

# Live Copy



The Live Copy module has been integrated into Magnolia CMS as a Special Feature from Live Copy **3.1** (Magnolia 6.1) and 2.0.7 (Magnolia 5.6) onwards.

Refer to [Live Copy](#) in the main product documentation for up-to-date information. This page is no longer maintained.

Live Copy helps with managing complex multisite installations that share similar content. It allows you to create referenced copies of master sites. They are automatically updated when changes are performed on the master. This way you only have to manage the master content. There is no need to copy similar pages to multiple locations in order to perform updates. Components on referenced pages can be changed individually and protected from master content changes.

- [Installation](#)
- [Usage](#)
  - [Dealing with links](#)
  - [Pushing content from master to reference pages](#)
  - [Protecting content from master content changes](#)
  - [Breaking and reattaching](#)
  - [Internationalization](#)
- [Warnings](#)
- [Changelog](#)

JIRA	<a href="#">LIVECOPY</a>
Git	<a href="#">livecopy</a>

## Installation

Maven is the easiest way to install the module. Add the following dependency to your [bundle](#):

```
<dependency>
  <groupId>info.magnolia.multisite</groupId>
  <artifactId>magnolia-livecopy</artifactId>
  <version>${liveCopyVersion}</version>
</dependency>
```

Change the [widgetset](#) and the theme in the [magnolia.properties](#) to:

```
magnolia.ui.vaadin.widgetset=info.magnolia.liveCopy.widgetset.
LiveCopyWidgetSet
magnolia.ui.vaadin.theme=lc
```

## Versions

3.0	<b>Magnolia 6.0</b>
2.1.1	<b>Magnolia 5.7</b>
2.1	Magnolia 5.7
2.0.6	<b>Magnolia 5.6</b>
2.0.5	Magnolia 5.6
2.0.4	Magnolia 5.6

## Usage

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

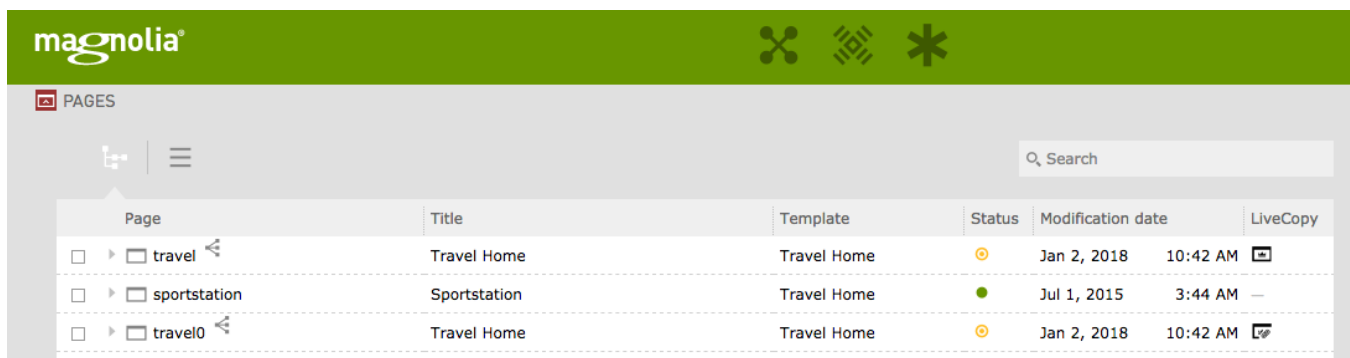
To create a copy, open the Pages app, find the site/tree/page, and click the *Create live copy* action from the actionbar. This will create an exact clone of the selected tree. In the LiveCopy column of the Pages app the two sites will be indicated using one of the two icons.

Master Site	Referenced Site
	

The newly created referenced site will follow the same naming convention as the standard copy action. For example, if your master page was named *travel*, then the new referenced site is named *travel0*. Most likely you will want to rename referenced site root.



It is possible to copy just a sub-tree or a single page. You just have to move the created copy to the right location afterwards.



The screenshot shows the Magnolia Pages app interface. At the top, there is a green header with the 'magnolia' logo and three icons: a cross, a list, and a star. Below the header, there is a 'PAGES' section with a search bar and a table of pages. The table has columns for Page, Title, Template, Status, Modification date, and LiveCopy. The 'LiveCopy' column contains icons: a crown for master sites and a crown with a paperclip for referenced sites.

Page	Title	Template	Status	Modification date	LiveCopy
travel	Travel Home	Travel Home	🟡	Jan 2, 2018 10:42 AM	👑
sportstation	Sportstation	Travel Home	🟢	Jul 1, 2015 3:44 AM	—
travel0	Travel Home	Travel Home	🟡	Jan 2, 2018 10:42 AM	👑📎

Finally, create a matching [site definition](#) for your freshly created reference site.

## Dealing with 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, there maybe scenarios where the links should point to pages in the reference site. To automatically change the links to your referenced site you can use the *Relink live copy pages* action. Rewritten links are automatically protected from being overwritten when new content is pushed from master.

## Pushing content from master to reference pages

If you changed content on your master page and want to push this content to the matching reference page then you can use the *Push master content changes* action.

The content in the referenced page will then be updated as follows:

- Content including personalized content



This includes page properties, component ordering, added and/or removed components.

- Page position



If the master page is moved to a different location, then the reference page will be moved to the equivalent position.

If the master page is not existing, then the page will stay on the same location.


- Page variants

## Protecting content from master content changes

Components within a reference page are marked with an extra reference icon. This helps you to differ between referenced and non-referenced content.

You may not want that all content in your reference pages is overwritten if master content is pushed. You can protect full pages, single components or even single fields in your component.

- To protect a full page, select the reference page and click *Detach live copy* action.

 Detached reference pages are marked with a broken link symbol in the browse view.

- To protect a component, edit the page, select the component, and use the *Remove live copy link* action.
- To protect a field within a component, click edit component, click on the lock symbol, then select the fields that should not be overwritten on the next content push from your master content.

## Breaking and reattaching

### Added in v2.0.2

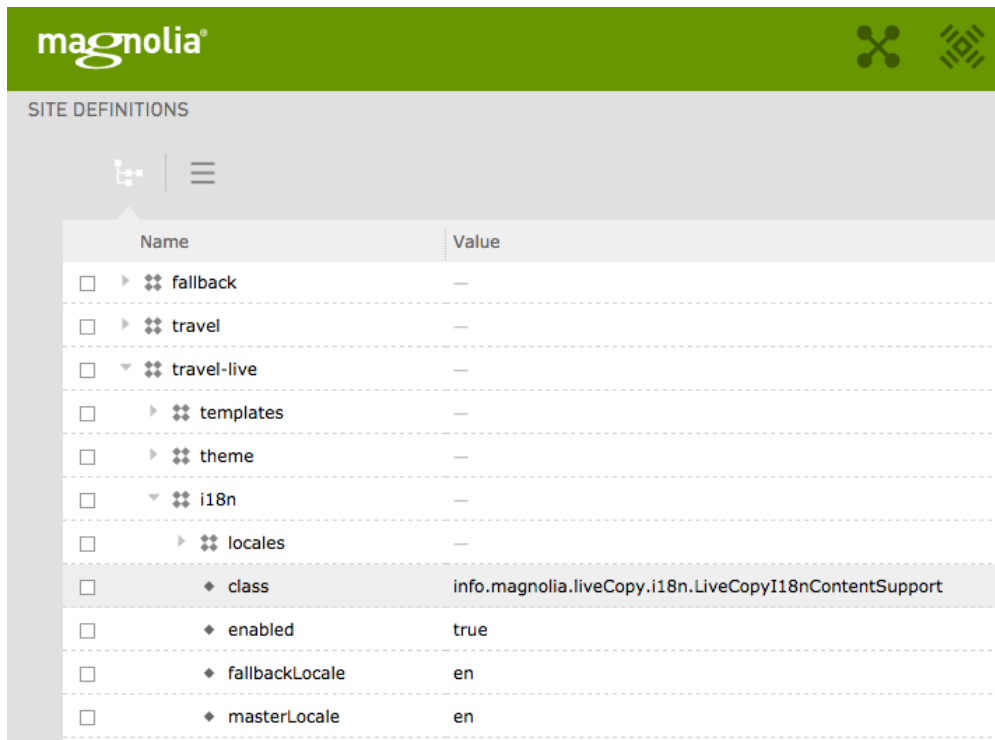
It's possible to break the link of the referenced pages. The linking of referenced pages to master content is done using a page property called `masterContentIdentifier`. This is visible through the JCR Browser or via content export. To break this linking click the action *Break live copy reference*. After confirmation, the page will no longer receive 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 essentially turned off. However, the `masterContentIdentifier` still remains and the content can be re-linked at any time. To reattach the referenced content to the master content click the action *Reattach live copy node*.








## 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.

Please keep in mind that you have to create a new site definition for every live-copy site you create.



The screenshot shows the Magnolia administration interface. At the top, there is a green header with the Magnolia logo and two icons. Below the header, the page title is "SITE DEFINITIONS". There are navigation icons for home and menu. The main content is a table with two columns: "Name" and "Value".

Name	Value
<input type="checkbox"/> ▶  fallback	—
<input type="checkbox"/> ▶  travel	—
<input type="checkbox"/> ▼  travel-live	—
<input type="checkbox"/> ▶  templates	—
<input type="checkbox"/> ▶  theme	—
<input type="checkbox"/> ▼  i18n	—
<input type="checkbox"/> ▶  locales	—
<input type="checkbox"/> ◆ class	info.magnolia.liveCopy.i18n.LiveCopyI18nContentSupport
<input type="checkbox"/> ◆ enabled	true
<input type="checkbox"/> ◆ fallbackLocale	en
<input type="checkbox"/> ◆ masterLocale	en

## Warnings

- This module is at INCUBATOR level.

- As a lot of content can be referenced and interlinked, 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.
- Uninstall previous versions before installing 2.0.

## Changelog

- Version 3.1
  - The Live Copy module has been integrated into Magnolia CMS as a Special Feature from Live Copy **3.1** onwards. Refer to [Live Copy](#) in the main product documentation for up-to-date information. This page will no longer be maintained.
- Version 3.0
  - Updated for Magnolia 6.0 compatibility.
- Version 2.1.1
  - [LIVECOPY-49](#) - Getting issue details...
  - [LIVECOPY-46](#) - Getting issue details...
  - [LIVECOPY-45](#) - Getting issue details...
  - [LIVECOPY-41](#) - Getting issue details...
  - [LIVECOPY-40](#) - Getting issue details...
- Version 2.1
  - Updated for Magnolia 5.7 compatibility.
  - [LIVECOPY-38](#) - Getting issue details...
- Version 2.0.6
  - [LIVECOPY-77](#) - Getting issue details...
- Version 2.0.5
  - POM edited to prevent versioning clash with `magnolia-pages-editor-widget`
- Version 2.0.4
  - [LIVECOPY-71](#) - Getting issue details...
  - [LIVECOPY-67](#) - Getting issue details...
  - [LIVECOPY-61](#) - Getting issue details...
  - [LIVECOPY-8](#) - Getting issue details...
- Version 2.0.3
  - [LIVECOPY-46](#) - Getting issue details...
  - [LIVECOPY-45](#) - Getting issue details...
  - [LIVECOPY-41](#) - Getting issue details...
  - [LIVECOPY-40](#) - Getting issue details...
- Version 2.0.2
  - [LIVECOPY-28](#) - Getting issue details...
  - [LIVECOPY-27](#) - Getting issue details...
  - [LIVECOPY-25](#) - Getting issue details...
- Version 2.0.1
  - [LIVECOPY-33](#) - Getting issue details...
  - [LIVECOPY-32](#) - Getting issue details...
- Version 2.0 - Initial release of the extensions version of the module.
  - [LIVECOPY-31](#) - Getting issue details...
  - [LIVECOPY-23](#) - Getting issue details...

