

CoolURI vs. RealURL

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assai:

Erm... Who are you?

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- § 08.07.1986
- § Student of Business Information Technology (Bachelor of Science) at the FH HWZ
- § Working with TYPO3 since v3.6

Assai Dialog + Digital AG

- § Agency for digital and dialogue-based communications
- § Company of the Wirz Group
- § Using TYPO3 since version 3.8

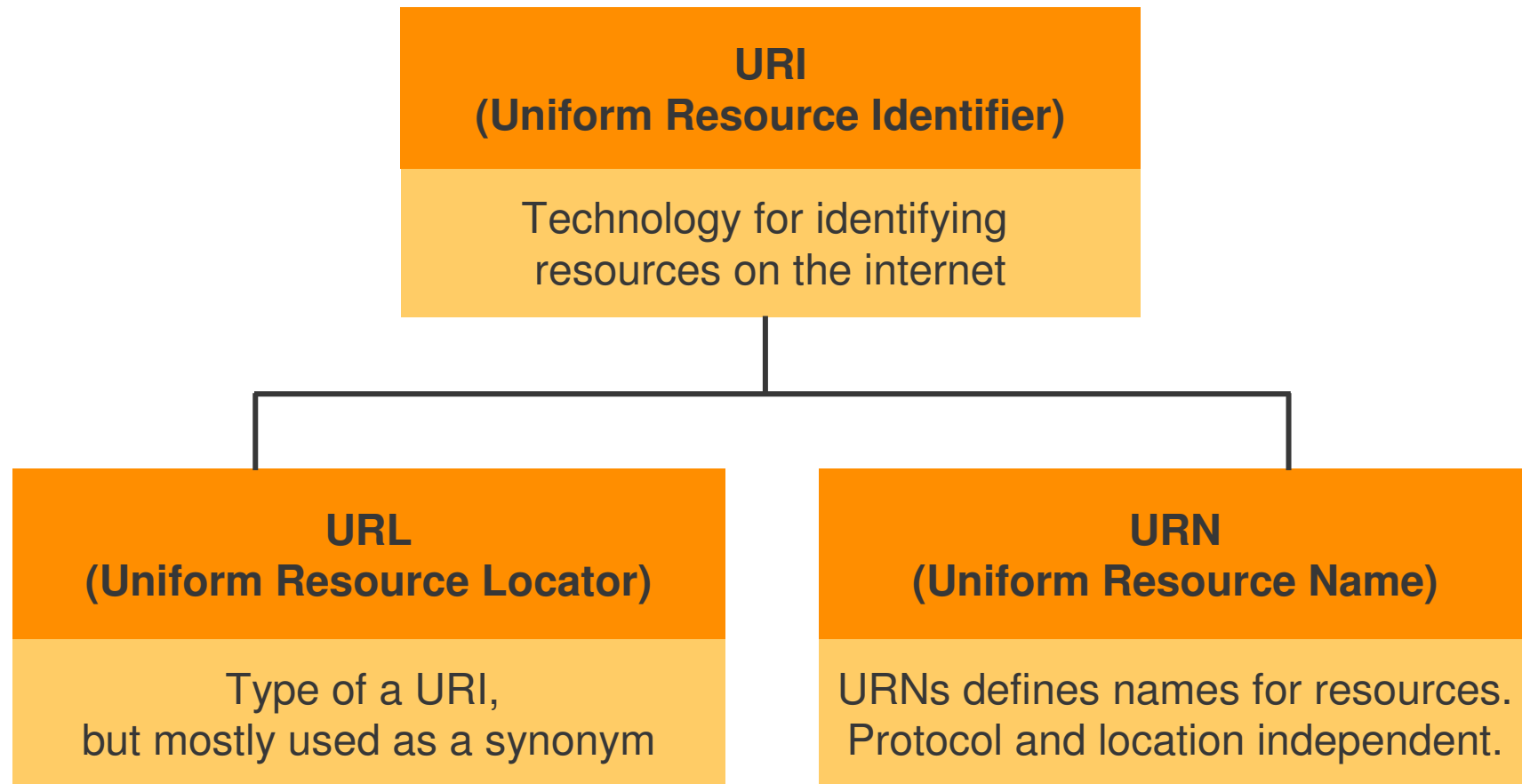
Agenda

1. Uniform Resource definitions 5'
2. Why use CoolURIs 5'
3. EXT:cooluri – an introduction 10'
4. CoolURI vs. RealURL 10'
5. Conclusion 5'
6. Questions 5-10'

Uniform Resource definitions

URI / URL / URN

Uniform Resource definitions



Uniform Resource Identifier: Examples

- § `http://wikipedia.org/wiki/Uniform_Resource_Identifier` — URL
- § `ftp://ftp.is.co.za/rfc/rfc1808.txt`
- § `file://C:\UserName.HostName\Projects\Wikipedia_Articles\URI.xml`
- § `ldap://[2001:db8::7]/c=GB?objectClass?one`
- § `gopher://gopher.floodgap.com`
- § `mailto:John.Doe@example.com`
- § `news:comp.infosystems.www.servers.unix`
- § `data:text/plain;charset=iso-8859-7,%be%fg%be`
- § `tel: +1-816-555-1212`
- § `telnet://192.0.2.16:80/`
- § `urn:oasis:names:specification:docbook:dtd:xml:4.1.2` — URN

In general, URI is the correct term to use when referring to the locations of resources on the internet

Why should I use CoolURIs? Advantages / Disadvantages

Why use coolURIs

- § CoolURIs = **user-friendly** URIs
- § CoolURIs are easy to type and remember
- § Option to change from one technology to another without broken links
- § DirtyURIs are a security risk

Security aspects

- § Query string is often modified by hackers
- § A DirtyURI gives information about the implementation of a dynamic web site

Advantages / Disadvantages

Advantages

- § CoolURIs do not change
- § Users like CoolURIs
- § Search engines like CoolURIs

Disadvantages

Do search engines like CoolURI?

Does that mean I should avoid rewriting dynamic URLs at all?
That's our recommendation.

(„Dynamic URLs vs. static URLs“
Google Webmaster Central Blog, 22th September 2008)

Conclusion

High quality static URI > Dynamic URI > Low quality static URI

§ High quality static URI

`www.example.com/article/bin/answer.foo/en/3`

§ Dynamic URI

`www.example.com/article/bin/answer.foo?language=en&answer=3`

§ Low quality static URI

`www.example.com/article/bin/answer.foo/en/3/98971298178906/URL`

Advantages / Disadvantages

Advantages

- § CoolURIs do not change
- § Users like CoolURIs
- § Search engines like CoolURI

Disadvantages

- § Difficult access to parameters
- § Replaced parameters may not unique
- § No option to transform DirtyURIs to CoolURIs

Recommendations

More is less (in the majority of cases)

- § /companydetails vs. /company
- § /company vs. /c

Substitute spaces

- § Spaces are not recommended in a URI and should be substituted by something
- § Underscores are difficult to notice, dashes are more readable
- § Both, underscores and dashes, are treated as word separators

Use lower case

- § Operating system independency

Many, many things can change –
your URIs can and should stay
the same

EXT: cooluri

An introduction

EXT:cooluri – an introduction

- § TER: v1.0.15 (stable)
- § Alternative to RealURL
- § Based on URITransformer
- § XML-Configuration
- § Multidomain support

Requirements

- § PHP 5+
- § SimpleXML enabled
- § MySQL 4.1+
- § mod_rewrite or other rewriting tools enabled

YAML

- § „YAML for TYPO3“ implements CoolURI for URL-Rewriting
- § Since v2.0.10
- § Editable via constant editor

Use cooluri?
Enable this feature only, if you have installed the CoolURI extension.
Read it! If you enable this feature, simulate a real URL, which is required by cooluri, is set a

Yes No
Default: 0

Base URL
YOU MUST CHANGE this default-setting to your own domain.
online-documentation of realurl instructs you to use the following URL:

http://localhost/tvweb01/
Default: http://www.changeme.tld/

Prefix local anchors
If realurl or cooluri is used and this feature is enabled, the content is always processed by the realurl script. Basically this means that is set. (all = the content is always processed by the realurl code just before it's echoed out.)

No
Default: all

CoolURI: LinkManager

CoolURIs' project's LinkManager

[Home](#) [Cached links](#) [Old links](#) [New link](#) [New redirect](#) [Delete/Update all](#)

Welcome to the CoolURIs' LinkManager

Create new URIs

CoolURIs' project's LinkManager

[Home](#) [Cached links](#) [Old links](#) [New link](#) [New redirect](#) [Delete/Update all](#)

Welcome to the CoolURIs' LinkManager



URI:

Parameters (query string: id=1&type=2):

Sticky (won't be updated):

Create new URIs

CoolURIs' project's LinkManager

[Home](#) [Cached links](#) [Old links](#) [New link](#) [New redirect](#) [Delete/Update all](#)

Welcome to the CoolURIs' LinkManager

From:













To:

Managing existing URIs

CoolURIs' project's LinkManager

[Home](#) **Cached links** [Old links](#) [New link](#) [New redirect](#) [Delete/Update all](#)

Welcome to the CoolURIs' LinkManager

about-us	?id=14	2009-01-23 13:47:38	2009-01-23 13:47:38	NO				
about-us/team/	?id=11	2009-01-23 13:47:48	2009-01-23 13:47:48	NO				
testlink	?id=5	2009-01-23 13:47:27	2009-01-23 13:47:27	NO				

„Basically, RealURL’s configuration voodoo is substituted by XML configuration file”
(Jan Bednarik)

CoolURI vs. RealURL Comparison / Evaluation

CoolURI vs. RealURL

CoolURI

RealURL

Configuration

§ XML-Configuration

§ PHP-Configuration

Caching

§ link_cache

§ tx_realurl_chashcache

§ tx_realurl_pathcache

§ tx_realurl_urldecodecache

§ tx_realurl_urlencodecache

CoolURI vs. RealURL

CoolURI

RealURL

Administration

§ Integrated Backend-Module:
CoolURI Manager

§ Various extension available

Multidomain support

§ No additional Configuration is needed
as CoolUri has Multidomain Support
integrated

§ Extra Configuration is needed
(rootpage_id)

§ EXT:jb_status_code to set 301
redirects

CoolURI XML-Settings vs. RealURL -Settings

CoolURI

```
<valuemaps>
  <valuemap>
    <parameter>L</parameter>
    <value key="">0</value>
    <value key="de">1</value>
    <value key="fr">2</value>
    <value key="it">3</value>
  </valuemap>
</valuemaps>
```

RealURL

```
array(
  'GETvar' => 'L',
  'valueMap' => array(
    '' => '0',
    'de' => '1',
    'fr' => '2',
    'it' => '3',
  ),
  'noMatch' => 'bypass',
)
```

CoolURI XML-Settings vs. RealURL -Settings

CoolURI

```
<part>  
  <parameter>tx_mmforum_pi1[user_id]</parameter>  
  <lookindb>  
    <to>SELECT username FROM fe_users WHERE uid=$1</to>  
    <translatetoif>  
      <match>^[0-9]+$</match>  
    </translatetoif>  
    <urlize>1</urlize>  
  </lookindb>  
</part>
```

CoolURI XML-Settings vs. RealURL -Settings

RealURL

```
array(  
  'GETvar'      => 'tx_mmforum_pi1[user_id]',  
  'lookUpTable' => array(  
    'table'      => 'fe_users' ,  
    'id_field'   => 'uid',  
    'alias_field' => 'username',  
    'addWhereClause' => ' AND NOT deleted',  
  ),  
)
```

Conclusion

CoolURI, because...

- § Simple and clear configuration
- § Simple administration
- § Caching
- § „Old links“ – functionality
- § Clean code

RealURL, because...

- § Performance
- § Running on every system
- § Well-known
=> more support by the community
- § Never change a running system

It is not important if you use
CoolURI or RealURL;
only using one of them matters.

Thank you
for listening

TYPO3

