Base Distribution - Work Package # 45217

Status:	New	**Priority:**	Should have
Author:	Sebastian Kurfuerst	**Category:**	
Created:	2013-02-06	**Assigned To:**	
Updated:	2013-12-07	**Due date:**	
Subject:	[WIP][Assignee missing] External & internal link support		

Description

External & internal link support

- Target Audience: **users** who want to link between pages or want to check link status
- Responsible: XY
- Implemented by: XY, YZ
- Amount: XY work days
- Version: **for 1.0**
- Planned Implementation Timeframe: X - Y

Motivation

Linking to internal and external resources is a key feature of any CMS and are fundamental to the WWW. As such, providing easy to use and convenient support for linking is simply a must have.

Goal

Linking to internal resources should be very easy, possibly using some link wizard / browser. Links to internal resources should never break; if targets are moved or deleted, links should adapt automatically. For links to external resources some checking would be nice to have, so dead links can be detected. Links to the site (from the outside) should be maintained as good as possible as well - if a page is moved a redirect should occur instead of a 404 - and if pages are deleted providing a proper 410 response is advisable.

Deliverables

- Link plugin for Hallo / Aloha
- Update Aloha Integration
- redirect management for moved pages
- page removal results in 410 being sent
- outbound link checker
- 404 logging for incoming requests

Subtasks:

Story # 46526: Media/Scheme aware URL handler	**New**
Task # 48291: Redirect management for moved pages	**Accepted**
Task # 48365: Support editing basic external links with Aloha	**Resolved**
Task # 48366: Support editing internal links with Aloha	**Resolved**

Related issues:

duplicated by TYPO3.Neos - Bug # 53703: Creating links just works for absolut...	**Closed**	**2013-11-16**

History

#1 - 2013-02-06 19:18 - Sebastian Kurfuerst

- Subject changed from [WIP] well-working link support to [WIP][Assignee missing] well-working link support

- Target version set to 1.0 beta 1

#2 - 2013-02-12 13:59 - Karsten Dambekalns

- Subject changed from [WIP][Assignee missing] well-working link support to [WIP][Assignee missing] External & internal link support

#3 - 2013-07-31 11:42 - Bastian Waidelich

some initial thoughts/questions:

- use protocols for internal links!? (**resource:**// for resources, **page:**// for TYPO3CR page nodes?)
- use **persistence_object_identifier**, **identifier** or **path** to reference nodes?

I can think of four ways to create (page) links:

1. Referencing the node path

```
Lorem <a href="page://sites/somesiteorg/the/page/path">ipsum</a> dolor sit amet
```

+ one can determine the target page from reading the source!
+ easy to implement
- if the page path **or** the site changes we need to iterate through all nodes & deserialize the properties

2. Referencing the node identifier

```
Lorem <a href="page://02f9fcb6-95ac-61a5-ba6f-e41705ca6d48">ipsum</a> dolor sit amet
```

+ easy to implement
- if the page is (about to be) removed we need to iterate through all nodes & deserialize the properties

3. Using a links property in node containing the link

```
Lorem <a href="link://123">ipsum</a> dolor sit amet
```

and a property **links** with a value of (s.th. like):

```
...
123:
  node: 02f9fcb6-95ac-61a5-ba6f-e41705ca6d48
```

+ a bit easier to find and adjust links
- if new properties are added to the link relations (e.g. status, ...) all existing nodes must be updated

4. Using a links table

```
Lorem <a href="link://5d5c95ee-6f39-6234-6b29-0778e04f09d6">ipsum</a> dolor sit amet
```

+ easy to find and adjust links
+ extensible (new properties can be added to the links table)
- integrity of relations must be ensured

#4 - 2013-07-31 12:46 - Sebastian Kurfuerst

I'd opt in for 2 or 4. :-)

And maybe we need to use <a href="...." data-target-node="[uuid here]"> to make links directly working when they are inserted through Aloha...

Greets, Sebastian

#5 - 2013-07-31 14:30 - Adrian Föder

Bastian, were you aware of #46526, too? I think `page://` and/or `link://` will soon lead into trouble because it lacks extensibility and especially is subject to collisions.

#6 - 2013-08-06 17:09 - Bastian Waidelich

Adrian Föder wrote:

> *Bastian, were you aware of #46526, too? I think `page://` and/or `link://` will soon lead into trouble because it lacks extensibility and especially is subject to collisions.*

Thanks for the heads-up. The examples were just foo bar, but I wasn't aware of the issue!
I don't think extensibility is an issue, but maybe we should use some kind of namespace to avoid collisions