file

Sample xwiki.properties

See xwiki.properties.vm (http://www.github.com/xwiki/xwiki-platform/tree/master/xwiki-platform-tools/xwiki-platform-tool-configuration-resources/src/main/resources/xwiki.platform-tools/xwiki-platform-tool-configuration-resources/src/main/resources/xwiki.platform-tools/xwiki-platform-tools/xwiki-platform-tool-configuration-resources/src/main/resources/xwiki.platform-tools/xwiki-platform-tools/xwiki-platform-tool-configuration-resources/src/main/resources/xwiki.platform-tools/xwiki-platform-tools/xwiki-platform-tool-configuration-resources/src/main/resources/xwiki.platform-tools/xwiki-platform-tools/xwiki-platform-tool-configuration-resources/src/main/resources/xwiki.platform-tools/xwiki-platform-tool-configuration-resources/src/main/resources/xwiki.platform-tools/xwiki-platfor

Tags:

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

- CommentCaptcha.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/CommentCaptcha.png)
 1.1 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/CommentCaptcha.png)
 Posted by Caleb James DeLisle (/xwiki/bin/view/XWiki/Caleb_James_DeLisle) on 2010/03/25 (16.6kb)
- CreatePDFClass.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/CreatePDFClass.png)
 1.2 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/CreatePDFClass.png)
 Posted by Silvia Macovei (/xwiki/bin/view/XWiki/SilviaRusu) on 2014/12/15 (24.3kb)
- CreatePDFTemplate.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/CreatePDFTemplate.png)
 1.2 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/CreatePDFTemplate.png)
 Posted by Silvia Macovei (/xwiki/bin/view/XWiki/SilviaRusu) on 2014/12/15 (23.4kb)
- CustomizedPDF.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/CustomizedPDF.png)
 1.2 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/CustomizedPDF.png)
 Posted by Silvia Macovei (/xwiki/bin/view/XWiki/SilviaRusu) on 2014/12/15 (6.6kb)
- default-wysiwyg-config.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/default-wysiwyg-config.png)
 1.1 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/default-wysiwyg-config.png)
 Posted by Marius Dumitru Florea (/xwiki/bin/view/XWiki/mflorea) on 2017/01/17 (42.4kb)
- DefaultEditor.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/DefaultEditor.png)
 1.1 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/DefaultEditor.png)
 Posted by Sorin Burjan (/xwiki/bin/view/XWiki/Sorin) on 2010/06/23 (41.1kb)
- DefaultEditorStarting30.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/DefaultEditorStarting30.png)
 1.2 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/DefaultEditorStarting30.png)
 Posted by Silvia Macovei (/xwiki/bin/view/XWiki/SilviaRusu) on 2014/12/15 (57.9kb)
- MailSettings.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/MailSettings.png)
 1.1 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/MailSettings.png)
 Posted by Sorin Burjan (/xwiki/bin/view/XWiki/Sorin) on 2010/08/25 (30.4kb)
- MailSettingsStarting30.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/MailSettingsStarting30.png)
 1.2 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/MailSettingsStarting30.png)
 Posted by Silvia Macovei (/xwiki/bin/view/XWiki/SilviaRusu) on 2014/12/15 (105.6kb)
- OverridePDFCover.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/OverridePDFCover.png)
 1.2 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/OverridePDFCover.png)
 Posted by Silvia Macovei (/xwiki/bin/view/XWiki/SilviaRusu) on 2014/12/15 (70.3kb)
- OverridePDFCoverFinal.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/OverridePDFCoverFinal.png)
 1.2 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/OverridePDFCoverFinal.png)
 Posted by Silvia Macovei (/xwiki/bin/view/XWiki/SilviaRusu) on 2014/12/15 (24.0kb)
- OverridePDFFooter.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/OverridePDFFooter.png)
 1.2 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/OverridePDFFooter.png)
 Posted by Silvia Macovei (/xwiki/bin/view/XWiki/SilviaRusu) on 2014/12/15 (68.4kb)
- OverridePDFFooterEdit1.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/OverridePDFFooterEdit1.png) 1.2 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/OverridePDFFooterEdit1.png) Posted by Silvia Macovei (/xwiki/bin/view/XWiki/SilviaRusu) on 2014/12/15 (41.2kb)
- OverridePDFFooterFinal.png (/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/OverridePDFFooterFinal.png)
 1.2 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/OverridePDFFooterFinal.png)
 Posted by Silvia Macovei (/xwiki/bin/view/XWiki/SilviaRusu) on 2014/12/15 (22.9kb)
- XWikiExport201010281437.graffle

(/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/XWikiExport201010281437.graffle)
1.1 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/XWikiExport201010281437.graffle)
Posted by Ricardo Rodríguez (/xwiki/bin/view/XWiki/rrodríguez) on 2010/10/28 (244.6kb)

XWikiExport201010281437.png

(/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/XWikiExport201010281437.png) 1.3 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/XWikiExport201010281437.png) Posted by Ricardo Rodríguez (/xwiki/bin/view/XWiki/rrodriguez) on 2010/10/28 (364.1kb)

XWikiExport201010290119.graffle

(/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/XWikiExport201010290119.graffle)

1.1 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/XWikiExport201010290119.graffle) Posted by Ricardo Rodríguez (/xwiki/bin/view/XWiki/rrodriguez) on 2010/10/29 (277.7kb)

XWikiExport201010290119.png

(/xwiki/bin/download/Documentation/AdminGuide/Configuration/WebHome/XWikiExport201010290119.png)
1.1 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Configuration/WebHome/XWikiExport201010290119.png)
Posted by Ricardo Rodríguez (/xwiki/bin/view/XWiki/rrodriguez) on 2010/10/29 (158.7kb)

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Media Resources (https://dev.xwiki.org/xwiki/bin/view/Community/Media)
Sponsors (/xwiki/bin/view/Main/Supporters)
Legal Notice (/xwiki/bin/view/Main/LegalNotice/)

Platform

USER GUIDE

Getting Started (https://enterprise.xwiki.org/xwiki/bin/view/GettingStarted/)
Tutorials and Videos (https://enterprise.xwiki.org/xwiki/bin/view/UserGuide/)
Features Overview (https://platform.xwiki.org/xwiki/bin/view/Features/)

DEVELOPER GUIDE

All topics (https://platform.xwiki.org/xwiki/bin/view/DevGuide/)
Architecture (https://platform.xwiki.org/xwiki/bin/view/DevGuide/Architecture)
Scripting (https://platform.xwiki.org/xwiki/bin/view/DevGuide/Scripting)
API Reference (https://platform.xwiki.org/xwiki/bin/view/DevGuide/API)
Tutorials and Guides (https://platform.xwiki.org/xwiki/bin/view/DevGuide/)

Projects

XWIKI

Overview (https://enterprise.xwiki.org/xwiki/bin/view/Main/)
Features (https://enterprise.xwiki.org/xwiki/bin/view/Main/Features)
Documentation (https://enterprise.xwiki.org/xwiki/bin/view/Main/Documentation)
Roadmap (/xwiki/bin/view/Roadmaps/)
Release Notes (/xwiki/bin/view/ReleaseNotes/)

Download (https://enterprise.xwiki.org/xwiki/bin/view/Main/Download)

All projects (/xwiki/bin/view/Main/Forge)
XWiki Rendering (http://rendering.xwiki.org/xwiki/bin/view/Main/)
XWiki Commons (https://commons.xwiki.org/xwiki/bin/view/Main/)

Contribute

STATUS

All topics (https://dev.xwiki.org/xwiki/bin/view/Main/)
Governance (https://dev.xwiki.org/xwiki/bin/view/Community/Governance)
Project Health (https://dev.xwiki.org/xwiki/bin/view/Community/ProjectHealth)
Committership (https://dev.xwiki.org/xwiki/bin/view/Community/Committership)
Hall Of Fame (https://dev.xwiki.org/xwiki/bin/view/Community/HallOfFame)
Browser Support
(https://dev.xwiki.org/xwiki/bin/view/Community/BrowserSupportStrategy)

UNDER THE HOOD

Source Repository (https://dev.xwiki.org/xwiki/bin/view/Community/SourceRepository)
Building (https://dev.xwiki.org/xwiki/bin/view/Community/Building)
Continuous build (https://dev.xwiki.org/xwiki/bin/view/Community/ContinuousBuild)
Testing (https://dev.xwiki.org/xwiki/bin/view/Community/Testing)
Debugging (https://dev.xwiki.org/xwiki/bin/view/Community/Debugging)
Profiling (https://dev.xwiki.org/xwiki/bin/view/Community/Profiling)

Configuration (XWiki.org)

FAQs (/xwiki/bin/view/FAQ/)
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Encoding

Last modified by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2018/12/17

Below you have the configuration for UTF-8. Note that this is valid for XWiki 1.0 b5 and above. Easier configuration might be provided for upcoming releases.

XWiki encoding

Change the charset encoding in these XWiki files:

 web.xml: locate the filter class org.xwiki.container.servlet.filters.internal.SetCharacterEncodingFilter and change it to UTF-8. It should look like this:

```
Jetty
<filter>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tomcat
                           <filter-name>Set Character Encoding</filter-name>
                          \verb|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilter<|\container.servlet.filters.internal.SetCharacterEncodingFilters<|\container.servlet.filters.internal.SetCharacterEncodingFilters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.servlet.filters<|\container.s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Web server
                          <init-param>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Apache
                                       <param-name>encoding</param-name>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            · System config
                                       <param-value>UTF-8</param-value>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            · OpenOffice import
                           </init-param>

    Tools

</filter>
```

• xwiki.cfg: locate the line containing xwiki.encoding and change it to look like this:

```
xwiki.encoding = UTF-8
```

HTML encoding

Change the HTML encoding in XWiki through Administration --> Look & Feel --> Page Elements --> HTTP Meta Info.

The HTTP Meta Info section was located in Administration --> Presentation in older versions of XWiki.

Inside this textbox locate the Content-type meta tag and make it look like this, changing the encoding to UTF-8

```
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
```

This step is not needed if you have the following. Instead that line can be left alone.

```
<meta http-equiv="Content-Type" content="text/html; charset=$!xwiki.encoding" />
```

Database configuration

MySQL

It's common practice that the MySQL configuration file, in *nix systems is located in \$\$/etc/mysql/my.cnf.

MySQL < 5.5.3

```
[client]
default-character-set=utf8
```

https://www.xwiki.org/xwiki/bin/view/Documentation/AdminGuide/Configuration/Encoding/

```
[mysqld]
default-character-set=utf8
character-set-server = utf8
collation-server = utf8_bin
```

MySQL >= 5.5.3

Starting with MySQL 5.5.3 the option default-character-set=utf8 is deprecated under [mysql].

```
[client]
default-character-set=utf8
[mysqld]
character-set-server = utf8
collation-server = utf8 bin
```

Servlet Container

Jetty

```
echo off
rem set LANG=fr_FR.IS08859-1
set LANG=en_US.UTF-8
set JETTY_PORT=8080
set JETTY_HOME=.
java %JAVA_OPTS% -Djetty.port=%JETTY_PORT% -Djetty.home=%JETTY_HOME% -Dfile.encoding=UTF-8 -jar %JETTY_HOME%/start.jar
```

Instead of the config system variable LANG you can use JVM properties.

```
-Duser.language=en
-Duser.country=US
```

in server startup script.

Tomcat

In order to enable UTF-8 in tomcat, you have to add

```
URIEncoding="UTF-8"
```

to each connector enabled/used in conf/server.xml. For example the non-SSL HTTP Connector should read:

```
<Connector port="8080" maxHttpHeaderSize="8192"
   maxThreads="150" minSpareThreads="25" maxSpareThreads="75"
   enableLookups="false" redirectPort="8443" acceptCount="100"
   connectionTimeout="20000" disableUploadTimeout="true"
   URIEncoding="UTF-8"/>
```

In case you're using AJP to connect Tomcat and httpd, make sure you add this attribute to the AJP connector.

Glassfish (http://glassfish.java.net/)

To run XWiki with UTF-8 in Glassfish you will need to recreate the XWiki WAR file and do a change to the glassfish config. First, in the Administration GUI under Domain => General => Locale enter en_US.UTF-8.

Now you will need to add all the aforementioned changes from this document to the files in the war file, create a new warfile, and deploy that one to your glassfish installation. This is required due to the fact that Glassfish will not accept changes to a deployed web.xml file. So you need to deploy a ready changed web.xml file inside your war file because all subsequent changes to the deployed web.xml file in the filesystem are totally ignored.

Create a new directory that we will use as a temporary place to edit our war file:

```
mkdir xwikitmp
```

Unpack the warfile (replace <suffix> with the proper name for the version of XWiki you're using):

```
cd xwikitemp;jar xvf ../xwiki-<suffix>.war
```

Edit the files as mentioned in the beginning of this article:

- · wiki.cfg
- web.xml
- · hibernate.cfg.xml

Now let's create a new warfile which contains all the changes:

```
jar cvf ../xwiki-<suffix>.war .
```

Now you can deploy your new .war file to Glassfish and it will have all the changes in it and wll be correctly deployed.

Web server

Apache

Make sure that the Apache configuration file httpd.conf contains the following line:

AddDefaultCharset UTF-8

System config

Add the following variables to your system:

```
LANG = en_US.UTF-8
```

Credits (http://markmail.org/message/qitvntzz7cwpyo2w)

OpenOffice import

If OpenOffice import turns characters into question marks or HTML Entity you need to edit registrymodifications.xcu located in user profile used by the OO server by adding:

<item

```
oor:path="/org.openoffice.Office.Common/Filter/HTML/Export">cprop
oor:name="Encoding" oor:op="fuse"><value>76</value></prop></item>
```

Credits (http://lists.xwiki.org/pipermail/users/2011-November/021004.html)

Tools

• The Admin Tools extension (https://extensions.xwiki.org/xwiki/bin/view/Extension/Admin%20Tools%20Application) can be helpful to identify the values of the XWiki encoding configuration parameters on a running server.

Tags:

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

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Group Management

Last modified by Ecaterina Moraru (Valica) (/xwiki/bin/view/XWiki/evalica) on 2017/09/06

These instructions assume you're using XWiki 1.2 or later with the **Colibri**,

Albatross or Toucan skins

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- · Adding groups to your wiki
- · Editing an existing group
- · Deleting an existing group
- Modify the number of groups displayed in the list

(/xwiki/bin/view/Documentation/AdminGuide/Skins) (screenshots for Colibri).

Adding groups to your wiki

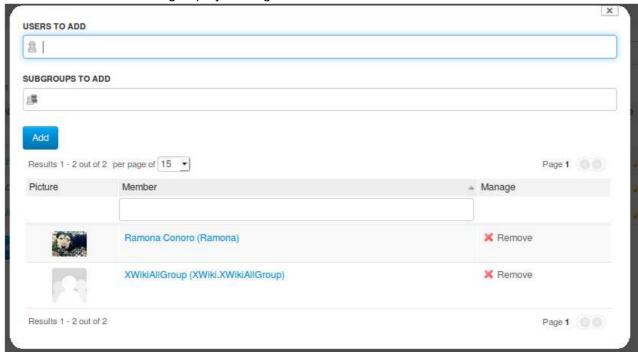
- 1. Log in as an administrator
- 2. Hover over "Wiki" and click on "Administer Wiki"
- 3. Click on the "Groups" link to bring up an overview of all the groups
- 4. Click on the "Add new group" button to open the group creation lightbox as shown on the image below
- 5. Fill in the group name
- 6. Click the "Create Group" button



Editing an existing group

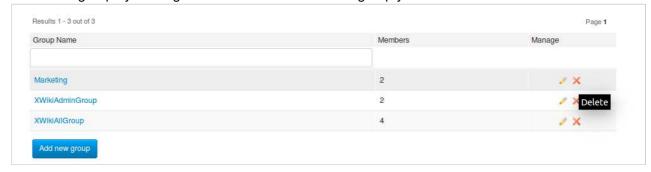
- 1. Log in as an administrator
- 2. Hover over "Wiki" and click on "Administer Wiki"
- 3. Click on the "Groups" link to bring up an overview of all the groups
- 4. You have two options:
 - 1. Click the group name for the group you want to edit
 - On the group page click "Edit" in the top left corner (this will open a page where you can edit the members of the group (if any))
 - 2. Click on the small yellow pencil near the group you want to edit (this will open a lightbox with the members of that group)
- 5. Here's how you can add a new user to the group:

- Start typing the user's name in the "Users to add" input field. After starting to type, if the user
 exists, a suggest feature will be displayed, containing a list of all the users whose names contain
 the typed letters, so you can select the user you want from that list
- Click "Add"
- 6. Here's how you can add a subgroup to the current group:
 - Start typing the group's name in the "Subgroups to add" input field. After starting to type, if the
 group exists, a suggest feature will be displayed, containing a list of all the groups whose names
 contain the typed letters, so you can select the group you want from that list
 - Click "Add"
- 7. You can delete a user or a group by clicking on the red "X" button as shown below:



Deleting an existing group

- 1. Log in as an administrator
- 2. Hover over "Wiki" and click on "Administer Wiki"
- 3. Click on the "Groups" link to bring up an overview of all the groups
- 4. Delete the group by clicking on the red "X" button for the group you wish to delete



When you delete a group, the users or groups in that group are not deleted. If you also want to delete the members of the group, you will have to delete them manually from the *Users* and the *Groups* pages.

Modify the number of groups displayed in the list

This is valid as of v3.5 (I think it works on any 3.x version).

You have to edit XWiki. AdminGroups Sheet for groups.

The page contains a line like this:

```
var ta = new XWiki.widgets.LiveTable("$url", "groupstable", callback);
```

Just replace it with:

```
var ta = new XWiki.widgets.LiveTable("$url", "groupstable", callback, {limit: 100});
```

where 100 is the number of items displayed per page.

Tags:

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

creategroup.jpg

(/xwiki/bin/download/Documentation/AdminGuide/Group%20Management/creategroup.jp 1.2 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Group%20Management/creategroup.jpg)
Posted by Evelina Slatineanu (/xwiki/bin/view/XWiki/EvelinaSlatineanu) on 2008/11/26 (13.2kb)

CreateGroup.png

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Posted by Ramona Conoro (/xwiki/bin/view/XWiki/RamonaConoro) on 2015/05/21 (8.5kb)

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Installation

Last modified by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2019/01/30

XWiki is a Java-based wiki and runs on a Servlet Container such as Tomcat, Jetty, JBoss, WebLogic, WebSphere, etc. It also uses a relational database to store its conte If you're upgrading an existing XWiki install check the Upgrade instructions page (/xwiki/bin/view/Documentation/AdminGuide/Upgrade).

Pick one of the installation methods to begin installing XWiki.

Once you've finished the installation check the other topics in the Admin Guide (/xwiki/bin/view/Documentation/AdminGuide/) for configuring and securing (/xwiki/bin/view.

Hardware and Software requirements

- Java 1.8.0_101 or greater installed for XWiki >= 8.1 (Java 7 or greater for XWiki < 8.1, Java 6 or greater for XWiki versions < 6.0). For the moment we don't recom
- A Servlet Container supporting Servlet 3.0.1 (Servlet 2.4 for XWiki versions < 7.0). Check the Servlet Containers officially supported by XWiki devs (https://dev.xwil-
- A Database and a JDBC 4 Driver for your database (JDBC 3 was required for XWiki versions < 7.0). Check the databases offically supported by XWiki devs (https://dev.xwiki.org/xwiki/bin/view/Community/BrowserSupportStrate
 A supported browser to access XWiki. Check the browsers offically supported by XWiki devs (https://dev.xwiki.org/xwiki/bin/view/Community/BrowserSupportStrate
- A supported browser to access xwiki. Check the browsers officially supported by xwiki devs (https://dev.xwiki.org/xwiki/bin/view/Confinitumity/browsersupportstrate
 Enough memory, check the Memory section (/xwiki/bin/view/Documentation/AdminGuide/Performances/#HMemory) of the Performance Guide (/xwiki/bin/view/Doc
- Enough CPU and RAM (/xwiki/bin/view/Documentation/AdminGuide/Performances/#HSizing)
- Check the release notes (/xwiki/bin/view/ReleaseNotes/) for the version you're installing to see what browsers and databases have been tested for it, and to see sp

Installation Methods

For testing XWiki, we highly recommend one of the following installation method:

- Using XWiki in the cloud (/xwiki/bin/view/Hosted/): This is by far the simplest to try XWiki since you don't need to install anything.
- Using a standalone distribution (/xwiki/bin/view/Documentation/AdminGuide/InstallationStandalone): Provides a built-in XWiki, with a portable database (HSQLDB) (/xwiki/bin/view/Documentation/AdminGuide/Installation/InstallationWAR/InstallationHSQL/)). If you need to use it in a production basis, you may look at the other o
- Using an official XWiki Docker image (https://hub.docker.com/_/xwiki/) : Provides an easy solution to test XWiki, with a configuration very close to a production set

For production installations, we recommend the following installation method:

• Using .deb package (usable for production) (/xwiki/bin/view/Documentation/AdminGuide/InstallationViaAPT): Provides a .deb package that can be used on a Debia

Last, you could manually deploy XWiki as a WAR into the Servlet Container of your choice and on the Database of your choice, if the previous methods were not good en

• Using .war package (usable for production) (/xwiki/bin/view/Documentation/AdminGuide/InstallationWAR): Provides a Java application package that has to be insta

Whatever the installation method, you should make sure to create the database indexes manually for indexes that are not created automatically (/xwiki/bin/view/Docun

Other Installation Methods

This section is about other, non-official ways of installing XWiki that have been contributed by the community.

Tutorials external to the xwiki.org site have not been validated for correctness by the XWiki Development Team and it's also possible that they are out of date or even r

- How to install XWiki on Debian 9 (https://linuxhostsupport.com/blog/how-to-install-xwiki-on-debian-9/)
- Ansible playbook for installing XWiki (https://github.com/rastandy/xwiki-ansible-playbook)
- Using yaourt on Arch Linux (https://github.com/xwiki-contrib/packaging-archlinux)
- XWiki On OpenShift (Platform-as-a-Service) (https://github.com/rkmallik/xwiki-example)
- XWiki On Windows (http://agoncalves.developpez.com/tutoriels/xwiki/creer-un-site-associatif/) (French)
- XWiki On Debian 4 (Etch) Tomcat PostgreSQL (or MySQL) (http://www.howtoforge.com/xwiki-tomcat-mysql-debian-etch) (English)
- XWiki On Debian 4 (Etch) Tomcat PostgreSQL (or MySQL) (http://www.howtoforge.de/howto/xwiki-on-debian-4-etch-tomcat-mysql) (German)
- XWiki On Windows GlassFish Oracle (http://etvc.myxwiki.org/xwiki/bin/view/UNA/XWikiInstalation) (Russian)
- XWiki on OpenSUSE Tomcat MySQL) (http://geistreicher-papierkorb.blogspot.com/2011/03/setting-up-xwiki-on-opensuse-with-mysql.html) (English)
- XWiki On Archlinux Tomcat hsql or MySQL (https://github.com/xwiki-contrib/packaging-archlinux) (English)
- Install XWiki on an Ubuntu 16.04 VPS (https://www.rosehosting.com/blog/install-xwiki-on-an-ubuntu-16-04-vps/) (English
- Install XWiki using Docker compose (https://zwindler.fr/wordpress/2016/09/15/installer-xwiki-8-2-1-avec-docker-compose-en-2-lignes-de-commandes) (French)
- $\bullet \quad \text{How to Install XWiki on CentOS 7 (https://thishosting.rocks/how-to-build-your-own-wiki-with-xwiki-on-centos/)} \quad \text{(English)}$
- XWiki in Windows PostgreSQL Tomcat 9 Waffle (https://www.youtube.com/watch?v=QLqsvQ5y6cl) (English, video)
- XWiki 10.9 with LDAP/SSO/MSSQL on Windows (http://www.ohjeah.net/2018/11/09/xwiki-10-9-with-Idapssomssql-on-windows/)

Accessing your wiki

Once you've installed XWiki using one of the methods defined above, you can access it by pointing your web browser to http://localhost:8080/xwiki.

Troubleshooting

You can verify some basic settings of your XWiki installation (on Tomcat, MySQL) using the Admin Tools application (https://extensions.xwiki.org/xwiki/bin/view/Extension.

What to do with an empty XWiki?

Running multiple instances of XWiki in the same container

If you get this error:

```
com.xpn.xwiki.XWikiException: Error number 3 in 0: Could not initialize main XWiki context
Wrapped Exception: Failed to get cache factory component
...
Caused by:
org.infinispan.jmx.JmxDomainConflictException: Domain already registered org.xwiki.infinispan
```

You need to edit WEB-INF/cache/infinispan/config.xml for each instance of XWiki.

- 1. For Infinispan up till version 6, change the jmxDomain value (found under the globalJmxStatistics tag) to have a unique name, or add allowDuplicateDomain
- 2. For Infinispan version 7, add <pmx duplicate-domains="true"/> element in <cache-container... element.

Running XWiki behind a proxy server

The extension manager relies on remote repositories for finding and fetching available extensions. If your XWiki is installed in a network which requires accessing the int In such cases, you can configure XWiki to use the proxy server.

XWiki uses default Java proxy configuration through Apache httpclient. See the Java Networking and Proxies documentation (http://docs.oracle.com/javase/6/docs/technormain idea is to add a set of proxy-related properties to the system scope.

For an installation using Tomcat 6 it could be done in the following way: modify /<tomcat-home>/bin/catalina.sh and added proxies to the JAVA_OPTS variable definit

```
JAVA_OPTS="$JAVA_OPTS -Dappserver.home=$CATALINA_HOME -Dappserver.base=$CATALINA_HOME -Dhttp.proxyHost=proxy.mycompany.com -Dhttp.prox
```

For an installation of the HSQLDB demo package you could do it by adding something like this to /xwiki-platform-distribution-flavor-jetty-hsqldb-x.y/start

```
XWIKI_OPTS="$XWIKI_OPTS -Dhttp.proxyHost=proxy.mycompany.com -Dhttp.proxyPort=7777 -Dhttps.proxyHost=proxy.mycompany.com -Dhttps.proxy
```

Note: If your proxy server only allows partial access to the internet you need to make sure that the sites store.xwiki.com, extensions.xwiki.org and nexus.xwiki.c

Debugging proxy configuration issues

If you are having trouble with debugging whether or not the proxy configuration you've just made is properly read by XWiki, you could drop the following groovy script in a

```
{{groovy}}
println "== Environment Variables =="
System.getenv().each { name, value -> println "Name: {{{$name}}} = Value {{{$value}}}" }
println ""
println "== Java System Properties =="
System.getProperties().each { name, value -> println "Name: {{{$name}}} = Value {{{$value}}}" }
{{/groovy}}
```

Additionally, you could also include this test content that actually tests if your XWiki instance is able to access the Internet (using the "httpbin" service; you can use anything

```
== Test HTTP Access ==
Your XWiki server's IP is:
{{\text{velocity}}}
$xwiki.getURLContent("http://httpbin.org/ip")
{{\text{velocity}}}

== Test HTTPS Access ==
Your XWiki server's IP is:
{{\text{velocity}}}
$xwiki.getURLContent("https://httpbin.org/ip")
{{\text{velocity}}}
```

Unsupported major.minor version 51.0

This is because starting with version 6.0, XWiki requires Java 7 and you're using Java 6. You need to upgrade your Java version.

Installing without internet connection

XIP package

Since 9.5 a XIP package is provided for the Standard flavor.

This is actually a zip file containing the required XWiki extensions for both the main wiki and subwikis, in the same format than the local extensions repository.

- · download (/xwiki/bin/view/Main/Download) it
- Unzip it (rename it to .zip if your zip tool does not recognize it) in the folder <permanentdirectory>/extension/repository (if you get complains about already
- · Restart XWiki if it was running
- · Resume standard installation, this time it will find the flavor locally

Other methods

Several options:

- Set up a local Extension Repository, either as a Maven Repository or using the Extension Repository Application (https://extensions.xwiki.org/xwiki/bin/view/Extens
- Install the Standalone Distribution (/xwiki/bin/view/Documentation/AdminGuide/InstallationStandalone) which contains a default set of wiki pages.
- Use the Offline Packager Maven plugin (https://github.com/xwiki-contrib/maven-plugin-offline-xwiki-repository-packager)

Extension Repositories

XWiki performs some checks at startup and even at runtime and tries to connects to remote Extension repositories. This will not cause any problem if you're offline but yo

extension.repositories=

Deprecated methods

Manually Import Wiki Pages

This is not supported anymore since 9.5

You can also skip the Distribution Wizard import the default Wiki that we are providing as a XAR file (http://download.forge.ow2.org/xwiki/) by using the Import feature (http://download.forge.ow2.org/xwiki/)

If you're upgrading an existing wiki using the manual Import feature, be careful that the XAR import operation will replace the content of the existing pages of your wiki On the other hand, if you use the Distribution Wizard, it'll automatically perform a merge and prompt you for action in case there's a conflict it cannot resolve automatic

Getting an error about SSL certificate

If you get an error in the log telling you that it fail to access some some https website it usually means you have a too old version of Java 8 (older that update 101) and yo

"File path too long" on Windows when unzipping

The Windows Operating System imposes a file path limit to around 260 characters (https://msdn.microsoft.com/en-us/library/aa365247(VS.85).aspx#maxpath) . XWiki's

- Install in a folder that is as close to the root of the drive as possible and uses a small name, e.g. C:\xwiki
- Install XWiki using the cygwin (https://www.cygwin.com/) environment that overcomes this limitation
- Starting with Windows 10, you can set or create the EnableLongPaths with a value of 1 in the in the HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Contro
- As Windows Unarchiver cannot unzip files with long paths, 7-Zip (https://www.7-zip.org/) can be used instead.

No attachments for this page

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

Aboui

Tags:

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- / Application installation into a wiki farm

(/xwiki/bin/view/Documentation/AdminGuide/Installation/ApplicationInstallationIntoWikiFarm/)

Application installation into a wiki farm

Last modified by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

As a rule, all application installations shold be done under a user with programming rights. This is true for wiki-farms also. But even though an installation on a wiki-farm will require more additional steps to make applications running.

Contents

- Manual way of granting programming rights permission
- Semi-manual way with Admin Tools

By default, XE Manager is not granting programming rights to pages while farm deployment, as the result, you will find that some applications fail to run on a wiki-farm (e.g. "Annotation application").

Another situation: you import an application correctly, but import itself is not granting programming rights (even if the user has them). The result is the same: the application fails to run.

To make the application running it's necessary to grant programming permission to several pages manually.

There are two ways to do it:

- · manually open-save manipulation per page with programming code
- semi-manually with the help of the Admin Tools Application
 (https://extensions.xwiki.org/xwiki/bin/view/Extension/Admin%20Tools%20Application)

Programming rights can be granted to an any user only in a main wiki. To access a wiki farm with programming rights, you should follow these steps:

- create an user in the main wiki with an user name that does NOT exist in the wiki farm
- · grant this user programming rights
- · log in the wiki farm as any user with admin rights
- add a global user with programming rights to the wiki farm and grant him admin rights for the wiki farm
- · log in to the wiki farm as a global user with programming rights

Manual way of granting programming rights permission

· Log in into the wiki farm with a user with programming rights

 For each application page that requires programming rights do the following: open and save with no changes

For example, for the Annotation Application

(https://extensions.xwiki.org/xwiki/bin/view/Extension/Annotations%20Application) (bundled with platform by default), the following pages should be re-saved:

- 1. AnnotationCode.Style
- 2. AnnotationCode.Script
- 3. AnnotationCode.Settings

Semi-manual way with Admin Tools

- Import the Admin Tools Application
 (https://extensions.xwiki.org/xwiki/bin/view/Extension/Admin%20Tools%20Application) in the main
 wiki under a user with programming rights
- 2. Open the page Admin. CheckProgrammingRights
- 3. Confirm programming rights by pressing the link Confirm give programming rights
- 4. If everything is successful, you'd see something like this:
 - fixing Main.Spaces
 - fixing Main.Activity
 - fixing AnnotationCode.Style
 - fixing AnnotationCode.Script
 - fixing AnnotationCode.Settings
- 5. Checking the application on wiki farms gives positive result it works

Tags: Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

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```

Fill a local Maven repository with the default user interface extensions

Last modified by Clemens Robbenhaar (/xwiki/bin/view/XWiki/ClemensRobbenhaar) on 2018/07/16

This should only be used if the server in which to install XWiki has no network access, and no other means to install the user interface is available.

This only works if you want to install extensions via the extension manager, and you know how to use the "extended search". It will not work when installing the main L must use an alternative method, like the XIP package (/xwiki/bin/view/Documentation/AdminGuide/Installation/#HXIPpackage).

Prerequisites

- · a staging / development server which has access to the internet, to collect the necessary resources from there
- a minimal development environment on the staging server including the mvn tool, as if you want to build XWiki from Source (https://dev.xwiki.org/xwiki/bin/view/Con
- a way to copy the resources from the staging to the production server
- write access to the xwiki.properties on the server

Download the UI resources

First make sure that you have the right settings.xml on the staging server, which has the XWiki repositories enabled.

You also might want to move away your current \$HOME/.m2/repository temporarily to mimimize the amount of files to be transferred to production later.

Create an empty directory and place the following file as pom.xml in it:

```
<modelVersion>4.0.0</modelVersion>
 <parent>
  <groupId>org.xwiki.commons
   <artifactId>xwiki-commons-pom</artifactId>
   <version>7.4</version>
 </parent>
 <groupId>never-mind</groupId>
 <artifactId>never-mind</artifactId>
 <version>0.0</version>
 <name>dummy download package
 <packaging>pom</packaging>
 <dependencies>
   <dependency>
    <groupId>org.xwiki.enterprise
    <artifactId>xwiki-enterprise-ui-mainwiki</artifactId>
    <version>7.4</version>
    <type>xar</type>
   </dependency>
   [... add the extensions that you want to install here ...]
 </dependencies>
</project>
```

Make sure to update the version numbers (here 7.4) in both the parent> and the <dependencies>.

Open a command line, change to the directory created in the previous step and issue the command:

mvn clean org.apache.maven.plugins:maven-dependency-plugin:go-offline

This should download all the required resources and dependencies.

Install the resources on the server

As the next step, copy the complete /.m2/repository to a directory on the production server where the user running the XWiki webapp can read it.

 $\textbf{(TODO:}\ tigure\ out\ if\ only\ parts\ of\ the\ directory\ are\ sufficient,\ i.e.\ /\ .m2/repository/org/xwiki)}$

Configure in the xwiki.properties the destination directory on the server as the "main xwiki" repository:

extension.repositories=maven-xwiki:maven:file:/path/to/copy/of/the/.m2/repository

You now can install the extension offline by typing in the groupId: artifactId as extension id (e.g. org.xwiki.contrib:xwiki-application-admintools for the Adn (https://extensions.xwiki.org/xwiki/bin/view/Extension/Admin%20Tools%20Application) and then the version number. (Searching for the extension by name will not work, t

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

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Install the wiki UI

Last modified by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2018/06/18

At this point your wiki is empty, i.e it doesn't contain any wiki page. Since applications in XWiki are done in wiki pages you also don't any application available (e.g. Blog, User Directory, User Profiles, etc). In addition, you wiki doesn't contain any user.

Thus the final step is to fill your Wiki with some initial content (i.e. wiki pages).

This is the job of the Distribution Wizard

(https://platform.xwiki.org/xwiki/bin/view/Features/DistributionWizard) which automatically starts when you are browsing your new XWiki instance for the first time.

The default distribution is a fully configured wiki that you can use as a starting point for creating your own wiki content. It provides the following:

- A Dashboard (https://extensions.xwiki.org/xwiki/bin/view/Extension/Dashboard%20Application)
- A Panels Application (https://extensions.xwiki.org/xwiki/bin/view/Extension/Panels%20Application)
- Search (https://extensions.xwiki.org/xwiki/bin/view/Extension/Search%20Application)
- Administration features
 (https://extensions.xwiki.org/xwiki/bin/view/Extension/Administration%20Application) (Access rights,
 Group and users management, etc)
- · ... and much more

Installing without internet connection

XIP package

Since 9.5 a XIP package is provided for the Standard flavor.

This is actually a zip file containing the required XWiki extensions for both the main wiki and subwikis, in the same format than the local extensions repository.

- download (/xwiki/bin/view/Main/Download) it
- Unzip it (rename it to .zip if your zip tool does not recognize it) in the folder
 <permanentdirectory>/extension/repository (if you get complains about already existing files don't overwrite them)
- · Restart XWiki if it was running
- Resume standard installation, this time it will find the flavor locally

Other methods

Several options:

- Set up a local Extension Repository, either as a Maven Repository or using the Extension Repository
 Application (https://extensions.xwiki.org/xwiki/bin/view/Extension/Repository%20Application). Of
 course you'll need to prefill it with all the extensions you'll wish to install when offline
 (/xwiki/bin/view/Documentation/AdminGuide/FillLocalMavenRepository), which isn't something easy
 to do.
- Install the Standalone Distribution
 (/xwiki/bin/view/Documentation/AdminGuide/InstallationStandalone) which contains a default set of wiki pages.
- Use the Offline Packager Maven plugin (https://github.com/xwiki-contrib/maven-plugin-offline-xwiki-repository-packager)

Extension Repositories

XWiki performs some checks at startup and even at runtime and tries to connects to remote Extension repositories. This will not cause any problem if you're offline but you'll get some error logs. You may want to disable Extension repositories by editing your xwiki.properties config file and adding the following empty property (make sure that this is the only property defined with the name):

extension.repositories=

Deprecated methods

Manually Import Wiki Pages

This is not supported anymore since 9.5

You can also skip the Distribution Wizard import the default Wiki that we are providing as a XAR file (http://download.forge.ow2.org/xwiki/) by using the Import feature

(https://platform.xwiki.org/xwiki/bin/view/AdminGuide/ImportExport). Since there's no Admin user created at this point, you'll need to log in as superadmin

(https://platform.xwiki.org/xwiki/bin/view/AdminGuide/Configuration#HEnablesuperadminaccount) to be able to perform this import.

If you're upgrading an existing wiki using the manual Import feature, be careful that the XAR import operation will replace the content of the existing pages of your wiki with the content of the XAR (New pages that you have created will not be modified). As a consequence it's critical that you perform a backup (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/Backup) first and read the upgrade nodes bellow carefully.

On the other hand, if you use the Distribution Wizard, it'll automatically perform a merge and prompt you for action in case there's a conflict it cannot resolve automatically. Thus using the Distribution Wizard is what we recommend.

Tags: Created by Vincent Massol

(/xwiki/bin/view/XvViki/VincentiVlassol) on 2017/09/06

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Installing the Standalone Distribution

Last modified by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2018/11/25

1 Download

Before you start make sure you've read the System Requirements (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/Installation#HPrerequisites).

First, you need to download (/xwiki/bin/view/Download/) the suited XWiki version for your use case.

2 Install

The standalone package is a zip archive file that can be used for all platforms. Unzip it in any directory of your choice (let's call it XWIKIHOME).

Go to the directory where you've installed XWiki (XWIKIHOME) and run start_xwiki.bat in Windows or start_xwiki.sh on Unix or Mac.

To stop it, run the stop_xwiki.bat script on Windows and stop_xwiki.sh on Unix or Mac.

On Mac you will need to use "Open with Terminal" or run these scripts from the Terminal.

In some cases, you might already have a Web Server running on port 8080. If this happens you have to use another port, specified by passing an argument to the start script (e.g. using the port 8081, as in start_xwiki.sh -p 8081 for XWiki 6.2+ and start_xwiki.sh -8081 for older versions).

Do not close the terminal window that shows up. This is the XWiki server running.

3 Launch

Once XWiki is started point your browser to http://localhost:8080/.

4 Log in

You can log in using the default Admin user (first letter is capitalized). The default password is admin (lowercase).

You should read Getting Started Guide (https://enterprise.xwiki.org/xwiki/bin/view/UserGuide/) to learn how to use XWiki.

Tags:

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

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Installing XWiki .war package manually

Last modified by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2018/09/18

You'll need to perform 4 mandatory steps:

- · Install and configure a Servlet Container
- · Set a proper permanent directory
- · Install and configure a Relational Database
- · Install the XWiki UI

But first, you'll need to download

(https://enterprise.xwiki.org/xwiki/bin/view/Main/Download) the .war version of XWiki and check the System Requirements

(https://platform.xwiki.org/xwiki/bin/view/AdminGuide/Installation#HPrerequisites).

Install and configure a Servlet Container

XWiki will work with any Servlet Container (provided it's properly configured obviously). We're only listing instructions for a few containers but you can adapt these instructions for your favorite container.

- · Tomcat installation
 - (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationTomcat)
- $\bullet \quad \text{Jetty installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationJetty)}\\$
- GlassFish installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationGlassFish)
- WebSphere installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationWebSphere)
- JBoss Installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationJBoss)
- Oracle OC4J Installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationOC4J)
- Apache Geronimo (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationGeronimo)

Some containers have the Java Security Manager turned on. In this case, XWiki needs to be granted some permissions. Below there's a sample policy file if you want to run your container with the Security Manager active. Depending on the version of XWiki that you use and on the plugins/extensions that you use the permissions might need to be adjusted to your needs:

```
grant codeBase "file:<full-path-here>/webapps/xwiki/WEB-INF/lib/-" {
    permission java.util.PropertyPermission "file.encoding", "read";
// Needed by Hibernate -> antlr
    permission java.util.PropertyPermission "ANTLR DO NOT EXIT", "read";
    permission java.util.PropertyPermission "ANTLR_USE_DIRECT_CLASS_LOADING", "read";
// Needed by Hibernate and others
    permission java.lang.reflect.ReflectPermission "suppressAccessChecks";
    permission java.lang.RuntimePermission "createClassLoader";
   permission java.lang.RuntimePermission "setContextClassLoader";
// Needed by commons-logging
   permission java.util.PropertyPermission "org.apache.commons.logging.LogFactory.HashtableImpl", "read";
// Needed for connecting to the database
   permission java.net.SocketPermission "127.0.0.1:3306", "connect,resolve";
// Needed by the scheduler plugin -> quartz, but works without (maybe except scheduling? should be checked)
// permission java.util.PropertyPermission "org.quartz.properties", "read";
//Allow file storage directory reading - for directory and everything underneath
//This is dependent on the setting of environment.permanentDirectory in xwiki.properties
permission java.io.FilePermission "${catalina.home}${file.separator}xwikidata${file.separator}", "read,write,delete";
permission java.io.FilePermission "${catalina.home}${file.separator}xwikidata${file.separator}-", "read,write,delete";
//Allow file storage directory reading - temporary directory and everything underneath
//This is dependent on the setting of environment.temporaryDirectory in xwiki.properties.
permission java.io. File Permission ~$\{catalina.home\} \{file.separator\} temp \{file.separator\}", ~"read, write, delete"; and the permission java.io. File Permission ~$\{catalina.home\} \{file.separator\} temp \{file.separator\}", ~"read, write, delete"; and the permission ~$\{catalina.home\} \{file.separator\} temp \{file.separator\} \} = \{file.separator\} = \{file.se
permission java.io.FilePermission "${catalina.home}${file.separator}temp${file.separator}-", "read,write,delete";
```

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You're now ready to install and configure your relational database.

Set a proper permanent directory

Open WEB-INF/xwiki.properties and make sure to set a proper permanent directory (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/Configuration#HConfiguringDirectories).

Install and configure a Relational Database

XWiki can work with a lot of relational databases. We're only listing those that we have tested it on. However please note that the XWiki Developers only support some of those databases (https://dev.xwiki.org/xwiki/bin/view/Community/DatabaseSupportStrategy) and the other ones are supported by the community (the XWiki devs apply patches/Pull Requests).

The general strategy is the following:

- · Install your favorite RDBMS
- · Create a xwiki database
- Create a user with all privileges on that database
- Copy your RDBMS Java drivers to the XWiki webapp's WEB-INF/lib directory
- Configure XWiki to use the created database. This involves modifying the WEB-INF/hibernate.cfg.xml file as is described in the tutorials for
 each database below.
- · XWiki will automatically create the various tables it needs when it executes on the first run
- Add the missing indexes manually (/xwiki/bin/view/Documentation/AdminGuide/Performances/Database%20Administration/)

Specific databases instructions

Install and configure the database you wish to use:

- HSQL Installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationHSQL)
- MySQL Installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationMySQL)
- PostgreSQL Installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationPostgreSQL)
- Oracle Installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationOracle)
- DB2 Installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationDB2)
- Derby Installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationDerby)
- Microsoft SQL Server Installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationMSSQL)
- H2 Installation (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationH2)

Using a Data Source

A more scalable and J2EE-conformant tactic is to use the Servlet Container to manage your data source. You modify the web app as little as possible.

- Do not add your JDBC library to the web app. Install it to the container's classpath instead, like in \$CATALINA_HOME/common/lib.
- Do not set user, url, etc., nor connection.provider_class in hibernate.cfg.xml. The critical settings are connection.datasource (with JNDI name like java:/comp/env/jdbc/XWikiDS) and the dialect class for your DB vendor. Do not comment out <mapping resource="..."/> elements, hibernate needs them. Note that you should leave the provider_class unset, since XWiki's implementation doesn't handle container-managed data sources.
- Manage all database access settings using your container facilities, for example Tomcat admin webapp or server.xml + APPNAME.xml.
 Uncommenting the <resource-ref> element inside WEB-INF/web.xml that matches the above JNDI name and looks like </res-ref-name>jdbc/XWikiDS</res-ref-name> could be a good idea.

Install the XWiki UI

At this point your wiki is empty, i.e it doesn't contain any wiki page. Since applications in XWiki are done in wiki pages you also don't any application available (e.g. Blog, User Directory, User Profiles, etc). In addition, you wiki doesn't contain any user.

Thus the final step is to fill your Wiki with some initial content (i.e. wiki pages).

This is the job of the Distribution Wizard (https://platform.xwiki.org/xwiki/bin/view/Features/DistributionWizard) which automatically starts when you are browsing your new XWiki instance for the first time.

The default distribution is a fully configured wiki that you can use as a starting point for creating your own wiki content. It provides the following:

- A Dashboard (https://extensions.xwiki.org/xwiki/bin/view/Extension/Dashboard%20Application)
- A Panels Application (https://extensions.xwiki.org/xwiki/bin/view/Extension/Panels%20Application)
- · Search (https://extensions.xwiki.org/xwiki/bin/view/Extension/Search%20Application)
- Administration features (https://extensions.xwiki.org/xwiki/bin/view/Extension/Administration%20Application) (Access rights, Group and users management, etc)
- ... and much more

Installing without internet connection

XIP package

Since 9.5 a XIP package is provided for the Standard flavor.

This is actually a zip file containing the required XWiki extensions for both the main wiki and subwikis, in the same format than the local extensions repository.

- download (/xwiki/bin/view/Main/Download) it
- Unzip it (rename it to .zip if your zip tool does not recognize it) in the folder <permanentdirectory>/extension/repository (if you get complains about already existing files don't overwrite them)
- · Restart XWiki if it was running
- · Resume standard installation, this time it will find the flavor locally

Other methods

Several options:

- Set up a local Extension Repository, either as a Maven Repository or using the Extension Repository Application (https://extensions.xwiki.org/xwiki/bin/view/Extension/Repository%20Application). Of course you'll need to prefill it with all the extensions you'll wish to install when offline (/xwiki/bin/view/Documentation/AdminGuide/FillLocalMavenRepository), which isn't something easy to do.
- Install the Standalone Distribution (/xwiki/bin/view/Documentation/AdminGuide/InstallationStandalone) which contains a default set of wiki pages.
- Use the Offline Packager Maven plugin (https://github.com/xwiki-contrib/maven-plugin-offline-xwiki-repository-packager)

Extension Repositories

XWiki performs some checks at startup and even at runtime and tries to connects to remote Extension repositories. This will not cause any problem if you're offline but you'll get some error logs. You may want to disable Extension repositories by editing your xwiki.properties config file and adding the following empty property (make sure that this is the only property defined with the name):

extension.repositories=

Deprecated methods

Manually Import Wiki Pages

This is not supported anymore since 9.5

You can also skip the Distribution Wizard import the default Wiki that we are providing as a XAR file (http://download.forge.ow2.org/xwiki/) by using the Import feature (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/ImportExport). Since there's no Admin user created at this point, you'll need to log in as superadmin (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/Configuration#HEnablesuperadminaccount) to be able to perform this import.

If you're upgrading an existing wiki using the manual Import feature, be careful that the XAR import operation will replace the content of the existing pages of your wiki with the content of the XAR (New pages that you have created will not be modified). As a consequence it's critical that you perform a backup (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/Backup) first and read the upgrade nodes bellow carefully.

On the other hand, if you use the Distribution Wizard, it'll automatically perform a merge and prompt you for action in case there's a conflict it cannot resolve automatically. Thus using the Distribution Wizard is what we recommend.

Tags

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

No attachments for this page

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(https://dev.xwiki.org/xwiki/bin/view/Community/DevelopmentTools)
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Translate content (https://l10n.xwiki.org/)
Write Documentation (https://dev.xwiki.org/xwiki/bin/view/Community/DocGuide)

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(/xwiki/bin/view/Main/) ▼ / Documentation (/xwiki/bin/view/Documentation/) ▼ / ... / Installation (/xwiki/bin/view/Documentation/AdminGuide/Installation/) ▼ / Installation (/xwiki/bin/view/Documentation/AdminGuide/Installation/Installatio

Tomcat Installation

Last modified by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2019/01/28

Installation Steps

The Tomcat project has brought a change in the way they handle RequestDispatcher (https://bz.apache.org/bugzilla/show_bug.cgi?id=59317) which has caused re (https://jira.xwiki.org/browse/XWIKI-13556) for some versions of Tomcat. Thus you should **not** use the following Tomcat versions:

- >= 9.0.0.M5 and < 9.0.0.M10 for the 9.0.x branch (fixed in 9.0.0.M10)
- >= 8.5.1 and < 8.5.5 for the 8.5.x branch (fixed in 8.5.5)
- >= 8.0.34 and < 8.0.37 for the 8.0.x branch (fixed in 8.0.37)
- >= 7.0.70 and < 7.0.71 for the 7.0.x branch (fixed in 7.0.71)

There is an important Classloader related bug in 8.0.32 which makes impossible to use the code macro or write Python scripts so you should avoid this version if poss https://bz.apache.org/bugzilla/show_bug.cgi?id=58999. (https://bz.apache.org/bugzilla/show_bug.cgi?id=58999.)

- Download and install Tomcat (http://tomcat.apache.org/) (XWiki requires a Tomcat version >= 7 since it requires Servlet 3.0+). There are plenty of ways to install Tomcat site for more information. Let's call TOMCAT_HOME the directory where it's installed.
- Make sure you give enough memory to Java (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/InstallationTomcat#HOutOfMemoryError) since by default Tomca with enough memory for XWiki.
- Edit the conf/server.xml file to set the UTF-8 encoding:

```
<Connector port="8080" ... URIEncoding="UTF-8"/>
```

- Extract the XWiki WAR (/xwiki/bin/view/Main/Download) into a directory named xwiki in TOMCAT_HOME/webapps/
- $\bullet \quad \text{Open TOMCAT_HOME/webapps/xwiki/WEB-INF/xwiki.properties files and configure a permanent directory (https://platform.xwiki.org/xwiki/bin/view/AdminGuidenties)} \\$
- Start Tomcat
- When Tomcat has opened go to your wiki by accessing http://localhost:8080/xwiki/bin/view/Main/ (http://localhost:8080/xwiki/bin/view/Main/)
- NOTE if you have issues with maximum cache size In your \$CATALINA_BASE/conf/context.xml add the following content before </Context>:

```
<Resources cachingAllowed="true" cacheMaxSize="100000" />
```

Activate headless mode

If you're operating XWiki on a Linux server with no X11 libraries installed you have to enable headless mode for your Tomcat installation. Sometimes this is also needed c

- Exception: Could not initialize class sun.awt.X11.XToolkit
- java.lang.InternalError: Can't connect to X11 window server using 'localhost:10.0' as the value of the DISPLAY variable
- On Linux create a file /TOMCAT_HOME/bin/setenv.sh and insert the following code:

```
#!/bin/sh
export JAVA_OPTS="${JAVA_OPTS} -Djava.awt.headless=true"
```

• On Windows create a file /TOMCAT_HOME/bin/setenv.bat and insert the following code:

```
set JAVA_OPTS=%JAVA_OPTS% -Djava.awt.headless=true
```

• When running as a Windows service the setenv.bat is not working. See registry HKEY_LOCAL_MACHINE\SOFTWARE\Apache Software Foundation\Procrun 2.

Optional configuration

- Edit your conf/server.xml to enable gzip compression:
 - $<\!\!\text{Connector port="8080"}\dots\text{compression="on" compressionMinSize="2048" compressable}\text{MimeType="text/html,text/xml,text/css,text/javascales.}$
- If you want to modify the port on which Tomcat will run, edit TOMCAT_HOME/conf/server.xm1/. Search for 8080 (sometimes 8180 if you are under Linux) and repla
- It is possible to setup a Tomcat Java Server as a UNIX Daemon JSVC. Just follow these instructions (http://www.malisphoto.com/tips/tomcatonosx.html?#Anchorwhich can be replaced by using NginX as a proxy on the 80th port and then forwarding to Tomcat to the 8080th port.

Policy configuration

For those who activate the security manager for Tomcat, add this portion of code to the end of your conf/catalina.policy file from your Tomcat installation. You can at different databases:

```
grant codeBase "file:${catalina.base}/webapps/xwiki/WEB-INF/lib/-" {
   // for mySQL connection
   permission java.net.SocketPermission "127.0.0.1:3306", "connect,resolve";
   // XWiki must have access to all properties in read/write
   permission java.util.PropertyPermission "*", "read, write";
   // Generic detected permissions
   permission java.lang.reflect.ReflectPermission "suppressAccessChecks";
   \verb"permission" is a.lang. Runtime Permission" create Class Loader";
   permission java.lang.RuntimePermission "setContextClassLoader";
   permission java.lang.RuntimePermission "accessClassInPackage.org.apache.catalina.loader";
   permission java.lang.RuntimePermission "accessDeclaredMembers";
   permission java.lang.RuntimePermission "getenv.ProgramFiles";
   permission java.lang.RuntimePermission "getenv.APPDATA";
   permission java.lang.RuntimePermission "accessClassInPackage.sun.reflect";
   permission java.lang.RuntimePermission "getClassLoader";
   permission java.lang.RuntimePermission "accessClassInPackage.org.apache.catalina.connector";
   permission java.lang.RuntimePermission "accessClassInPackage.org.apache.tomcat.util.threads";
   permission java.lang.RuntimePermission "reflectionFactoryAccess";
    permission java.lang.RuntimePermission "accessClassInPackage.com.sun.jmx.interceptor";
   permission java.lang.RuntimePermission "accessClassInPackage.com.sun.jmx.mbeanserver";
   permission java.lang.RuntimePermission "modifyThread";
   permission java.lang.RuntimePermission "getProtectionDomain";
   // JAXB permissions
   permission javax.xml.bind.JAXBPermission "setDatatypeConverter";
   // Serialization related permissions
   permission java.io.SerializablePermission "allowSerializationReflection";
   permission java.io.SerializablePermission "creator";
   permission java.io.SerializablePermission "enableSubclassImplementation";
   // Internal resources access permissions
   permission java.io.FilePermission "synonyms.txt", "read";
   permission java.io.FilePermission "lang/synonyms_en.txt", "read";
   permission java.io.FilePermission "quartz.properties", "read";
   permission java.io.FilePermission "/templates/-", "read";
   permission java.io.FilePermission "/skins/-", "read";
   permission java.io.FilePermission "/resources/-", "read";
   // MBean related permissions
   permission javax.management.MBeanServerPermission "createMBeanServer";
   permission javax.management.MBeanPermission "*", "registerMBean";
   permission javax.management.MBeanPermission "*", "unregisterMBean";
   permission javax.management.MBeanTrustPermission "register";
   permission javax.management.MBeanPermission "-#-[-]", "queryNames";
   permission javax.management.MBeanServerPermission "findMBeanServer";
   // LibreOffice/OpenOffice related permissions
   permission java.io.FilePermission "/opt/openoffice.org3/program/soffice.bin", "read";
   permission java.io.FilePermission "/opt/libreoffice/program/soffice.bin", "read";
   permission java.io.FilePermission "/usr/lib/openoffice/program/soffice.bin", "read";
   permission java.io.FilePermission "/usr/lib/libreoffice/program/soffice.bin", "read";
   // Allow file storage directory reading - for directory and everything underneath
   // This is dependent on the setting of environment.permanentDirectory in xwiki.properties
   permission java.io.FilePermission "${catalina.base}${file.separator}xwikidata${file.separator}", "read,write,delete";
   permission \ java.io.File Permission \ "\$\{catalina.base\} \$\{file.separator\} x wikidata \$\{file.separator\} - ", \ "read, write, delete"; \} the permission \ permis
   // \ {\tt Allow \ file \ storage \ directory \ reading \ - \ temporary \ directory \ and \ everything \ underneath}
   // This is dependent on the setting of environment.temporaryDirectory in xwiki.properties.
   permission \ java.io. File Permission \ "\$\{catalina.base\} \$\{file.separator\} temp \$\{file.separator\} ", \ "read, write, delete"; \ permission \ perm
   permission java.io.FilePermission "${catalina.base}${file.separator}temp${file.separator}-", "read,write,delete";
};
```

Please note that this policy configuration file have been tested on CentOS 5.9 with Sun JDK 1.7.0u21 on Tomcat 7.0.40 with XWiki 5.0.1 installed.

Using Nginx as a reverse-proxy for Tomcat (http/https)

For a variety of reasons (https://en.wikipedia.org/wiki/Reverse_proxy), it is not ideal to allow users to connect directly to tomcat. A popular choice for a reverse-proxy we basic deployment of rigina acting as a reverse-proxy for the tomcat XWiki application.

After a typical XWiki installation XWiki will be running on http://localhost:8080/xwiki. Ultimately we will want to access XWiki via http://mydomain.com on a stance basic config file gets us started.

http (unsecure)

- create this file /etc/nginx/conf.d/tomcat.conf
- put the following code inside:

```
server {
    listen
                 80:
    server_name mydomain.com;
    Mormally root should not be accessed, however, root should not serve files that might compromise the security of your serv
    root /var/www/html:
    location / {
       # All "root" requests will have /xwiki appended AND redirected to mydomain.com
        rewrite ^ $scheme://$server_name/xwiki$request_uri? permanent;
    }
    location ^~ /xwiki {
       # If path starts with /xwiki - then redirect to backend: XWiki application in Tomcat
       # Read more about proxy_pass: http://nginx.org/en/docs/http/ngx_http_proxy_module.html#proxy_pass
       proxy pass http://localhost:8080;
                              X-Real-IP $remote_addr;
       proxy_set_header
                              X-Forwarded-For $proxy_add_x_forwarded_for;
       proxy_set_header
       proxy_set_header
                              Host $http_host;
                              X-Forwarded-Proto $scheme;
       proxy_set_header
    }
}
```

· restart nginx

Now all http://mydomain.com/* requests will lead to the XWiki application. Please note that these settings are basic. For more flexible solutions please refer to the Ngi

https (secure)

There are many guides on how to create a secure configuration of nginx. To get started:

- Strong SSL Security on nginx (https://raymii.org/s/tutorials/Strong_SSL_Security_On_nginx.html)
- How To Secure Nginx With LetsEncrypt on Ubuntu 16.04 (https://www.digitalocean.com/community/tutorials/how-to-secure-nginx-with-let-s-encrypt-on-ubuntu-16-0

The following config assumes you are using LetsEncrypt and that your XWiki is hosted on http://localhost:8080/. This config will redirect all unsecure requests to ht

First, you will need to add the following config to tomcat's server.xml (located at /etc/tomcat8/server.xml on Ubuntu 16.04). The first line should already be in the fil 16.04 tomcat8 package). This will help tomcat find your proxy headers.

```
<Engine name="Catalina" defaultHost="localhost">
  <Valve className="org.apache.catalina.valves.RemoteIpValve"
  internalProxies="127\.0\.[0-1]\.1"
  remoteIpHeader="x-forwarded-for"
  requestAttributesEnabled="true"
  protocolHeader="x-forwarded-proto"
  protocolHeaderHttpsValue="https"/>
```

Next, add the following nginx config file to your nginx config folder, replacing wiki.yourdomain.com with your actual domain info:

```
server {
    listen
                80;
    server name wiki.yourdomain.com;
    location ~ /.well-known {
        allow all;
    rewrite
                    https://$server_name$request_uri? permanent;
    access_log /var/log/nginx-xwiki/access.log;
    error_log /var/log/nginx-xwiki/error.log;
}
server {
    listen
                443;
    server_name wiki.yourdomain.com;
    root /var/www/html;
```

```
ssl certificate /etc/letsencrypt/live/wiki.yourdomain.com/fullchain.pem;
   ssl_certificate_key /etc/letsencrypt/live/wiki.yourdomain.com/privkey.pem;
   access log /var/log/nginx-xwiki/access ssl.log;
  error_log /var/log/nginx-xwiki/error_ssl.log;
  location / {
       proxy_set_header Host $http_host;
       proxy_set_header X-Real-IP $ remote_addr;
       proxy_set_header X-Forward-For $proxy_add_x_forwarded_for;
       proxy_set_header X-Forwarded-Proto $scheme;
       proxy_set_header X-Scheme $scheme;
       proxy_redirect off;
       if (!-f $request_filename) {
           proxy_pass http://127.0.0.1:8080;
           break;
       }
  }
  location ~ /.well-known {
       allow all:
}
```

For more background on this config, see the discussion on this ticket: XWIKI-13963 (http://jira.xwiki.org/browse/XWIKI-13963) .

Configuring tomcat for https

Although allowing users to directly connect to tomcat is not recommended, for a variety of reasons it may be desirable to configure tomcat to serve pages over an https or

- If using HTTPS for accessing XWiki, several modifications have to be made to ensure proper functionality. Since urls are generated from relative path (/xwiki/bir with redirect fails (attachment uploads, extension updating, etc.)
- Modify connector (in server.xml) to <Connector port="8080" ... secure="true" scheme="https" />
- Modify host (in server.xml) and add Remote Ip Valve <Valve className="org.apache.catalina.valves.RemoteIpValve" remoteIpHeader="x-forwarde for HTTPS)

If using another server as a HTTPS proxy (such as Nginx or Apache httpd), X-Forwarded-For and X-Forwarded-Proto headers have to be set!

Troubleshooting

Out Of Memory Error

When you run XWiki in Tomcat with the default settings, you'll probably get an Out Of Memory error (java.lang.OutOfMemoryError: Java heap space or java.lang enough for XWiki Memory Requirements (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/Performances#HMemory). You'll need to allocate more memory to the JVN

One easy solution to configure Tomcat's memory is to create a setenv.sh file (or setenv.bat on Windows) in [TOMCAT_HOME]/bin/ (where [TOMCAT_HOME] is where you according to the XWiki Memory Requirements (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/Performances#HMemory)). For example:

```
CATALINA_OPTS="-Xmx1024m -XX:MaxPermSize=192m"
```

On most Linux distributions, this can also be achieved in /etc/tomcatX/tomcatX.conf or /etc/conf.d/tomcatX.conf (where X is the version of Tomcat installed).

On Windows, if you are running Tomcat as a service then defining CATALINA_OPTS will not help. There is an utility provided in the bin folder of your Tomcat installation (fc used to set various options including the heap size.

Java Security Manager

By default Tomcat is configured to have the Java Security Manager turned on. See the sample policy file (https://platform.xwiki.org/xwiki/bin/view/AdminGuide/Installation' If you want to turn off the Java Security Manager for Tomcat, edit the Tomcat startup script. You might also want to check your /etc/init.d/tomcat file or /etc/defaul

```
# Use the Java security manager? (yes/no)
TOMCAT5 SECURITY=
```

Set it to no to turn off the Security Manager.

Allowing "/" and "\" in page names

Tomcat completely freaks out when there's a %2F or %5C in URLs and it's not something that can be changed in XWiki. See this note (http://tomcat.apache.org/security-6.f

Tou can configure Torricat to allow "", by setting the org. apache. comcact actition. obecoder .Accom_crecoped_seasit system property to crue, as in.

-Dorg.apache.tomcat.util.buf.UDecoder.ALLOW ENCODED SLASH=true

And by setting the org.apache.catalina.connector.CoyoteAdapter.ALLOW BACKSLASH system property to true to allow "\", as in:

-Dorg.apache.catalina.connector.CoyoteAdapter.ALLOW_BACKSLASH=true

To have both properties permanently enabled on your Tomcat instance, add the lines below to your CATALINA_OPTS environment variable. How to achieve this depends o

- -Dorg.apache.tomcat.util.buf.UDecoder.ALLOW ENCODED SLASH=true
- -Dorg.apache.catalina.connector.CoyoteAdapter.ALLOW_BACKSLASH=true

Note that if you're using the Apache web server, you also need to configure Apache to allow encoded / and \ (https://httpd.apache.org/docs/current/mod/core.html#allowe

NotSerializableException

If you get the following:

SEVERE: IOException while loading persisted sessions: java.io.WriteAbortedException: writing aborted; java.io.NotSerializableException
java.io.WriteAbortedException: writing aborted; java.io.NotSerializableException: org.xwiki.model.internal.reference.LocalStringEntity
at java.io.ObjectInputStream.readObject0(Unknown Source)
at java.io.ObjectInputStream.defaultReadFields(Unknown Source)

at Java.10.00 Jectinputstream. derauttkeaurietus (onknown source)

This means that on startup Tomcat tries to load saved Sessions and fails to do so. In this case it fails because some non-serializable object was put in the Servlet Session answers.blogspot.fr/2007/03/how-to-turn-off-tomcat-session.html) .

SEVERE: Error listenerStart

If you get this error in your Tomcat logs then you'll need to enable finer-grained logging configuration to see what's the problem. For Tomcat 6.x/7.x this involves copying t

```
org.apache.catalina.core.ContainerBase.[Catalina].level = INFO
org.apache.catalina.core.ContainerBase.[Catalina].handlers = java.util.logging.ConsoleHandler
```

Parameter count exceeded allowed maximum

If you get an error such as the following it means you reached the limit of parameters you can send in a form.

java.lang.IllegalStateException: Parameter count exceeded allowed maximum: 512

You can set the value you want by setting the following in your Tomcat server.xml file:

<Connector port=... maxParameterCount="10000" />

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Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

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Setting up NginX

Last modified by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

Set up Content

- This configuration has been contributed by an XWiki user and needs to be verified.
- You likely won't need NginX if you have just a couple of hundred users browsing your wiki

Example running XWiki on the Glassfish 2 Application Server:

- NginX listens on <domain>:80 and redirects HTTP queries to <domain>:8080 and thus NginX is referred to as "frontend" and Glassfish as "backend".
- Glassfish is installed in the /user/local/glassfish/glassfish folder.

For more information you can consult the NginX manual (http://wiki.nginx.org/Main) .

NginX configuration example with <domain> being vostrets.ru (/etc/nginx.conf):

```
user www-data;
worker_processes 2; # This should be equal to number of CPUs
worker_rlimit_nofile 20000; # Max open file descriptors, increase if nginx is serving large amount of static data for many users
events
{
   worker_connections 1024; # number of max connections per worker (worker_connections * worker_processes = max connections)
   use epoll;
   multi_accept on;
}
http
{
    include
                  mime.types;
   default_type application/octet-stream;
    server_tokens off; # don't send nginx version to end users
    sendfile
   tcp_nopush
                   on;
    tcp_nodelay
                   on;
   gzip
   gzip_comp_level 4; # increase for better compression (values 1 to 9, 1 = fastest, 9 = slowest/best compression)
                   text/plain text/css application/x-javascript text/xml application/xml application/xml+rss text/javascript; # compr
   gzip_types
    gzip_disable
                    "msie6"; # disable gzip for IE<=6
                   on; # send Vary: Accept-Encoding header
   gzip vary
   gzip_proxied
                    any; # enable compression for proxied requests
    server
    {
        listen 80;
        server name vostrets.ru;
        # redirect all http://vostrets.ru/* requests to http://www.vostrets.ru/*
        rewrite ^(.*) http://www.vostrets.ru$1 permanent;
   }
    server
    {
        listen 80;
```

server_name www.vostrets.ru;

Se

charset utf-8;

```
access log /var/log/nginx access.log;
    # count skin images for static data, though they are in "bin" path
    location ~* ^/xwiki/bin/skin/(.*)\.(jpg|jpeg|gif|png|ico)$
    {
        access_log off;
        rewrite ^/xwiki/bin/skin/(.*) /xwiki/$1 permanent;
        expires max:
    }
    # fetch all the data, which doesn't lie in "bin" path, as static data
    location \sim* ^/xwiki(?!/bin/).+\.(jpg|jpeg|gif|png|ico|css|js)$
        access_log off;
        # ${root} is the path, where the static files lie (i.e. ${root}/xwiki/skins/toucan/logo.png)
        root /user/local/glassfish/glassfish/domains/default_domain/applications/j2ee-modules;
        expires max:
    }
    # forward all http://vostrets.ru/ requests to http://vostrets.ru:8080/
    location /
        proxy_pass
                                http://localhost:8080;
                                X-Real-IP $remote addr;
        proxy_set_header
        proxy_set_header
                                X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_set_header
                                Host $http_host;
                                X-Forwarded-Proto $scheme;
        proxy_set_header
        expires 0m:
    }
}
```

Troubleshooting

Request Entity Too Large

If you find the following message in your logs: Failed to load resource: the server responded with a status of 413 (Request Entity Too Large) then y the request body size (http://nginx.org/en/docs/http/ngx_http_core_module.html#client_max_body_size) since it seems nginx does not allow request bodies larger than

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Logging

Last modified by Ecaterina Moraru (Valica) (/xwiki/bin/view/XWiki/evalica) on 2017/09/06

XWiki uses SLF4J (http://www.slf4j.org/) for logging. By default XWiki is configured so that SLF4J uses Logback (http://logback.qos.ch/) . XWiki's Logback configuration is located in the

WEB-INF/classes/logback.xml (https://raw.github.com/xwiki/xwiki-platform/master/xwiki-platform-core/xwiki-platform-web/src/main/resource

XWiki is also configured by default so that any logs generated by 3rd part JARs used by XWiki (i.e. in the XWiki classpath at runtime) will automatically find their ways to t active for Apache Commons Logging (JCL) and Log4J. This is achieved by using a SLF4J Bridge (http://www.slf4j.org/legacy.html) for both logging frameworks (it's the files that provide this feature).

By default XWiki is configured to log everything on the console only. Whether the console is captured by your Servlet Container or not depends on the container you u add logs to the tomcat/logs/catalina.out file.

Configuring Logging

There are various ways in which you can configure what to log.

See also the Logging section of the Debugging page (https://dev.xwiki.org/xwiki/bin/view/Community/Debugging#HLogging) for specific details on some loggers.

Of the 3 methods proposed under, only the Manual method is persistent after a server restart. So if your server might restart/be restarted and you want the log config adding them to logback.xml.

Manually

Simply edit the Logback configuration file (logback.xml in WEB-INF/classes in your web application folder) and restart the Servlet container for it to take effect.

Using the Log Application

Starting with XWiki 4.2 a new Logging Application (https://extensions.xwiki.org/xwiki/bin/view/Extension/Logging%20Application) is available in your wiki's administration t features.

Using JMX

LogBack exposes its configuration with JMX (http://logback.qos.ch/manual/jmxConfig.html) making it possible to use a JMX console to modify the logging configuration container. This is very useful in production when needing to debug an issue.

See the Monitoring Guide (/xwiki/bin/view/Documentation/AdminGuide/Monitoring) for more details on using JMX with XWiki.

Analyzing logs with Lilith

Lilith (http://lilith.huxhorn.de/) is a logging and access event viewer. It makes it easy to analyze large quantities of logs. To use it, configure XWiki's Logging to send even logback.xml file:

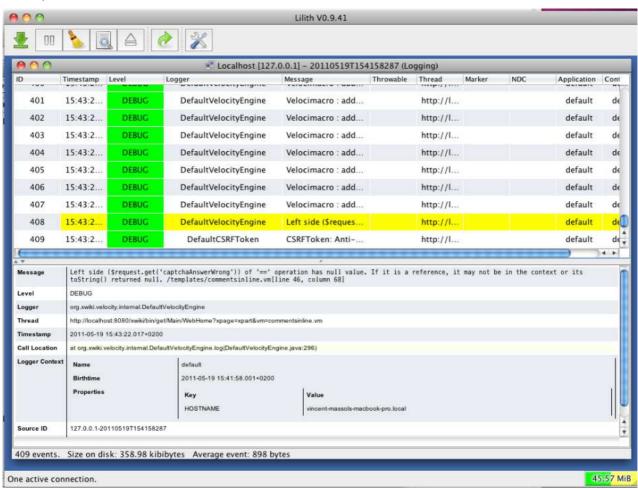
</appender

https://www.xwiki.org/xwiki/bin/view/Documentation/AdminGuide/Logging

And add the new appender to the list of appenders to use. For example:

Open Lilith (it's a desktop application) and it'll automatically listen on port 4560 so when you start XE you'll see its logs show up in Lilith.

For example:



Using a different SLF4J implementation

If you wish, for example, to use Log4J to log all logs produced by XWiki you can do so by doing the following (described in the SLF4J manual (http://www.slf4j.org/manua

- Remove the Logback SLF4J implementation from the classpath by removing WEB-INF/lib/logback-classic-*.jar and WEB-INF/lib/logback-core-*.jar
- Remove the Log4J over SLF4J JAR from the classpath by removing WEB-INF/lib/log4j-over-slf4j-*.jar
- Add the Log4J SLF4J implementation to the classpath: slf4j-log4j*-*.jar
- · Add Log4J itself to the classpath

Older XWiki versions

XWiki versions 3.0 and older use Commons Logging for logging. By default XWiki was configured so that Commons Logging was using log4J. XWiki's Log4J configuratio log4j.properties (https://raw.github.com/xwiki/xwiki-platform/13e01088e74c170452088a56fe54fb76a7ecb041/xwiki-platform-core/xwiki-platfor file. XWiki' JAR is itself located in your WEB-INF/lib/ directory.

By default XWiki was configured to log everything on the console only.

Using a custom Log4J configuration

The best solution was to create a new log4j.properties file in your WEB-INF/classes directory. It'll thus override the one from the XWiki JAR. As an example, here's a

```
### Direct log messages to stdout
log4j.appender.stdout=org.apache.log4j.ConsoleAppender
log4j.appender.stdout.Target=System.out
log4j.appender.stdout.layout=org.apache.log4j.PatternLayout
```

```
### By default everything that is of warning or severity WARN, ERROR or FATAL is logged both to
### the console and to the xwiki.log file.
log4j.rootLogger=warn, stdout
### Hibernate logging options
log4j.logger.org.hibernate=warn
log4j.logger.org.hibernate.SQL=warn
log4j.logger.org.hibernate.type=warn
{\tt log4j.logger.org.hibernate.ps.PreparedStatementCache=warn}
### XWiki logging configuration
log4j.logger.org.xwiki=info
log4j.logger.com.xpn.xwiki=warn
log4j.logger.com.xpn.xwiki.render.XWikiRadeoxRenderEngine=warn
log4j.logger.com.xpn.xwiki.store.migration=info
### Deactive Struts warnings
log4j.logger.org.apache.struts.util.RequestUtils=error
### Deactivate JGroups warnings
log4j.logger.org.jgroups=error
## Deactive PDF Export CSS Applier warnings
log4j.logger.info.informatica.doc.style.css.dom=error
log4j.logger.org.apache.fop.layoutmgr.inline.ContentLayoutManager=error
```

Refer to Log4J's documentation to understand the settings. As an example, to turn on Hibernate's calls, just set the following:

```
log4j.logger.org.hibernate.SQL=debug
```

Activating the XWiki Monitoring feature

The monitoring feature is already active in the default configuration.

XWiki has a feature to monitor times spent in its major components. To activate it, you need to:

• Enable the Monitor plugin by adding/modifying the following plugin definition in the xwiki.cfg configuration file:

```
xwiki.plugins=\
  [...]
com.xpn.xwiki.monitor.api.MonitorPlugin
```

• Enable it by adding/modifying the following in the xwiki.cfg configuration file:

```
xwiki.monitor=1
```

• Since the plugin logs everything under the DEBUG severity you also need to configure the XWiki Logging (as described above) by setting the com.xpn.xwiki.moni For example for Logback it means adding the following in logback.xml:

```
<logger name="com.xpn.xwiki.monitor" level="debug"/>
```

And for older XWiki versions using Log4J it means adding the following in log4j.properties:

```
log4j.logger.com.xpn.xwiki.monitor=debug
```

Tags:

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

lilith.png (/xwiki/bin/download/Documentation/AdminGuide/Logging/lilith.png)
 1.1 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Logging/lilith.png)
 Posted by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2011/05/19 (144.7kb)

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Share code (https://github.com/xwiki)

★ (/xwiki/bin/view/Main/) ▼ / Documentation (/xwiki/bin/view/Documentation/) ▼ / Administrator Guide (/xwiki/bin/view/Documentation/AdminGuide/) ▼ / Security (/xwiki/bin/view/Documentation/AdminGuide/Security) ▼

Security

Last modified by Simon Urli (/xwiki/bin/view/XWiki/surli) on 2018/10/04

Security related features

XWiki offers some features for protecting security and some features which have security implications.

Admin password

The default password for the Admin user is admin. Make sure you change the password.

You could also remove that user but first you need to make sure it's not used as author of any page as it might create issue otherwise (some standard pages require their author to have enough right to be taken into account).

Superadmin account

XWiki provides a superadmin account. It is special, because:

- · It is not stored in the database
- · It cannot be modified in any way
- · It always has full access, regardless of the rights settings

Because the Superadmin account is so powerful, it is not safe to leave it enabled for a long time.

By default, this account is disabled. To enable it, you have to edit <xwiki-dir>/WEB-INF/xwiki.cfg, uncomment the xwiki.superadminpassword=system line and set a proper password. To disable it, just comment this line. Remember to restart the servlet container after changing xwiki.cfg.

Using this superadmin account is useful when you cannot log in anymore, for example when you forgot your admin user password, if you messed up some rights or if you have deleted your admin user by mistake.

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Cookies

By default XWiki (as with most of the web) identifies users who have already logged in by setting cookies. These can be the target of attacks.

Cookie Encryption Keys

When a user logs in, three cookies are saved on his machine containing the username, password and a "nothing up my sleeve" hash. The cookies are encrypted so that nobody having access to them can see the username/password. This encryption is done using 2 configuration parameters located in the xwiki.cfg configuration file. This file is located in WEB-INF/ in the XWiki WAR (see the Installation guide (/xwiki/bin/view/Documentation/AdminGuide/Installation/) for where it's installed). It's important you edit the xwiki.cfg (/xwiki/bin/view/Documentation/AdminGuide/Configuration/#HSamplexwiki.cfg) file to modify the cookie authentication and encryption keys as they use default values when you install XWiki and these predefined values could be used by an attacker to decipher the username and password. To prevent this, change the following 2 configuration parameters:

- xwiki.authentication.validationKey
- xwiki.authentication.encryptionKey

See the Authentication parameters section (/xwiki/bin/view/Documentation/AdminGuide/Authentication/#HAuthenticationparameters) for more details.

In future versions we'd like to generate random and host-dependent key pairs at installation time (see the following issue (https://jira.xwiki.org/browse/XWIKI-542) for details).

Encrypt cookies using IP address

Even if the password cannot be extracted from the cookie, the cookies might be stolen (see XSS

(/xwiki/bin/view/Documentation/AdminGuide/Security#HCrossSiteScripting)) and used as they are. To limit this by default, the cookies are blocked from being used except by the same IP address that was used to create them.

You can disable this by setting the xwiki.cfg (/xwiki/bin/view/Documentation/AdminGuide/Configuration/#HSamplexwiki.cfg) parameter xwiki.authentication.useip to false.

Override version information

By default, the exact XWiki version is shown in the footer of every page. This is not harmful by itself, but can provide useful information to the attacker, who can use known vulnerabilities against this version.

You can change the version string shown in the footer using the Administration Application

(https://extensions.xwiki.org/xwiki/bin/view/Extension/Administration%20Application). Click on the Presentation icon and change the version string in the Version field. Please note that with this solution, the version can still be find through a REST request on the wiki.

If you want to be sure the version is definitely not leaked somewhere else, you can replace the file WEB-INF/version.properties by your own version with the following content: version=your version string here.

Discussion of attack vectors

Perfect security is generally considered impossible. With simple static HTML servers we can have near perfect security but those are not very useful. This document discusses different threat models and how to fortify against each. These attacks are grouped by type of access gained if successful. More dangerous attacks are near the top yet the most common attacks are less dangerous (and easier to perform) and will be seen at the bottom.

Server root attacks

This attack is characterized by assent of power in the operating system and is largely beyond the scope of this document as it is the responsibility of the operating system to prevent users ascending power.

Likelihood / Known Issues

Not a very common attack method.

Mitigation Methods

- · Run a decent operating system
- Run the Java VM with XWiki under its own username, only give this user permissions to files needed for the operation of XWiki and make sure this user doesn't have sudo access
- Don't run extraneous processes on the server
- · Run services on non-standard ports (ssh)
- Firewall all ports not explicitly needed

Java VM attacks

This attack is characterized by the attacker running arbitrary code on Java and perhaps using Java level security flaws to execute native code thus gaining access in the user level of the Java VM process.

Likelihood / Known Issues

- XWiki requires reflection of private fields and variables for the component module
 (https://extensions.xwiki.org/xwiki/bin/view/Extension/Component%20Module) This means that jsr223 scripts such as Groovy and Python are able to read
 and write any field or variable in the system which may lead to execution of native code via Java Native Access. Virtual wikis are not insulated against this
 attack method and as such virtual wiki administrators cannot be given programming permission (note that there is another reason for not giving wiki admin
 programming rights in a farm, it is because you may access any document without rights being checked, even in another wiki). This flaw could lead to
 dumping of connected databases, however user passwords are SHA-512 hashed (see this issue (http://jira.codehaus.org/browse/GROOVY-1875) for more
 details
 - This attack method requires the use of a registered username which has programming rights

Mitigation Methods

- · Enable a SecurityManager which peeks at the calling stack and only allows unchecked reflection if called by the component manager
- Disable Groovy entirely
- · Guard programming rights closely, have a special username just for saving documents which contain approved Groovy scripts

Database Injection attacks

Such an attack happens from inside of unsafe scripting and results in unintended information being given up by the database.

Likelihood / Known Issues

- XWiki uses Hibernate as a database controller so some of the injection methods are mitigated. XWiki gives you the capability to create safe scripts and unsafe scripts
 - This attack method may often be performed without a registered username.

Mitigation Methods

You can use this groovy snippet to test your database to see if it supports stacked queries (http://ferruh.mavituna.com/sql-injection-cheatsheet-oku/#StackingQueries)
 If your database does not support stacked queries, injection in a SELECT query can only lead to additional arbitrary SELECT queries:

```
{{groovy}}
try {
    session = xcontext.getContext().getWiki().getHibernateStore().getSessionFactory().openSession();
    session_connection() constaStatement() execute("begin_thanksetion; nollhack;");
    println("Your database supports stacked queries.")
} catch (Exception e) {
```

```
println("Your database does not support stacked queries.");
} finally {
  try {
    session.close()
  } catch (Exception e) {}
}
{{/groovy}}
```

- Configure your database to log or if possible disable comment syntax -- /* */ and # . Comments are not used by Hibernate and are central to most of the more dangerous SQL injection.
- · When designing scripts avoid the temptation to concatenate user input into database queries

WRONG:

```
#set($x = $xwiki.searchDocuments("where doc.fullName = '${userContent}'"))

If the user enters: ' or doc.hidden = 1 or doc.fullName = ' your code will create the Hibernate query:
where doc.fullName = '' or doc.hidden = 1 or doc.fullName = ''.
```

This may not be a horrible outcome but it is not what you wanted and others surely can invent far more dangerous injections than this. Fortunately Hibernate itself protects against the worst type of injection such as:

```
Embarrassing Mistake DROP TABLE xwikidoc;--
```

This is because it does not allow multiple commands in one call and does not allow the -- comment syntax (can be bypassed in some versions; see above).

RIGHT:

```
## We are passing a ? in the query and then passing the parameter as a list (Velocity notation for list is [element, element] )
#set($x = $xwiki.searchDocuments("where doc.fullName = ?", [$userContent]))
```

Your code will now instruct Hibernate to name the userContent parameter and pass it to the database separately from the query. The above injection trick will not work.

• Avoid "Privileged API" whenever possible and only use non API when absolutely necessary. If each of your calls requires you to pass the context as a parameter, you're doing it wrong.

For more information check the XWiki API Reference (https://platform.xwiki.org/xwiki/bin/view/DevGuide/API).

Cross Site Scripting

Cross site scripting or XSS is the least harmful to the server of all attack methods, however it is the most common.

XSS can lead to users altering documents which they didn't want to or having their authentication cookies copied. XSS can also lead to exploitation of web browsers and plugins such as pdf or ActiveX. Such exploits often install malware.

Attack vectors (persistent injection)

Persistent injection is characterized by saving content in the system which when loaded by the unwitting user, executes as javascript in their browser. This is the more dangerous variety because it sits in a page waiting for a victim.

- 1. Persistent injection through XWiki document content by editing the document.
 - 2. Persistent injecting through comments.

Likelihood / Known Issues

- XWiki syntax 1.0 does not filter out HTML so script injection is possible
- XWiki syntax 2.0 contains html macro which when invoked allows injection of raw html and script. There is still no safe way to disable this (see this issue (https://jira.xwiki.org/browse/XWIKI-3953) for more information.
 - This attack method requires the attacker to have a registered username (unless anonymous editing or commenting is allowed).

Mitigation Methods

• The only way to be sure that script cannot be injected in content (xwiki/1.0 or xwiki/2.0) is to make that content completely passive as follows:

```
{{html}}
$escapetool.html($userContent)
{{/html}}
```

There are however some methods to minimize the risk:

- Disable creation of syntax 1.0 pages. **NOTE**: Pages which are already written in syntax 1.0 can still be altered and should be updated to syntax 2.0, otherwise they must have edit permission locked down so that only authorized users may edit them.
- Force unauthorized users to post through a script which escapes {{ (double squigly brackets) because there is currently no way to prevent injection of html
 macro for unauthorized users.
- Set un ObservationManager to scan all page content and object property undates for HTML macro invocation and alert a moderator.

Attack vectors (reflective injection)

Reflective injection is characterized by convincing a user to click on a specially crafted link which causes a page to generate javascript.

1. Reflective injection through form fields.

Mitigation Methods

Advise admins to use addons such as noscript (https://addons.mozilla.org/en-US/firefox/addon/noscript/) which will detect reflective injection attacks and warn the user when it suspects foul play and also avoid clicking on suspicious links.

· when content is loaded from request parameters into a form field, make sure it is escaped using EscapeTool (http://velocity.apache.org/tools/devel/generic/EscapeTool.html)

WRONG:

```
<input type=text value="$request.get('name')" />
```

RIGHT:

```
<input type=text value="$escapetool.html($request.get('name'))" />
```

Cross site request forgery (CSRF)

The basis of this attack is that a foreign website can craft a malicious link or form which points to the save action in your system and when clicked by a logged in user will cause the user to save the page.

Likelihood / Known Issues

Currently there is no system implemented to prevent form submission from external sites. See discussion in mailing list about implementing secret tokens (http://lists.xwiki.org/pipermail/devs/2010-March/017727.html)

Mitigation Methods

Advise admins to use addons such as noscript (https://addons.mozilla.org/en-US/firefox/addon/noscript/) which will help prevent automatic form submission by an attack site and also avoid clicking on suspicious links.

Advisory Notices

Here's a list of sites offering security advisory notices about XWiki:

- nvd.nist.gov (https://nvd.nist.gov/vuln/search/results?adv_search=false&form_type=basic&results_type=overview&search_type=all&query=xwiki)
- www.cvedetails.com (http://www.cvedetails.com/product/6856/Xwiki-Xwiki.html?vendor_id=3885)
- vuldb.com (https://vuldb.com/fr/?search) (need to search for xwiki)
- vulners.com (https://vulners.com/search?query=xwiki)

Tags

Created by Vincent Massol (/xwiki/bin/view/XWiki/VincentMassol) on 2017/09/06

XWIKI4755escapeBackslashes.patch

(/xwiki/bin/download/Documentation/AdminGuide/Security/XWIKI4755escapeBackslashes.patch)

1.1 (/xwiki/bin/viewattachrev/Documentation/AdminGuide/Security/XWIKI4755escapeBackslashes.patch)

Posted by Ricardo Rodríguez (/xwiki/bin/view/XWiki/rrodriguez) on 2010/11/06 (1.9kb)

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Media Resources (https://dev.xwiki.org/xwiki/bin/view/Community/Media)

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Roadmap (/xwiki/bin/view/Roadmaps/)

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Download (https://enterprise.xwiki.org/xwiki/bin/view/Main/Download)

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XWiki Rendering (http://rendering.xwiki.org/xwiki/bin/view/Main/)

XWiki Commons (https://commons.xwiki.org/xwiki/bin/view/Main/)

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Hall Of Fame (https://dev.xwiki.org/xwiki/bin/view/Community/HallOfFame)

Browser Support (https://dev.xwiki.org/xwiki/bin/view/Community/BrowserSupportStrategy)

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Share code (https://github.com/xwiki)