

# Mirage XMLUI Theme and Restructured dri2xhtml for DSpace 1.7

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@mire contribution of new theme to support easier development and branding. Provides the following:

1. Mirage, a new basic theme for the Manakin XML User Interface that contains the templates that need customization most often in the UI.
2. A Restructured dri2xhtml base templates for easing locating specific XSLT templates.

## Mirage XMLUI Theme

### Overall Benefits

- Clean new look and feel.
- Increased browser compatibility. The whole theme renders perfectly in today's modern browsers (Internet Explorer 7 and higher, Firefox, Safari, Chrome, ...)
- Easier to customize.
- Enhanced Performance

### Technical Features

#### Look & Feel

- **The Simple Item Display** underwent a full redesign to provide visitors with a clearer overview of available metadata and associated files.
- **Item list views** can now be displayed in two distinct different styles. Switching between these styles is possible with the new dspace.cfg parameter 'xmlui.theme.mirage.item-list.emphasis'
  - The **'metadata'** list style includes item abstracts in the listing and is suited for scientific articles.
  - The **'file'** list style immediately shows you whether files are attached to the items, by displaying a large thumbnail icon for each of the items.

#### Structural enhancements for easier customization.

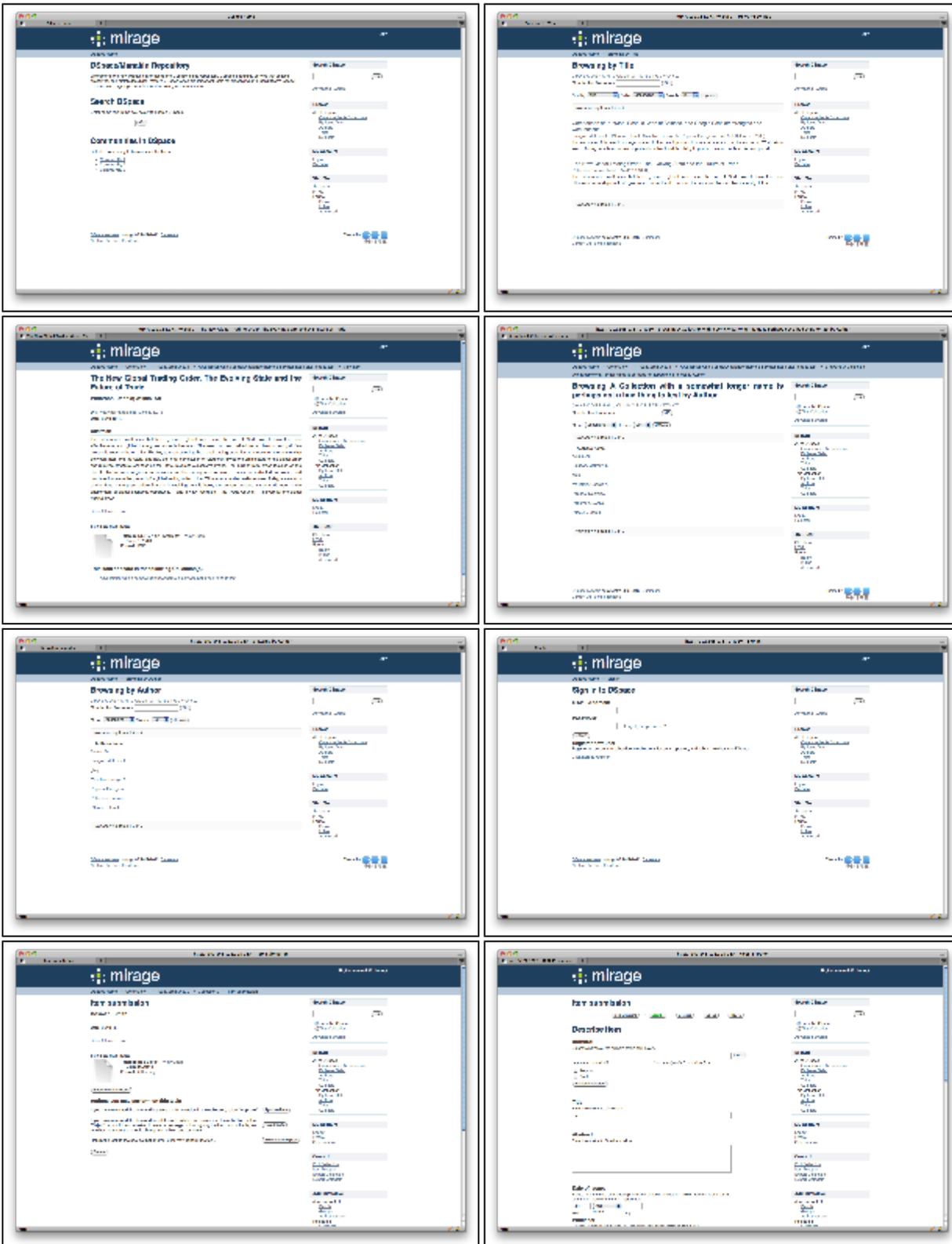
- **Based on the new restructured dri2xhtml base templates.** Templates in the theme, overriding the new base templates, are located in the same folder hierarchy to ensure full transparency.
- **Automated browser feature detection** for improved browser compatibility.
  - In other themes, user agent detection is used to identify which browser version your user is using. Based on the result of this detection, the theme would use a different cascaded style sheet (CSS) to render a compatible page for the visitor. This approach has 2 major issues:
    - User agent detection isn't very reliable
    - Maintaining these different CSS files is a maintenance nightmare for developers, especially when using features from newer browsers.
  - Mirage applies two novel techniques to resolve these issues
    - For compatibility with older Internet Explorer browsers, [conditional comments give the body tag a class corresponding to the version of IE](#)
    - [modernizr](#) is used to detect which css features are available in the user's browser. This way you can target all browsers that support a certain feature using css classes, and rules affecting the same element can be put together in the same place for all browsers.
- **CSS files are now split up according to function** instead of browser. **style.css** will now fit most needs for customization. Following additional CSS files are included, but will rarely need to be changed:
  - **reset.css** ensures that browser-specific initializations are being reset.
  - **base.css** contains a few base styles
  - **helper.css** contains helper classes to deal with specific functionality.
  - **handheld.css and print.css** enable you to define styles for handheld devices and printing of pages.
- **jQuery and jQueryUI are included by default.** To avoid conflicts the authority control javascript has been rewritten to use jQuery instead of Prototype and Script.aculo.us.

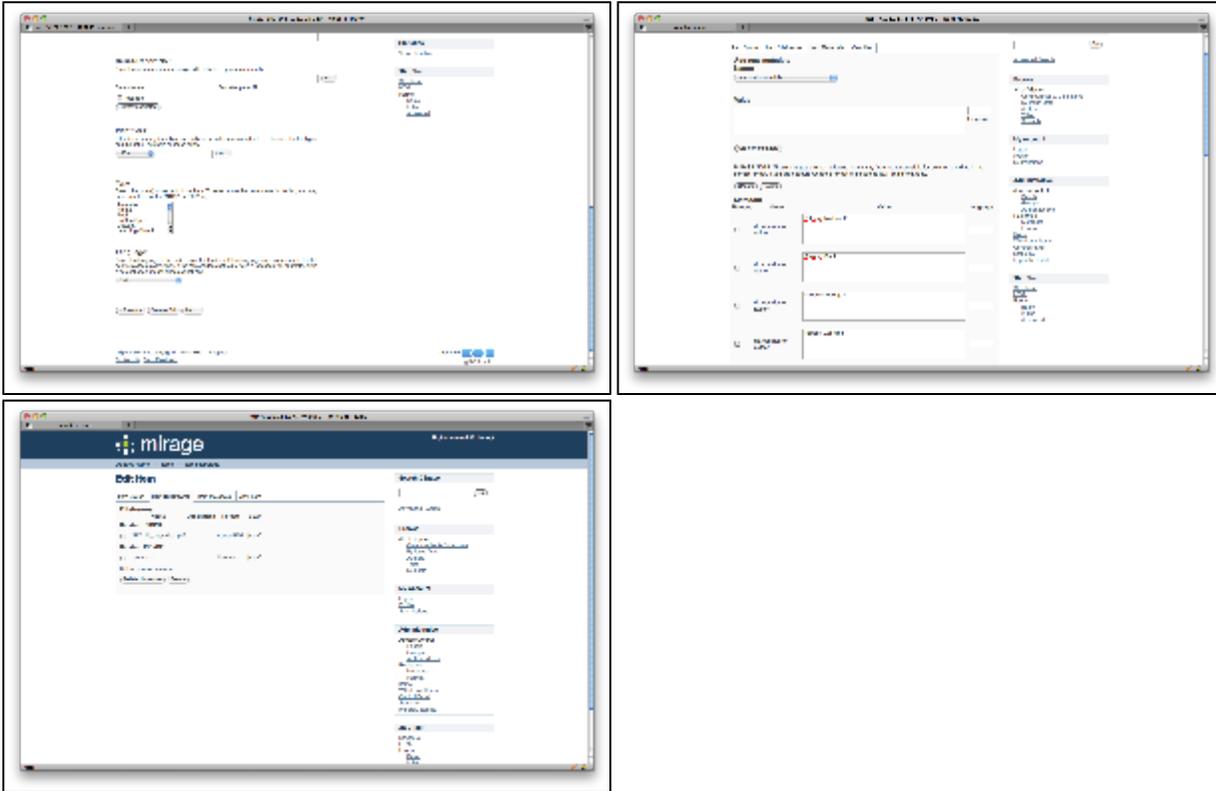
#### Enhanced Performance

- **Concatenation and Minification techniques** for css and js files.
  - The IncludePageMeta has been extended to generate URL's to the concatenated version of all css files using the same media tag.
  - The ConcatenationReader has been created to return concatenated and minified versions of the css and js files.
  - Once js and css files have been minified and concatenated, they are being properly cached. As a result, the minification and concatenation operations only need to happen once, and do not include performance overhead.
  - Caution: when minification is enabled, all code-comments will be removed. This could be a problem for comments containing copyright notices, so for files with those comments you should disable minification by adding '?nominify' after the url e.g. `<map:parameter name="javascript" value="lib/js/jquery-ui-1.8.5.custom.min.js?nominify"/>`
  - Disabled by default, these features need to be enabled in the configuration using the properties 'xmlui.theme.enableConcatenation' and 'xmlui.theme.enableMinification'
  - These features can be enabled for other themes as well, but will require an alteration of the theme's sitemap.

- Javascript references are included at the bottom of the page instead of the top. This optimizes page load times in general.

## Screenshots





## dri2xhtml-alt

See committed source for dri2xhtml-alt here: <http://scm.dspace.org/svn/repo/dspace/trunk/dspace-xmlui/dspace-xmlui-webapp/src/main/webapp/themes/dri2xhtml-alt/>

## Configuration and Installation

The alternative basic templates has been committed, and is currently dubbed "dri2xhtml-alt". Any of the existing themes can be updated to reference this new set of templates by replacing in your theme.xml:

```
<xsl:stylesheet xmlns:i18n="http://apache.org/cocoon/i18n/2.1"
  xmlns:dri="http://di.tamu.edu/DRI/1.0/"
  xmlns:mets="http://www.loc.gov/METS/"
  xmlns:xlink="http://www.w3.org/TR/xlink/"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0"
  xmlns:dim="http://www.dspace.org/xmlns/dspace/dim"
  xmlns:xhtml="http://www.w3.org/1999/xhtml"
  xmlns:mods="http://www.loc.gov/mods/v3"
  xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns="http://www.w3.org/1999/xhtml"
  exclude-result-prefixes="i18n dri mets xlink xsl dim xhtml mods dc">

  <!--
    comment out original dri2xhtml
    <xsl:import href="../dri2xhtml.xml"/>
    and enable dri2xhtml-alt
  -->

  <xsl:import href="../dri2xhtml-alt/dri2xhtml.xml"/>

  <xsl:output indent="yes"/>
```

Because the contents of dri2xhtml-alt is identical to the current dri2xhtml.xml and its derivatives, updating any of the existing themes to reference the new dri2xhtml-alt should not impose any changes in the rendering of the pages.

## Features

- No changes to existing templates found in legacy dri2xhtml
- Drops inclusion of Handlers other than DIM and Default
- Templates divided out into files so they can be more easily located, divided by Aspect, Page and Functionality

```
/dspace-xmlui/dspace-xmlui-webapp/src/main/webapp/themes/dri2xhtml-alt/
```

```
aspect
  administrative
    harvesting.xsl
  artifactbrowser
    COinS.xsl
    ORE.xsl
    artifactbrowser.xsl
    collection-list.xsl
    collection-view.xsl
    common.xsl
    community-list.xsl
    community-view.xsl
    item-list.xsl
    item-view.xsl
  general
    choice-authority-control.xsl
core
  attribute-handlers.xsl
  elements.xsl
  forms.xsl
  global-variables.xsl
  navigation.xsl
  page-structure.xsl
  utils.xsl
dri2xhtml.xsl
```