URI Scheme

Version 0.2

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Proposal for a standardization of URIs which are used for CMS functionality.

1. Introduction

We want to standardize CMS functionality across different publications so that we can consolidate them in a standard root sitemap.

In order to achieve this one precondition is to standardize on the URIs how the CMS functionality is invoked.

There are different ways to achieve this. We either reserve part of the URI space (e.g. /lenya/foo) or we reserve part of the request parameter space (e.g. /foo?lenya=bar)

1.1. Dynamic URIs

We decided to go mostly for the second solution so that we can leave the URI space as required by the publication and use request parameters to invoke CMS actions.

We define two standard request parameters which we use to invoke all CMS actions in a standard way:

> **`lenya.usecase`**
> The name of the use case, e.g. "publish"
> **`lenya.step`**
> Each use case can have multiple steps, e.g. "showscreen"

1.2. Static URIs

There are also some static URIs that are needed for the Lenya CMS. They are mostly internal pipelines for resources such as the menu, css or support files for Xopus and Bitflux editors.

There is currently no consistent standard as to under which URI space these resources should be located. Some are residing in `/xopus/**` or `/bitflux/**` and others are in `/lenya/**`.

2. URI definition

Given the URI `/lenya/computerworld/authoring/news/foo.html` we define the following parts:

URI fragment	Name
lenya	`context-prefix`
computerworld	`publication-id`
authoring	`area`
news/foo	`document-id`

3. Static URIs

Currently different fragments of the URI space are reserved (e.g. `/xopus/**`, `/bitflux/**` and everything under `/lenya/**` that hasn't been defined previously).

> **FIXME (ce):**
> The reserved URI space needs to be consolidated and standardized.

4. Dynamic URIs

4.1. Overview of use cases

The following use cases are known:

Use case	lenya.usecase=	lenya.step=	Comment
Publish	publish	showscreen	Confirm the publication of this document
		publish	Publish this document
Create	create	showscreen	Show a form allowing to specify the parameters for creation of a document

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		create	Create the document
Resource upload	upload	showscreen	Show a form allowing to specify the parameters for uploading of a resource
		upload	Upload the resource
Rollback	rollback	showscreen	Show a list of all versions of this document
		view	View a particular version of this document
		rollback	Roll back to a particular version of this document
Checkin	checkin	showscreen	Confirm the checkin of this document
		checkin	
Checkout	checkout	showscreen	Confirm the checkout of this document
		checkout	
Schedule	schedule	showscreen	Show a list of all task scheduled for this document
		add	Add a new task
		modify	Modify an existing task
		delete	Delete an existing task
Edit			
User Admin	user-admin	showscreen	Show an overview page listing all users
		add	Add a user
		modify	Modify a user

		delete	Delete a user
Logout	logout	showscreen	Confirm the logout
View Logs	view-logs	overview	Show the logfile list for this publication
		log	Show a single logfile

FIXME (ce):

Can the authenticate process done in a similar way?

4.2. Use cases

4.2.1. Resource upload

`lenya.usecase=upload`

`lenya.step=`	additional parameters	sample value
showscreen	xpath	/NewsML/body.content/block[1]/*[1]
	insertBefore [optional]	true
upload	documentid	
	xpath	
	insertBefore [optional]	
	uploadFile	
	identifier [optional]	
	All Dublin core identifiers are also accepted	

FIXME (ce):

We assume that we can get the documentid from the request URI (given the standardized <u>URI definition</u>). Is this ok?

4.2.2. Create

`lenya.usecase=create`

`lenya.step=`	additional parameters	sample value
showscreen	parentid	/dossiers/2003

	doctype	Dossier
create	parentid	
	childid	
	doctype	

4.2.3. Rollback

`lenya.usecase=rollback`

lenya.step=	additional parameters	sample value
showscreen		
view	version	

4.2.4. View Logs

`lenya.usecase=view-logs`

lenya.step=	additional parameters	sample value
overview		
log	logfile	2003-05-13-18-34-00-314.xml

FIXME (ce):

Add remaining use cases

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