

TYPO3.Neos - Feature # 53381

Status:	Resolved	Priority:	Should have
Author:	Bastian Waidelich	Category:	Content Model
Created:	2013-11-06	Assigned To:	Bastian Waidelich
Updated:	2013-12-04	Due date:	
Subject:	Allow the site node to contain content		
Description			
<p>Neos has no notion of an initial landing page (e.g. homepage). When accessing the root page ("http://www.yourdomain.tld/") you actually get a representation of the primary child node of the resolved site node. The magic happens in the FrontendNodeRoutePartHandler:</p> <pre>1\$node = (\$relativeNodePath === '/') ? \$siteNode->getPrimaryChildNode() : \$siteNode->getNode(\$relativeNodePath);</pre> <p>This is a problem for several reasons:</p> <ul style="list-style-type: none">- When linking to the homepage, f.e. using Fluid: <code>node.uri(node: '~')</code>, Neos will create an URI <code>"/home.html"</code>- The content of <code>"/</code> is the same as <code>"/home.html"</code> which is bad SEO-wise- The homepage will be on the same level as other pages in the navigation tree which is wrong.			

Associated revisions

Revision bdd72f43 - 2013-11-12 21:49 - Bastian Waidelich

[!!!][FEATURE] Allow the site node to contain content

This change adds the notion of "homepage" to Neos.

Previously, when accessing the homepage, Neos returned the primary child of the site node leading to a couple of issues like:

- Links to the homepage always resolve to `"/home.html"`
- Duplicate content on `"/` and `"/home.html"`
- The "home" page is on the same level as it's sub pages in the navigation component

This change fixes this by allowing the site node to act just like any other node, containing arbitrary child nodes.

This is a breaking change because it modifies the behavior of Neos:

- The site node (marked with a globe icon in the backend) is now selectable in the navigation component
- Navigation to the homepage will render the site node, no longer its first child node

For compatibility reasons the type of existing site nodes is changed from ```unstructured``` to ```TYPO3.Neos:Shortcut``` when executing the

provided doctrine migration.

The same is true when importing existing ``Sites.xml`` exports via::

```
./flow site:import
```

This will, by default trigger an HTTP redirect to the first child page in the site root.

You usually want to avoid this because it's not the best SEO-wise. Currently the easiest way to achieve this, is to export the migrated site with:

```
./flow site:export --tidy --filename "Some/Path/Sites.xml"
```

Then change the ``type`` attribute of the ``site`` node to ``TYPO3.Neos:Page`` and optionally move the old homepages child node into the site node.

Afterwards you should be able to re-import the site.

Soon it'll be possible to change the node type via the Neos backend.

Change-Id: Iddc86edb51df20f1c72e280f8571b918a09af06

Resolves: #53381

Reviewed-on: <https://review.typo3.org/25206>

Reviewed-by: Bastian Waidelich

Tested-by: Bastian Waidelich

Reviewed-by: Christian Mueller

Tested-by: Christian Mueller

Reviewed-by: Aske Ertmann

Tested-by: Aske Ertmann

Revision c1b4cc5d - 2013-12-09 01:53 - Adrian Föder

[TASK] Improve backward compatibility of Site Import

when attempting to import "old" Site XML, there is the need to make the site node a Shortcut to the first subpage, flag it to be hidden in index, and add a `title` property being the site's name.

This introduces a method to "patch" the incoming XML to comply with the above requirements.

Note: this reverts parts of Iddc86edb51df20f1c72e280f8571b918a09af06 where the backward compatibility requirements were already partially implemented.

Change-Id: I3280096189f5f5eafa7b9c684d3d64c9376fe0f1

Resolves: #53609

Related: #53381

Reviewed-on: <https://review.typo3.org/26071>

Reviewed-by: Adrian Föder

Tested-by: Adrian Föder

Tested-by: Mr. Hudson

Reviewed-by: Karsten Dambekalns

Reviewed-by: Bastian Waidelich

Tested-by: Bastian Waidelich

History

#1 - 2013-11-06 16:04 - Bastian Waidelich

As discussed with Sebastian, a clean way to solve this would allow the **site node** to be something else than **unstructured**. In fact it should be **forced** to be of type `TYPO3.Neos:Document` to make this explicit (`TYPO3.Neos:Shortcut` is also a sub-type of document btw)

These are the required steps for this to achieve:

- Don't set the site as **content object** of the site node
- Instead link it as **property** in the node (we'll need <https://review.typo3.org/#/c/24738/> for this!)
- Adjust code that expected the site node to be a proxy for site (shouldn't be many places)
- Adjust TS objects (e.g. Breadcrumb needs to include the site node)
- (possibly) adjust the navigation component, so that the root node is clickable
- Adjust `SiteImportService` and `SiteExportService`
- Adjust `TYPO3.SiteKickstarter`

#2 - 2013-11-06 18:01 - Bastian Waidelich

A quick update re "Instead link it as property in the node (we'll need <https://review.typo3.org/#/c/24738/> for this!)". Apparently we don't because properties get serialized transparently as of <https://review.typo3.org/#/c/22826/>

But I wonder if we need that bidirectional dependency `Node <-> Site` at all. It seems the site is never fetched from the node directly anywhere in the code. Only the site node is retrieved by the site's `nodename` property in `ContentContext::getCurrentSiteNode()`

It seems this change is less complex than I expected - but we do need to adjust some `FlowQueryOperations` that stop below the site node (e.g. `parents()`)

#3 - 2013-11-07 22:09 - Bastian Waidelich

- *Tracker changed from Bug to Feature*
- *Subject changed from Missing notion of "homepage" to Allow the site node to contain content*

#4 - 2013-11-07 22:10 - Gerrit Code Review

- *Status changed from Accepted to Under Review*

Patch set 1 for branch **master** of project **Packages/TYPO3.Neos** has been pushed to the review server.

It is available at <https://review.typo3.org/25206>

#5 - 2013-11-08 17:20 - Bastian Waidelich

Current status (<https://review.typo3.org/25206>):

- ~~Don't set the site as content object of the site node~~
- ~~Instead link it as property in the node~~ -> That wasn't required, we always fetch the site node from a site never the other way around
- ~~Adjust code that expected the site node to be a proxy for site~~ -> there was none
- ~~Adjust TS objects~~ -> Done for the Breadcrumb TS object

- ~~adjust the navigation component, so that the root node is clickable~~ ->done, but it still needs some tweaking (see below)
- ~~Adjust SiteImportService and SiteExportService~~ -> done
- Adjust TYPO3.SiteKickstarter -> patch set in the working

Todos / Issues:

- The inspector of the homepage shows all node properties, including "Name (URL)". Changing the name breaks the site because Site.nodeName is not a reference!

It would be a good idea to change Site.nodeName to Site.rootNode, turning it into a proper relation. But that wouldn't solve the issue completely because it wouldn't make for an editor to change the site node name from the inspector anyways.

A pragmatic solution would be to hide this editor for the homepage via JS - We'll have to touch that anyways soon for multi-language-support

- We need a migration for existing sites turning the site node from **unstructured** to **TYPO3.Neos:Shortcut** (as discussed with Aske) and removing the site content object from it

#6 - 2013-11-11 17:53 - Gerrit Code Review

Patch set 2 for branch **master** of project **Packages/TYPO3.Neos** has been pushed to the review server.

It is available at <https://review.typo3.org/25206>

#7 - 2013-11-12 00:49 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.Neos** has been pushed to the review server.

It is available at <https://review.typo3.org/25206>

#8 - 2013-11-12 14:34 - Gerrit Code Review

Patch set 4 for branch **master** of project **Packages/TYPO3.Neos** has been pushed to the review server.

It is available at <https://review.typo3.org/25206>

#9 - 2013-11-12 16:34 - Gerrit Code Review

Patch set 5 for branch **master** of project **Packages/TYPO3.Neos** has been pushed to the review server.

It is available at <https://review.typo3.org/25206>

#10 - 2013-11-12 19:33 - Gerrit Code Review

Patch set 6 for branch **master** of project **Packages/TYPO3.Neos** has been pushed to the review server.

It is available at <https://review.typo3.org/25206>

#11 - 2013-11-12 19:35 - Gerrit Code Review

Patch set 7 for branch **master** of project **Packages/TYPO3.Neos** has been pushed to the review server.

It is available at <https://review.typo3.org/25206>

#12 - 2013-11-12 19:39 - Gerrit Code Review

Patch set 8 for branch **master** of project **Packages/TYPO3.Neos** has been pushed to the review server.
It is available at <https://review.typo3.org/25206>

#13 - 2013-11-12 20:56 - Gerrit Code Review

Patch set 9 for branch **master** of project **Packages/TYPO3.Neos** has been pushed to the review server.
It is available at <https://review.typo3.org/25206>

#14 - 2013-11-12 20:57 - Gerrit Code Review

Patch set 10 for branch **master** of project **Packages/TYPO3.Neos** has been pushed to the review server.
It is available at <https://review.typo3.org/25206>

#15 - 2013-11-12 22:35 - Bastian Waidelich

- *Status changed from Under Review to Resolved*
- *% Done changed from 0 to 100*

Applied in changeset commit:bdd72f43727295515f2f3e7e01b1fd2405c3d5ef.

#16 - 2013-12-04 18:44 - Bastian Waidelich

- *Target version set to 1.0 beta 2*