Link Mapper

The Link Mapper module attempts to improve on blindly returning 404. Instead these events are monitored and reported back to the editors. Editors can then choose to respond to each error with either 200 (hide the error), 302, 301 (redirects), or 410 (gone) to tell servers to stop looking for it.

Status	**INCUBATOR**
Type	Visual App
Edition	EE Pro
JIRA	MBLINKS
Git	linkmapper

Installation

Maven is the easiest way to install the module. Add the following dependency to your bundle:

```
<dependency>
  <groupId>info.magnolia.linkmapper</groupId>
  <artifactId>magnolia-linkmapper</artifactId>
  <version>${linkMapperVersion}</version>
</dependency>
```

This module is located in the incubator repository and requires additional changes to your Maven settings file.

Versions

3.2	**Magnolia 5.6**
3.1	Magnolia 5.6
3.0	Magnolia 5.6

Usage

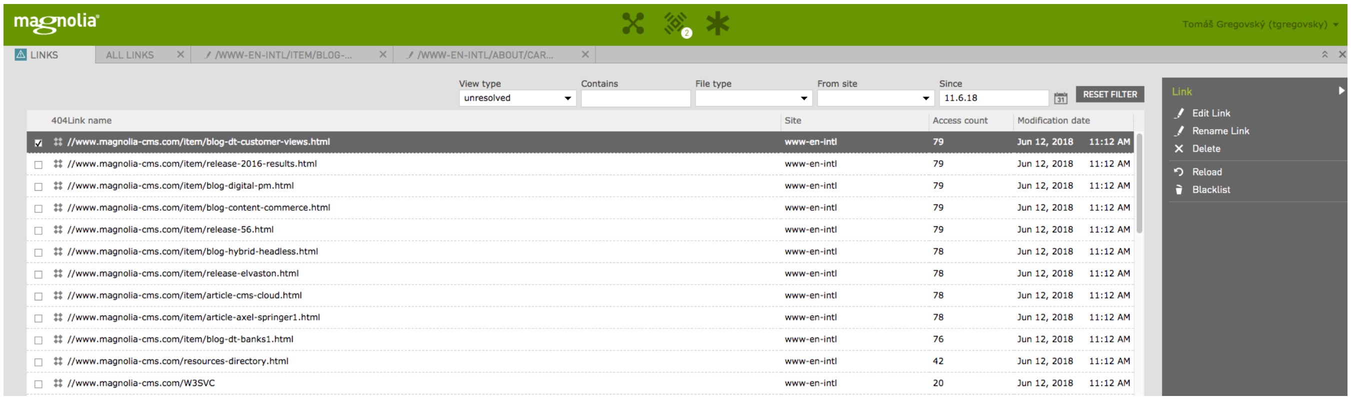
Once installed and configured the link mapper module stores data on a 3rd party server. Data is being collected by the public instance(s) each time a 404 is detected. This data can then be consumed by the author instance (on-demand) in the 404Links app. Editors can examine the data and decide what redirect action (response) should be taken. These redirects can be published to the public instances much the same way a virtual URI mappings are done. The difference here is that the virtual URI mappings are handled prior to rendering while the 404 redirects are handled after rendering.

Configuration

`clientIdentifier`	**required** To use the link mapper module you will need to obtain client identifier from Magnolia. This identifier is used to track the data obtained by the filter. This property is set in the module config.
`baseUrl`	**required** The base URL for the 3rd party service collecting the data. Also obtained from Magnolia along with the client identifier. This property is set on the `linkMapperService` node in the rest-cient registry.

404Links app

From the author instance editors can use the 404Links app to view the data collected on the public instances by the broken links filter. Data is collected from the server using the *Reload* action. Broken links are displayed along with corresponding site name and access count (or frequency). Results can be searched and sorted in a variety of different ways.

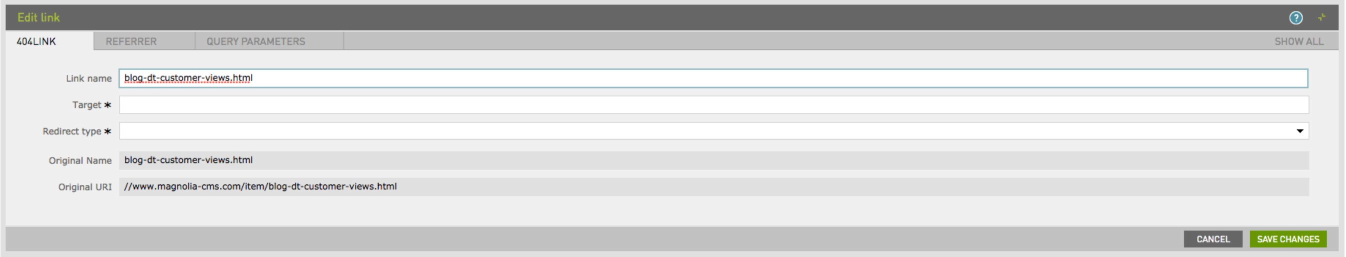

magnolia
Tomáš Gregovský (tgregovsky)
LINKS
ALL LINKS
/WWW-EN-INTL/ITEM/BLOG-...
/WWW-EN-INTL/ABOUT/CAR...
RESET FILTER
Link
Edit Link
Rename Link
Delete
Reload
Blacklist

View type	Contains	File type	From site	Since
unresolved				11.6.18

	404Link name	Site	Access count	Modification date
☑	//www.magnolia-cms.com/item/blog-dt-customer-views.html	www-en-intl	79	Jun 12, 2018 11:12 AM
□	//www.magnolia-cms.com/item/release-2016-results.html	www-en-intl	79	Jun 12, 2018 11:12 AM
□	//www.magnolia-cms.com/item/blog-digital-pm.html	www-en-intl	79	Jun 12, 2018 11:12 AM
□	//www.magnolia-cms.com/item/blog-content-commerce.html	www-en-intl	79	Jun 12, 2018 11:12 AM
□	//www.magnolia-cms.com/item/release-56.html	www-en-intl	79	Jun 12, 2018 11:12 AM
□	//www.magnolia-cms.com/item/blog-hybrid-headless.html	www-en-intl	78	Jun 12, 2018 11:12 AM
□	//www.magnolia-cms.com/item/release-elvaston.html	www-en-intl	78	Jun 12, 2018 11:12 AM
□	//www.magnolia-cms.com/item/article-cms-cloud.html	www-en-intl	78	Jun 12, 2018 11:12 AM
□	//www.magnolia-cms.com/item/article-axel-springer1.html	www-en-intl	78	Jun 12, 2018 11:12 AM
□	//www.magnolia-cms.com/item/blog-dt-banks1.html	www-en-intl	76	Jun 12, 2018 11:12 AM
□	//www.magnolia-cms.com/resources-directory.html	www-en-intl	42	Jun 12, 2018 11:12 AM
□	//www.magnolia-cms.com/W3SVC	www-en-intl	20	Jun 12, 2018 11:12 AM

Each entry can be adjusted and published over to the public instances. Use the *Edit Link* action to set the *Target* and *Redirect Type*. Upon save the item is automatically published.

> When editing an item you can see referrers and query parameters of the request that led to the 404. This is sometimes helpful to fight broken links coming from within the system.



Link name	blog-dt-customer-views.html
Target *	
Redirect type *	
Original Name	blog-dt-customer-views.html
Original URI	//www.magnolia-cms.com/item/blog-dt-customer-views.html

The target can be anywhere internal or external. The redirect type can be one of the following:

- **200: keep url** - Target will be served on original URI, may looks like a page duplicate.
- **301: permanent** - Use in case original URI will never exists again (default).
- **302: temporary** - Use in case original URI will exists again in future.
- **410: blacklist** - Announce that this page is permanently gone and not likely to ever appear again.

> There is also an action available from the browser view to quickly blacklist an item.

Warnings

- This module is at INCUBATOR level.
- Redirects are evaluated after rendering, so pages treated this way will take more time by needing to go through filter chain twice (About 20-50ms penalty). OTOH it doesn't slow anything else no matter how many you have (in difference from virtual URI mappings).
- You may run into slowness when loading large amounts of data into the JCR from the collection server.

Changelog

- Version 3.2
  - MBLINKS-19 - Getting issue details... STATUS
- Version 3.1
  - Updated for Magnolia 5.7 compatibility.
  - MBLINKS-17 - Getting issue details... STATUS

- Version 3.0 - Initial release of the extensions version of the module.