

# Live Copy module

Edition	Special Features
License	<a href="#">MLA</a>
Issues	<a href="#">LIVECOPY</a>
Maven site	<a href="#">LIVECOPY</a>
Latest version	3.2

Related topics:

- [Live Copy](#)
- [Site definition](#)
- [Internationalization](#)

The Magnolia Special Feature Live Copy module helps you manage complex multisite installations that share similar content. It allows you to create live copies of master sites. You can then push any changes you make in the master to the live copy pages. You do not need to manually copy similar pages to multiple locations in order to perform updates. Components and fields in components on live copy pages can be changed individually and protected from master content changes.

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## Installing

Maven is the easiest way to install the module. Add the following dependencies to your [webapp](#). All the other necessary dependencies will be brought in automatically:

```
<dependency>
  <groupId>info.magnolia.livecopy</groupId>
  <artifactId>magnolia-livecopy</artifactId>
  <version>3.2</version>
</dependency>
```

## Usage

Live Copy works by creating a copy of a master website. The master can be an entire site, a sub-tree or just a single page.

### Note

As a lot of content can be copied and linked, a single wrong action can have a negative impact on a big part of your website. Plan your content structure in detail before using Live Copy.

Give the rights to execute Live Copy actions to privileged users with sufficient instructions only.

## Creating a live copy

To create a live copy:

1. Open the Pages app.
2. Select the site/tree/page you want to copy.
3. Click **Create live copy** in the action bar.
4. Choose a location for the live copy in the **Choose page location** dialog.
5. Finally, create a matching [site definition](#) for your freshly created live copy site.

In the **Live Copy** column of the Pages app, the two sites are indicated using an icon:

Master	Live Copy

Note that the newly created live copy site follows the same naming conventions as the standard copy action. For example, if your master site is named `travel`, then the new live copy site is named `travel0`, if it is called `Route-66`, then the live copy is named `Route-67`.

We recommend you rename the live copy site.

Page Filter...	Title Filter...	Template	Status	Modific...	Livecopy	Status
marketing-form		Basic template	●	Thu May 2		●
> travel-€	Travel Home	Travel Home	●	Mon Jun 1	👑	●
> sportstation	Sportstation	Travel Home	●	Wed Jul 01		●
✓ > travel0-€	Travel Home	Travel Home	●	Mon Jun 1	👑	●



You can copy just a sub-tree or a single page instead of a whole site. You have to select the correct location for the copy in the chooser. Initially the choice is limited to the root. If you have several existing live copies and are copying a new subpage from the master, for example, you have more locations available.

## Creating live copy subpages

If you have added a new page to a master site, you must create a live copy of the new page so that its equivalent exists in the live copy site before you can push master changes to it. Newly created pages are not added automatically to a live copy upon pushing master changes.

If several live copies of a master exist, when you create a live copy of the subpage(s), you can choose where to locate the new subpage live copy. The live copy or copies are created in each location specified.

## Navigating between master and live copy

You can:

- Jump from a live copy page to the corresponding master page. To do so, open the live copy page and click **Open master page** in the action bar. The master page opens in a new tab. To be able to see this action, make sure you *don't* have a component selected in the page.
- View live copies from a master page. To do so, select a master page in the app browser view and click **Show linked live copy pages** in the action bar. A dialog opens listing the live copy or copies corresponding to the selected master. You can choose to **Open** them in tabs or **Show in browser** (they are highlighted in the browser).

Live copy pages	Status
Filter...	All
<input type="checkbox"/> /sportstation0	●
<input checked="" type="checkbox"/> /sportstation1	●

Cancel Show in browser Open

## Managing links

Typically your master site contains links that are internal to the master site. The links in your newly created live copy site will still point to that master content. This can be desirable in some situations. However, in many scenarios, the links should point to pages in the live copy site.

To automatically change the links so that they link to within your live copy site, select the live copy page(s) and click **Relink all pages to live copy pages**.

- ✔ Make sure the corresponding pages in the live copy exist so that the links can be relinked within the live copy.

Relink all pages

Do you want to relink all pages to live copy pages?

Disable updates from master on relinked components

Cancel Relink

In the **Relink all pages** popup that appears, you have the option of disabling updates from master on components that are relinked. This means the relinked live copy pages are protected from being overwritten when new content is pushed from the master. The relinked components appear as locked in the live copy pages. For example:



## Pushing changes from master to live copy pages (and publishing)

When you change content on your master page and want to push your changes to a matching live copy page, use the **Push master changes** or **Push master changes incl. subnodes** actions.

In the **Push master content changes** dialog that appears, select the live copy or copies you want to push changes to. You can push your changes to the live copy pages with the **Push** button or push your changes and publish your live copy pages in one operation with the **Push and publish** button.

Use the **Automatically relink** option to automatically relink all links in the live copy so that they point to within your live copy site, instead of pointing to the master site, if required.

### Push master content changes ✕

	Path	Activation status	Icon
<input checked="" type="checkbox"/>	/live-copy-docs0	●	🔒
<input type="checkbox"/>	/live-copy-docs1	●	🔒

---

Automatically relink

## Push

When you click **Push**, the content in the live copy is updated as follows:

1. Content, including personalized content – This includes page properties, component ordering, added and/or removed components.
2. Page position – If a child page in the master site is moved to a different location, then the equivalent live copy child page is moved too.
3. Page variants.
4. Page links – Depending on the **Automatically relink** option.



**If you have added a new page** to the master site, you must create a live copy of the new page to create it in the copied site before you can push master changes to it. Newly created pages are not added automatically upon pushing master changes.

**If you have deleted a page** from the master site, you must delete the equivalent live copy page too if required. Pushing master changes with or without including subnodes does not delete pages from the live copy.

## Push and publish

When you click **Push and publish**, a second step in the dialog opens where you can add a comment and schedule a date and time for the publication task for your live copy pages.


### Set publication details ✕

Comment


Publication date

Cancel Push & publish now


When you click **Push & publish now**, the content in the live copies is updated as described above and the publication workflow is triggered for your live copy pages.

 When you create a live copy from a master, the master is set to modified. You can see the [publication status](#) goes from green to yellow in the Pages app browser. Live copies are not published upon creation; you must publish them individually using the standard Publish action or when pushing changes from master.

## Protecting content from master content changes

Components within a live copy page are marked with an extra icon: . This helps you to differentiate between live copy content and unlinked content.

You may not want all the content in your live copy pages to be overwritten when master changes are pushed. You can protect the content in:

- **Full pages**  
To protect a full page, select the live copy page and click **Disable updates from master**. The page is marked with an unlinked icon in the Pages app browser: 
- **Single components**  
To protect a component, edit the page, select the component, and click **Disable updates from master**. The component bar changes to white and is marked with an unlinked icon:



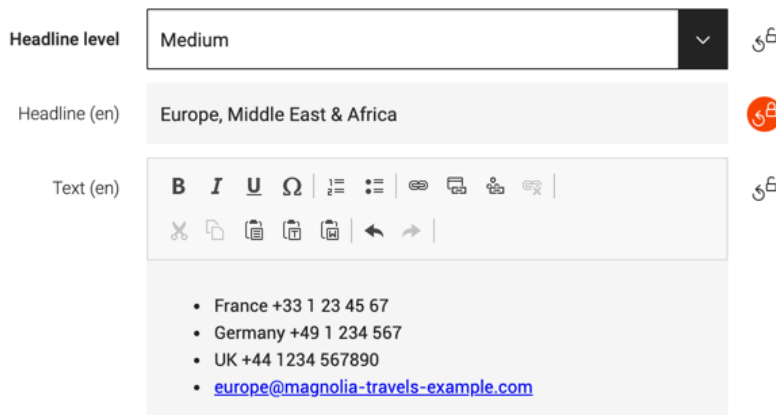
**i** In the case of complex components with many fields within fields, note that all the nodes are protected when updates are disabled from master.

For example, if a contact component has multiple fields and subfields as part of an address, the component node is locked and each individual field node is also locked to ensure they are not overwritten by content from the master:

- /live-copy/multi-page/contact/0 — The component itself
- /live-copy/multi-page/contact/0/multi0 — A complex field in the component
- /live-copy/multi-page/contact/0/multi0/address — A subfield within the complex field

#### • Single fields in a component

To protect a field within a component, edit the component then select the fields that should not be overwritten on the next content push from your master content. :



The red icon in the screenshot above indicates that the field is *not* linked to the master content. The grey and white icon indicates that the field is linked to the master content.

When only one or some of the fields in a component are locked, the component bar remains green but the unlinked icon is white:



Europe, Middle East & Africa

- France +33 1 23 45 67
- Germany +49 1 234 567
- UK +44 1234 567890
- [europa@magnolia-travels-example.com](mailto:europa@magnolia-travels-example.com)

## Breaking and reattaching

You can break the link of the live copy pages. The linking of live copy pages to master content is done using a page property called `masterContentIdentifier`. You can see this property in the JCR Browser or via content export. To break this link, select a page and click **Disable updates from master**. After confirmation, the page no longer receives updates from the master page.

Breaking the link to master content is achieved through a page property called `liveCopyReferenceDropped`. When this flag is set to true, the linking of content is turned off. However, the `masterContentIdentifier` still remains and the content can be re-linked at any time. To reattach the live copy content to the master content, click **Enable updates from master**.

## Deleting the master

If you delete the master, a warning appears to confirm deletion. The warning gives a list of linked pages that may be affected. Once the master is deleted, any of its previously created live copies can then be used as masters.

## Internationalization

For single-tree multi-language websites, there is `info.magnolia.liveCopy.i18n.LiveCopyI18nContentSupport` to be used in the Live Copy's site definition. This class introduces a `masterLocale` property which holds the fallback language from the master copy.

# Site definitions

Name	Value
>  fallback	
>  travel	
▼  travel0	
>  templates	
>  theme	
>  i18n	
>  domains	
▼  mappings	
▼  website	
URIPrefix	
handlePrefix	/myNewLiveCopySite
repository	website
class	<code>info.magnolia.liveCopy.i18n.LiveCopyI18nContentSupport</code>
enabled	true
fallbackLocale	en
masterLocale	en
>  sportstation	

## Release history

### Live Copy 3.2

Released on August 26, 2020

This release brings full compatibility with Magnolia 6.2.2 and the new UI framework as well as some new functionality and improvements:

#### Improvements

- [\[LIVECOPY-108\]](#) - Open the Master Page from a live copy
- [\[LIVECOPY-42\]](#) - Add a "open as new window" button for each page in the ReferencedPagesField
- [\[LIVECOPY-44\]](#) - Show if the referenced page has page variations in the ReferencedPagesField
- [\[LIVECOPY-145\]](#) - When I delete Master, LC still shows link to (and actions) to Master
- [\[LIVECOPY-149\]](#) - Locking the component when using the Relink live copy function should be optional
- [\[LIVECOPY-150\]](#) - Only push master content pages to specific pages

## Live Copy compatibility

Module version	Magnolia CMS version
3.2	Magnolia 6.2.2
3.1.2	Magnolia 6.1
3.1.1	Magnolia 6.1
3.1	Magnolia 6.1
In versions predating 3.1 and 2.0.7 this module was in the <a href="#">Incubator</a> .	
Uninstall previous versions before installing 3.1 (or 2.0.7 - Magnolia 5.6).	

- [\[LIVECOPY-151\]](#) - When pushing master content changes users can auto publish content
- [\[LIVECOPY-159\]](#) - Fields under composite/switchable/multi fields are protected independently from the parent field
- [\[LIVECOPY-190\]](#) - Change the color of a partially protected component (only certain fields are disabled)

#### Bug fixes

- [\[LIVECOPY-171\]](#) - Protect/unprotect complex fields
- [\[LIVECOPY-194\]](#) - Push master content changes position of component order
- [\[LIVECOPY-195\]](#) - Enable/disable updates for component does not update the detail page

3.0	Magnolia 6.0
2.1.1	Magnolia 5.7
2.1	Magnolia 5.7
2.0.7	Magnolia 5.6
2.0.5	Magnolia 5.6
2.0.4	Magnolia 5.6

### Live Copy 3.1.2

Released on August 20, 2020.

This release provides the following bug fixes:

- [\[LIVECOPY-173\]](#) - Push master content changes position of component order
- [\[LIVECOPY-178\]](#) - NPE is thrown when attempting to create a live copy from page
- [\[LIVECOPY-217\]](#) - Live Copy relink does not work
- [\[LIVECOPY-218\]](#) - ItemNotFoundException when pushing master content changes

### Live Copy 3.1.1

Released on November 13, 2019.

[LIVECOPY-153](#) - Getting issue details... [STATUS](#)

[LIVECOPY-69](#) - Getting issue details... [STATUS](#)

[LIVECOPY-163](#) - Getting issue details... [STATUS](#)

[LIVECOPY-143](#) - Getting issue details... [STATUS](#)

### Live Copy 2.0.7

Released on September 11, 2019.

[LIVECOPY-69](#) - Getting issue details... [STATUS](#)

[LIVECOPY-47](#) - Getting issue details... [STATUS](#)

[LIVECOPY-11](#) - Getting issue details... [STATUS](#)

### Live Copy 3.1

Released on July 5, 2019.

[Live Copy](#) is now a Special Features module. Live Copy helps you manage complex multisite installations that share similar content by creating live copies of master sites.

These are legacy versions of Live Copy, previously available in the Magnolia Professional Services [Incubator](#).

#### Version 3.0

Updated for Magnolia 6.0 compatibility.

#### Version 2.1.1



[LIVECOPY-49](#) - Getting issue details... [STATUS](#)

[LIVECOPY-46](#) - Getting issue details... [STATUS](#)

[LIVECOPY-45](#) - Getting issue details... [STATUS](#)

[LIVECOPY-41](#) - Getting issue details... [STATUS](#)

[LIVECOPY-40](#) - Getting issue details... [STATUS](#)

## Version 2.1

Updated for Magnolia 5.7 compatibility.

[LIVECOPY-38](#) - Getting issue details... [STATUS](#)

## Version 2.0.6

[LIVECOPY-77](#) - Getting issue details... [STATUS](#)

## Version 2.0.5

POM edited to prevent versioning clash with `magnolia-pages-editor-widget`

## Version 2.0.4

[LIVECOPY-71](#) - Getting issue details... [STATUS](#)

[LIVECOPY-67](#) - Getting issue details... [STATUS](#)

[LIVECOPY-61](#) - Getting issue details... [STATUS](#)

[LIVECOPY-8](#) - Getting issue details... [STATUS](#)

## Version 2.0.3

[LIVECOPY-46](#) - Getting issue details... [STATUS](#)

[LIVECOPY-45](#) - Getting issue details... [STATUS](#)

[LIVECOPY-41](#) - Getting issue details... [STATUS](#)

[LIVECOPY-40](#) - Getting issue details... [STATUS](#)

## Version 2.0.2

[LIVECOPY-28](#) - Getting issue details... [STATUS](#)

[LIVECOPY-27](#) - Getting issue details... [STATUS](#)

[LIVECOPY-25](#) - Getting issue details... [STATUS](#)

### Version 2.0.1

[LIVECOPY-33](#) - Getting issue details... [STATUS](#)

[LIVECOPY-32](#) - Getting issue details... [STATUS](#)

### Version 2.0

Initial release of the Incubator (previously called Extensions) version of the module.

[LIVECOPY-31](#) - Getting issue details... [STATUS](#)

[LIVECOPY-23](#) - Getting issue details... [STATUS](#)