

# DSpace 1.4.1 - Customization

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2007-03-13

- 1 Introduction
- 2 Activate Changes
- 3 dspace.cfg
- 4 Text
- 5 Layout
- 6 input-forms

This workshop provides an overview of the DSpace customization possibilities. Detailed information can be found in:

- the DSpace System Documentation
- the DSpace Wiki

As every installation of DSpace has it's own structure the following conventions are used:

- *[dspace-source]*  
The DSpace source directory
- *[dspace]*  
The DSpace installation directory
- *[YourURL]*  
The URL of your DSpace installation  
*https://eldorado.uni-dortmund.de/*
- *[tomcat]*  
The installation directory of your servlet container

**Bitstream** represents a file.

**Bundle** a container for bitstreams

**Collection** a container for items

**Community** a container for Communities and Collections

**Eperson** a registered DSpace user

**Group** a container for epeople

**Item** The item is the basic archival element. It consists of metadata and bundles. Each item is owned by one collection and might be mapped to other collections.

The most important configuration file is

```
[dspace-source]/config/dspace.cfg
```

Here you can find

- all the basic settings,
- features to be switched on,
- part of the UI configuration,
- ...

The *dspace.cfg* is a list of key-value-pairs:

```
webui.itemdisplay.default = dc.title, \  
                             dc.contributor.*, \  
                             \
```

Please note, that a key-value-pair must be on one line. Line breaks are to be escaped with \.

The most commonly changed texts and graphics reside in:

- `[dspace-source]/config/language-packs/Messages.properties`  
the language tags
- `[dspace-source]/config/emails/*`  
templates for emails
- `[dspace-source]/jsp/image`  
images

The most commonly changed JSP's (Corporate Design) are:

- `[dspace-source]/jsp/styles.css.jsp`  
the stylesheet
- `[dspace-source]/jsp/layout/header-default.jsp`  
the header
- `[dspace-source]/jsp/layout/footer-default.jsp`  
the footer
- `[dspace-source]/jsp/layout/navbar-default.jsp`  
the navigation bar



Logged in as an administrator at

*[YourURL]*//dspace-admin

you can access a number of administrative tools.

Among other things, you may customize:

- the default DSpace License
- the News

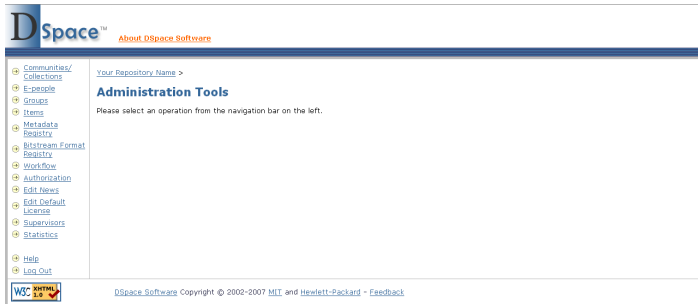


Figure: The Administration UI

Changes not made via the UI must be activated by one of these methods:

## For mere config changes do

- 1 Log in as the DSpace user to the system
- 2 `cd [dspace-source]`
- 3 run `ant init_configs`
- 4 Restart your servlet container

If you change one of these elements in *dspace.cfg*

`config.template.log4j.properties`

`config.template.log4j-handle-plugin.properties`

`config.template.oaicat.properties`

you must run `[dspace]/bin/install-configs .`

## Perform the following steps:

- 1 Log in as the DSpace user to the system
- 2 `cd [dspace-source]`
- 3 Run `ant update`
- 4 Stop your servlet container
- 5 Delete old deployments in `[tomcat]/webapps` and `[tomcat]/work`
- 6 `cp [dspace-source]/build/dspace.war [tomcat]/webapps/dspace.war`  
and if necessary  
`cp [dspace-source]/build/dspace-oai.war [tomcat]/webapps/dspace-oai.war`
- 7 Start your servlet container

## Perform the following steps:

- 1 Log in as the DSpace user to the system
- 2 Run `[dspace]/bin/index-all`

You can enable the use of controlled vocabularies for ingest and search.

### Files:

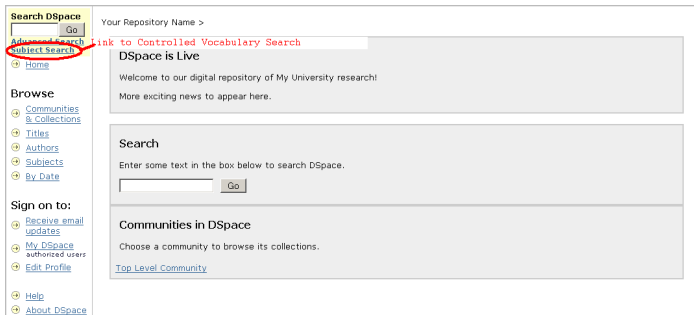
- `[dspace-source]/config/dspace.cfg`
- `[dspace-source]/config/controlled-vocabularies/*.xml`

### Perform the following steps

- 1 Edit `[dspace-source]/config/dspace.cfg`
- 2 Set `webui.controlledvocabulary.enable = true`
- 3 Perform the steps in [► Mere Configuration Changes](#).

### Note:

All controlled vocabularies residing in `[dspace]/config/controlled-vocabularies` will be used on a DSpace instance.



**Search DSpace**

[Advanced Search](#) [Link to Controlled Vocabulary Search](#)

[Subject Search](#)

[Home](#)

**Browse**

- [Communities & Collections](#)
- [Titles](#)
- [Authors](#)
- [Subjects](#)
- [By Date](#)

**Sign on to:**

- [Receive email updates](#)
- [My DSpace authorized users](#)
- [Edit Profile](#)
- [Help](#)
- [About DSpace](#)

Your Repository Name >

**DSpace is Live**

Welcome to our digital repository of My University research!

More exciting news to appear here.

**Search**

Enter some text in the box below to search DSpace.

**Communities in DSpace**

Choose a community to browse its collections.

[Top Level Community](#)

Figure: Navigation Bar with Link to Controlled Vocabularies Search



### Subject Search

[Help...](#)

Check the boxes next to the categories that you wish to search under, then hit "Search...". Categories can be expanded to refine the search terms, and as many categories can be selected as required.

Filtering the list of categories will remove from the list below any categories that do not match the filter term. Expanding each category will show you which terms did match the filter.

Find a subject in the controlled vocabulary:

Filter:

- VDP
  - Humaniora: 000
  - Samfunnsvitenskap: 200
  - Matematikk og Naturvitenskap: 400
  - Teknologi: 500
  - Medisinske Fag: 700
  - Landbruks- og Fiskerifag: 900
- Research Subject Categories
  - HUMANITIES and RELIGION
  - LAW/JURISPRUDENCE
  - SOCIAL SCIENCES
  - MATHEMATICS
  - NATURAL SCIENCES
  - TECHNOLOGY
  - FORESTRY, AGRICULTURAL SCIENCES and LANDSCAPE PLANNING
  - MEDICINE
  - ODONTOLOGY
  - PHARMACY
  - VETERINARY MEDICINE
  - INTERDISCIPLINARY RESEARCH AREAS

Figure: Controlled Vocabularies - Search

### Files:

- `[dspace-source]/config/dspace.cfg`

### Perform the following steps:

- 1 Edit `[dspace-source]/config/dspace.cfg`
- 2 Set `webui.licence_bundle.show = true`
- 3 Perform the steps in [▶ Mere Configuration Changes](#).

[Your Repository Name >](#)  
[Top Level Community >](#)  
[Simple Collection >](#)

Please use this identifier to cite or link to this item: <http://hdl.handle.net/123456789/6>

**Title:** This is the title of an item  
**Authors:** [Doe, Jane](#)  
**Issue Date:** 26-Jan-2007  
**Abstract:** This is the abstract of an item.  
**URI:** <http://hdl.handle.net/123456789/6>  
**Appears in Collections:** [Simple Collection](#)

**Files in This Item:**

File	Description	Size	Format
<a href="#">DSpaceHowTo.pdf</a>		301Kb	Adobe PDF <a href="#">View/Open</a>

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[View License](#)

Display of license link

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Figure: Default Item Display with License Display enabled

In addition to the DSpace License you may enable the use of the Creative Commons License.

### Files:

- `[dspace-source]/config/dspace.cfg`


### Perform the following steps:

- 1 Edit `[dspace-source]/config/dspace.cfg`
- 2 Set `webui.submit.enable-cc = true`
- 3 Perform the steps in [▶ Mere Configuration Changes](#).

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**Allow commercial uses of your work? ([more info](#))**

Yes  
 No

**Allow modifications of your work? ([more info](#))**

Yes  
 Yes, as long as others share alike ([more info](#))  
 No

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Creative Commons does not provide legal advice or services. We provide form legal documents; the rest is up to you.

◀ Previous Skip Creative Commons ▶ Cancel/Save

Figure: Creative Commons License in Submission

You may enable the use of RSS feeds.

### Files

- `[dspace-source]/config/dspace.cfg`

Perform the following steps:

- 1 Edit `[dspace-source]/config/dspace.cfg`
- 2 Set `webui.feed.enable = true`
- 3 Perform the steps in [▶ Mere Configuration Changes](#).

You may further configure the RSS feeds by changing one of these properties:

- number of DSpace items per feed  
`webui.feed.items = 4`
- maximum number of feeds in memory cache  
`webui.feed.cache.size = 100`
- number of hours to keep cached feeds before checking currency  
`webui.feed.cache.age = 48`
- which syndication formats to offer  
`webui.feed.formats = rss_1.0,rss_2.0`
- Set to true to use local server URLs instead of Handle)  
`webui.feed.localresolve = false`
- feed information for each item  
`webui.feed.item.title = dc.title`  
`webui.feed.item.date = dc.date.issued`
- metadata fields to show in the feed  
`webui.feed.item.description = \  
dc.title, dc.contributor.author`

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### RSS Feeds



Link for RSS Feed Reader, e.g.  
`[YourURL]/feed/rss_1.0/site`

Figure: Link to RSS Feed



You may enable the display of the number of items appearing in a collection.

### Files:

- `[dspace-source]/config/dspace.cfg`

### Perform the following steps:

- 1 Edit `[dspace-source]/config/dspace.cfg`
- 2 Set `webui.strengths.show = true`
- 3 Perform the steps in [Mere Configuration Changes](#).

### Note:

At the moment this feature might lead to scalability problems with large repositories.

### Search DSpace

### Advanced Search

→ [Home](#)

### Browse

→ [Communities  
& Collections](#)

→ [Titles](#)

→ [Authors](#)

[Your Repository Name](#) >

## Communities and Collections

Shown below is a list of communities and the collections and sub-communities with

- **Top Level Community**
  - [Another simple collection](#) [0]
  - [Simple Collection](#) [1]

Strength Display  
Items per  
Collection

Figure: Strength Display

You may give a user the possibility to recommend an item to someone else.

### Files:

- `[dspace-source]/config/dspace.cfg`

### Perform the following steps:

- ① Edit `[dspace-source]/config/dspace.cfg`
- ② Set `webui.suggest.enable = true`
- ③ Change the following properties if necessary:
  - ① `webui.suggest.sender = A DSpace user`
  - ② `webui.suggest.recipient = colleague`

These text elements are used if the user who suggests an item is not logged in.

- ④ Perform the steps in [More Configuration Changes](#).

### Note:

`webui.suggest.sender = A DSpace user` and  
`webui.suggest.recipient = colleague`  
are not i18n.

Please use this identifier to cite or link to this item: <http://hdl.handle.net/123456789/6>

**Title:** This is the title of an item

**Authors:** [Doe, Jane](#)

**Issue Date:** 26-Jan-2007

**Abstract:** This is the abstract of an item.

**URI:** <http://hdl.handle.net/123456789/6>

**Appears in Collections:** [Simple Collection](#)

#### Files in This Item:

File	Description	Size	Format
<a href="#">DSpaceHowTo.pdf</a>		301Kb	Adobe PDF <a href="#">View/Open</a>

[Show full item record](#)

[Recommend this item](#)

[Link to Suggest Item Form](#)

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Figure: Item with "Suggest Item" Link

**Recommended Item: This is the title of an item**

To recommend this item to someone, complete the form below. Fields marked with a '\*' are required.

**Name of recipient:**

**E-mail of recipient\*:**

**Your name:**

**Your e-mail address:**

**Personal message:**

Figure: Suggest Item Form

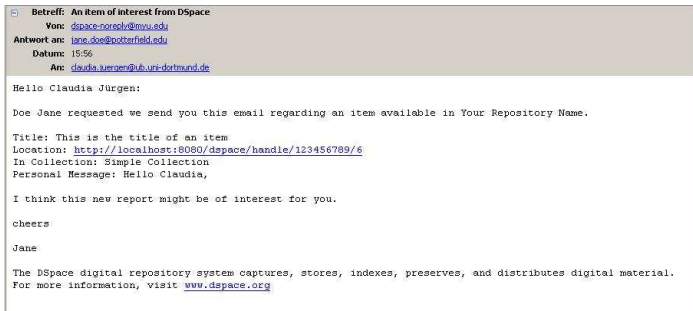


Figure: Suggest Item Email

## Files

- `[dspace-source]/config/dspace.cfg`
- `[dspace-source]/jsp/local/search/advanced.jsp`
- `[dspace-source]/config/language-packs/Messages.properties`

### Perform the following steps:

❶ Edit `[dspace-source]/config/dspace.cfg`

❷ Set/Change a search index

```
search.index.1 = author:dc.contributor.*
search.index.2 = affiliation:myschema.creator.affiliation
search.index.[number] =
[name]:[metadataschema].[element].[qualifier]
```

❸ It might be necessary to change

`[dspace-source]/jsp/local/search/advanced.jsp` In order to use new/changed indices in the advanced search, e.g.:

```
<select name="field1" id="tfield1">
<option value="affiliation" <%= field1.equals("affiliation") ? "selected" : "" >
    <fmt:message key="jsp.search.advanced.type.affiliation"/>
</option>
</select>
```

You must perform this change for `field2` and `field3`.

❹ Please check that the tags needed are in

`[dspace-source]/config/language-packs/Messages.properties`, e.g.:

```
jsp.search.advanced.type.affiliation
```

❺ Perform the steps in [Rebuild](#).

❻ Perform the steps in [Re-Index](#).



### Files:

- `[dspace-source]/config/dspace.cfg`

### Perform the following steps:

- 1 Edit `[dspace-source]/config/dspace.cfg`
- 2 Set `search.operator = OR`  
or Set `search.operator = AND`
- 3 Perform the steps in [Mere Configuration Changes](#).

**Note:** The default setting is "'OR'".

The default field size indexed by Lucene is 10,000 terms. This might not be enough for the complete text extraction of large documents.

### Files:

- `[dspace-source]/config/dspace.cfg`
- `[dspace-source]/bin/dsrun`

### Perform the following steps

- 1 Edit `[dspace-source]/config/dspace.cfg`
- 2 Adjust `search.maxfieldlength = n`  
 $n \in \mathbb{N} \vee n = -1$   
-1 is interpreted as  $\infty$
- 3 if you choose `n=-1` you will probably need to adjust your `[dspace-source]/bin/dsrun|`
- 4 Edit `[dspace-source]/bin/dsrun|`
- 5 Change the Java option `-Xmx` :  
`java -Xmx256m -classpath $FULLPATH "$@"` e.g.  
`java -Xmx1024m -classpath $FULLPATH "$@"`
- 6 Perform the steps in [Mere Configuration Changes](#).

You may configure which metadata fields to use for the browse index. This is the default setting is:

```
webui.browse.index.date = dc.date.issued  
webui.browse.index.author = dc.contributor.*  
webui.browse.index.title = dc.title  
webui.browse.index.subject = dc.subject.*
```

## Files:

- `[dspace-source]/config/dspace.cfg`

### Perform the following steps:

- 1 Edit `[dspace-source]/config/dspace.cfg`
- 2 Change the index-field settings:  
`webui.browse.index.[name] =`  
`schema.element.qualifier, schema.element.* e.g.:`  
`webui.browse.index.title =`  
`dc.title, dc.title.alternative oder`  
`webui.browse.index.title = dc.title.*`
- 3 Perform the steps in [▶ Rebuild](#).
- 4 Perform the steps in [▶ Re-Index](#).

### Files:

- `[dspace-source]/config/dspace.cfg`

### Perform the following steps:

- 1 Edit `[dspace-source]/config/dspace.cfg`
- 2 Change, if necessary:  
maximum width and height of generated thumbnails  
`thumbnail.maxwidth = 80`  
`thumbnail.maxheight = 80`  
whether to display thumbnails on browse and search result pages  
`webui.browse.thumbnail.show = false`  
whether to display the thumb against each bitstream  
`webui.item.thumbnail.show = true`  
thumbnail link behaviour  
`webui.browse.thumbnail.linkbehaviour = item` or  
`webui.browse.thumbnail.linkbehaviour = bitstream`
- 3 Perform the steps in [Rebuild](#).
- 4 Run `[dspace]/bin/filter-media`.
- 5 If necessary (filter-media run with `-n`)
- 6 Perform the steps in [Re-Index](#).

You may define the item display per collection. If no display is defined the default item display is used. The default item display is configurable, too.

### Files:

- `[dspace-source]/config/dspace.cfg`
- `[dspace-source]/config/language-packs/Messages.properties`

[Your Repository Name >](#)  
[Top Level Community >](#)  
[Simple Collection >](#)

Please use this identifier to cite or link to this item: <http://hdl.handle.net/123456789/6> [Edit...](#)

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[Show full item record](#)

[Recommend this item](#)

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Figure: Default Item Display

### Perform the following steps:

- 1 Edit `[dspace-source]/config/dspace.cfg`
- 2 Edit or create a display style:  
`webui.itemdisplay.<style> =  
schema.element, schema.element.qualifier, schema.element.*`  
e.g.:  
`webui.itemdisplay.thesis =  
dc.creator, dc.contributor.referee, dc.contributor.advisor,`
- 3 Edit `[dspace-source]/config/language-packs/Messages.properties`  
Check whether all the tags are present.
- 4 Map a style to a collection  
`webui.itemdisplay.<style>.collections =  
<collection handle>, ... e.g.:  
webui.itemdisplay.thesis.collections =  
123456789/2, 123456789/3`
- 5 Perform the steps in [Rebuild](#).



You may adjust the metadata fields display in item lists.

### Files:

- `[dspace-source]/config/dspace.cfg`
- `[dspace-source]/config/language-packs/Messages.properties`

### Perform the following steps:

- 1 Edit `[dspace-source]/config/dspace.cfg`
- 2 Change `webui.itemlist.columns = dc.date.issued(date), dc.title, dc.contributor.*`
- 3 Perform the steps in [Rebuild](#).

# Item Lists

## Example - Search Results

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- Customization

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Text

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### Item hits:

Issue Date	Title	Author(s)
11-Aug-2003	<a href="#">Entwurf und Analyse effizienter Algorithmen</a>	-
16-Oct-2000	<a href="#">Theoretische Analyse evolutionärer Algorithmen unter dem Aspekt der Optimierung in diskreten Suchräumen</a>	Jansen, Thomas
7-Dec-2000	<a href="#">Zu Analyse und Entwurf evolutionärer Algorithmen</a>	Droste, Stefan
14-Dec-2004	<a href="#">Über die Analyse randomisierter Suchheuristiken und den Entwurf spezialisierter Algorithmen im Bereich der kombinatorischen Optimierung</a>	Wegener, Ingo; Witt, Carsten; Vöcking, Berthold
23-Aug-2000	<a href="#">Ein einheitliches Modell für Populationsstrukturen in Evolutionären Algorithmen</a>	Sprave, Joachim
2-Mar-2004	<a href="#">Evolutionäre Algorithmen zwischen experimenteller und theoretischer Analyse</a>	Jansen, Thomas; Wegener, Ingo; Briest, Patrick; Brockhoff, Dimo; Degener, Bastian; Englert, Matthias; Freitag, Sebastian; Gerendt, Joern; Gunia, Christian; Heering, Oliver; Heß, Manuel; Leifhelm, Michael; Plociennik, Kai; Projektgruppe 427; Röglin, Heiko; Schweer, Andrea; Sudholt, Dirk; Tannenbaum, Stefan
7-Dec-2006	<a href="#">Algorithmik und Komplexität QBDD-repräsentierter Graphen</a>	Wegener, Ingo; Sawitzki, Daniel; Sauerhoff, Martin
16-Oct-2001	<a href="#">Vergleich zwischen klassischen und verschachtelten Evolutionsstrategien am Beispiel einer nichtlinearen Regression an Oberflächenspannungen in IRE2</a>	Bräuer, P.; Geyer, H.; Schulz, S.; Ulbig, P.
11-Mar-2005	<a href="#">Über die Vermeidung redundanter Betrachtungen beim Approximate String Matching</a>	Banzhaf, Wolfgang; Richter, Christoph Jan; Padawik, Peter

1 2 3 4 5 6 7 8 9 10 next

Figure: A List of Search Results

### Files:

- `[dspace-source]/config/language-packs/Messages.properties`

### Perform the following steps:

- 1 Edit `[dspace-source]/config/language-packs/Messages.properties`
- 2 Change, e.g.:  
`jsp.general.mydspace = My DSpace to`  
`jsp.general.mydspace = My YourRepositoryName`
- 3 Perform the steps in [▶ Rebuild](#).

### Please Note That:

The key-value-pairs must be on one line. Be carefull with autowrapping editors.

### Files:

- `[dspace-source]/config/language-packs/Messages.properties`
- `[dspace-source]/jsp/local/<file.jsp>`

### Perform the following steps:

- 1 Edit `[dspace-source]/config/language-packs/Messages.properties`  
Add a new tag e.g.:  
`jsp.layout.footer-default.impressum = Impressum`  
The tag name `jsp.layout.footer-default` refers to the path of the jsp  
There is no distinction between  
`[dspace-source/jsp]` and  
`[dspace-source]/jsp/local`
- 2 Edit `[dspace-source]/jsp/layout/footer-default.jsp`
- 3 Perform the steps in [▶ Rebuild](#).

You may provide the *Messages.properties* in multiple languages. The language used is determined by the clients browser settings. An overview of translations can be found at the DSpace Wiki. The language-packs are available at Sourceforge.

### Files:

- `[dspace-source]/config/language-packs/Messages_<locale>.properties`

### Perform the following steps

- 1 Copy the addition property file *Messages\_<locale>.properties* to `[dspace-source]/config/language-packs/`
- 2 Perform the steps in [▶ Rebuild](#).

### Note:

Not all the textual elements used by DSpace reside in the *Messages.properties*. Furthermore at the moment DSpace is not yet completely internationalized.

For emails sent by DSpace there are a number of templates.

### Files:

- `[dspace-source]/config/emails/change_password`
- `[dspace-source]/config/emails/feedback`
- `[dspace-source]/config/emails/internal_error`
- `[dspace-source]/config/emails/register`
- `[dspace-source]/config/emails/submit_archive`
- `[dspace-source]/config/emails/submit_reject`
- `[dspace-source]/config/emails/submit_task`
- `[dspace-source]/config/emails/subscription`
- `[dspace-source]/config/emails/suggest`

### Note:

At the moment these template are not i18n.

### Perform the following steps:

- 1 Edit a template file
- 2 Perform the steps in [► Mere Configuration Changes](#).

### Note:

Check all the template files, because they contain some dummy information which must be changed to your settings like contact information.

### The Forgotten Password Template

*[dspace-source]/config/emails/change\_password]*

```
# Email sent to DSpace users when they forget their password.
```

```
#
```

```
# Parameters: {0} is expanded to a special URL
```

```
#
```

```
# See org.dspace.core.Email for information on the format of this f
```

```
#
```

```
Subject: Change Password Request
```

```
To change the password for your DSpace account, please click the li  
below:
```

```
{0}
```

```
If you need assistance with your account, please email  
dspace-help@myu.edu or call us at xxx-555-xxxx.
```

```
The DSpace Team
```



Details for *input-forms.xml* configuration are presented in section

▶ [input-forms](#).

### Files:

- `[dspace-source]/config/input-forms.xml`

### Perform the following steps:

- 1 Edit `[dspace-source]/config/input-forms.xml`
- 2 Perform the steps in [▶ Mere Configuration Changes](#).

### Note:

The *input-forms.xml* is not yet i18n.

### Files:

- `[dspace-source]/jsp/local/help/collection-admin.html`
- `[dspace-source]/jsp/local/help/formats.jsp`
- `[dspace-source]/jsp/local/help/index.html`
- `[dspace-source]/jsp/local/help/site-admin.html`

### Perform the following steps:

- 1 Edit one of these files
- 2 Perform the steps in [▶ Rebuild](#).

During submission a license agreement must be accepted by the submitter. This license is will become part of the item.

DSpace comes shipped with a Demo-License. You **MUST** adapt this license to:

- consider the law of your country
- to meet your the needs of your IR

## Perform the following steps:

- 1 Log in as Admin to your DSpace instance
- 2 Go to *[YourURL]/dspace-admin* and choose "Edit Default License" in the navigation bar
- 3 Edit the License and "Submit".

Alternatively you may edit *[dspace-source]/config/default.license* directly and perform the steps in [Rebuild](#).

### Note:

The License is not i18n.



The screenshot shows the DSpace Administration UI for the Default License Editor. The page has a blue header with the DSpace logo and a link to 'About DSpace Software'. A left sidebar contains a navigation menu with items like 'Communities/Collections', 'E-people', 'Groups', 'Items', 'Metadata Registry', 'Bitstream Format Registry', 'Workflow', 'Authorization', 'Edit News', 'Edit Default License' (which is selected), 'Supervisors', 'Statistics', 'Help', and 'Log Out'. The main content area is titled 'Default License Editor' and contains the following text:

Your Repository Name >  
Administer >

### Default License Editor

Edit the default license by using the text box below. The license cannot be empty. Please ensure the license meets the legal conditions of your country. Changing this license will not affect those items already published and collections with their own licenses.

**NOTE: PLACE YOUR OWN LICENSE HERE**  
This sample license is provided for informational purposes only.

**NON-EXCLUSIVE DISTRIBUTION LICENSE**

By signing and submitting this license, you (the author(s) or copyright owner) grants to DSpace University (DSU) the non-exclusive right to reproduce, translate (as defined below), and/or distribute your submission (including the abstract) worldwide in print and electronic format and in any medium, including but not limited to audio or video.

You agree that DSU may, without changing the content, translate the

Save Cancel

At the bottom of the page, there is a 'W3C XHTML 1.0' logo and a copyright notice: 'DSpace Software Copyright © 2002-2007 MIT and Hewlett-Packard - Feedback'.

Figure: Administrations UI - License Editor

You may assign an individual license to a collection.

### Perform the following steps:

- 1 Log in as Admin to your DSpace instance
- 2 Navigate to the collection
- 3 Use the "Edit"-Button in Admin Tools
- 4 Edit the field "License"
- 5 Click on "Update" to activate changes

### Perform the following steps:

- 1 Log in as Admin to your DSpace instance
- 2 Go to *[YourURL]/dspace-admin* and choose "Edit News"
- 3 Select "top" or "side"
- 4 Change the text
- 5 Use "Save" to save the changes



The screenshot shows the DSpace administration interface. At the top left is the DSpace logo with the text "About DSpace Software". A navigation menu on the left lists various administrative functions, with "Edit News" highlighted. The main content area is titled "News Editor" and contains instructions: "Add or edit text in the box below to have it appear in the top box of the DSpace home page." and "You may format the text using HTML tags, but please note that the HTML will not be validated here." Below this is a text input box containing the HTML code: `<h3>DSpace is Live</h3><p>Welcome to our digital repository of My University research!</p><p>More exciting news to appear here.</p>`. To the right of the input box is the label "News:". At the bottom of the input box are "Save" and "Cancel" buttons. At the bottom of the page, there is a "W3C XHTML 1.0" logo and a copyright notice: "DSpace Software Copyright © 2002-2007 MIT and Hewlett-Packard - Feedback".

Figure: The News Editor





**DSpace™** [About DSpace Software](#) [Top News](#) [Side News](#)

**Search DSpace**  
   
[Advanced Search](#)  
[Home](#)

**Browse**  
[Communities & Collections](#)  
[Titles](#)  
[Authors](#)  
[Subjects](#)  
[By Date](#)

**Sign on to:**  
[Receive email updates](#)  
[My DSpace](#) authorized users  
[Edit Profile](#)  
[Help](#)  
[About DSpace](#)

**DSpace is Live**  
 Welcome to our digital repository of My University research!  
 More exciting news to appear here.

**Search**  
 Enter some text in the box below to search DSpace.

**Communities in DSpace**  
 Choose a community to browse its collections.  
[Top Level Community \(1\)](#)

**This is a default installation of DSpace!**  
 It can be extensively configured by installing modified JSPs, and altering the site configuration.  
**RSS Feeds**  
[DSpace](#) [DSpace](#)


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Figure: The Display of the News

The basic elements of most DSpace pages are:

- header
- footer
- navigation bar
- location bar

The most commonly changed JSP's are:

- `[dspace-source]/jsp/local/layout/footer-default.jsp`
- `[dspace-source]/jsp/local/layout/header-default.jsp`
- `[dspace-source]/jsp/local/layout/navbar-default.jsp`
- `[dspace-source]/jsp/local/styles.css.jsp`

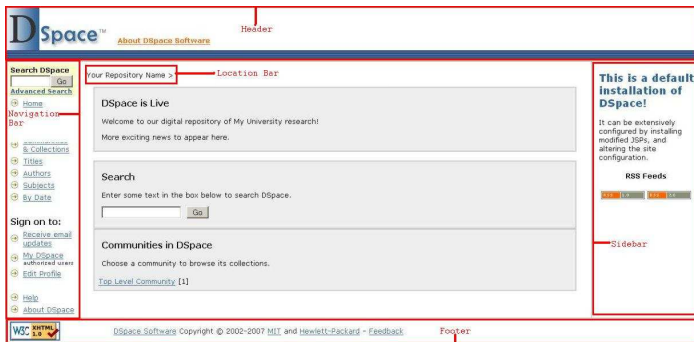


Figure: Elements of a Page

Most of the layout changes are done via the layout tag  
<dspace:layout ...>.

This tag can have the following attributes:

- locbar
- navbar
- style

locbar determines whether and how the location bar is used.

The default setting is `locbar="commLink"::`

- `locbar="off"`  
turns the location bar off
- `locbar="noLink"`  
turns the location bar on  
behaviour: no links to parents
- `locbar="commLink"`  
turns the location bar on  
behaviour: links to parents

navbar determines whether and which navigation bar to use.

- `navbar="off"`

turns the navigation bar of

- `navbar="<name>"` turns it on, where

`jsp/layout/navbar-<name>.jsp` e.g.:

```
<dSPACE:layout navbar="admin" titlekey="jsp.administer">
```

determines which bar to use.

style determines which header and footer is used, e.g.:  
style="myStyle" leads to

- jsp/layout/header-myStyle.jsp
- jsp/layout/footer-myStyle.jsp

being used. If the attribute is omitted the default will be used.



Figure: DSpace Home with Location Bar



As most IR's use the header to display the name of the IR, you don't want the location bar to display this redundant information. In order to turn it off:

Change `[dspace-source]/jsp/local/home.jsp`

```
<dspace:layout locbar="noLink" ...
```

to

```
<dspace:layout locbar="off" ...
```

and perform the steps in [▶ Rebuild](#).



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Figure: DSpace Home Without Location Bar

The forms used during a submission of an item via the UI are created based on `[dspace-source]/config/input-forms.xml`.

Detailed information can be found in `[dspace]/docs/submission.html`.

The `input-forms.xml` consists of the top level element `<input-forms>` which contains 3 elements::

- `<form-map>` Mapping defined forms to collections
- `<form-definitions>` Definition of single forms
- `<form-value-pairs>` Definition of selection lists

Describe Describe Describe Upload Verify License Complete

### Submit: Describe this Item

Please fill in the requested information about this submission below. In most browsers, you can use the tab key to move the cursor to the next input box or button, to save you having to use the mouse each time. ([More Help...](#))

Enter the names of the authors of this item below.  
Last name                      First name(s) + "Jr"  
 e.g. *Smith*                              e.g. *Donald Jr*

Authors

Enter the main title of the item.

Title

Enter the series and number assigned to this item by your community.  
Series Name                      Report or Paper No.

Series/Report No.

If the item has any identification numbers or codes associated with it, please enter the types and the actual numbers or codes below.

Identifiers

Select the type(s) of content of the item. To select more than one value in the list, you may have to hold down the "CTRL" or "Shift" key.

Type

Select the language of the main content of the item. If the language does not appear in the list below, please select 'Other'. If the content does not really have a language (for example, if it is a dataset or an image) please select 'N/A'.

Language

Figure: The Default Submission Form - Page 1

### Basic structure of input-forms.xml

```
<input-forms>
  <!-- Map of Collections to Form Sets -->
  <form-map>
    <name-map collection-handle="default" form-name="traditional" />
    ...
  </form-map>

  <!-- Form Set Definitions -->
  <form-definitions>
    <form name="traditional">
      ...
    </form>
  </form-definitions>

  <!-- Name/Value Pairs used within Multiple Choice Widgets -->
  <form-value-pairs>
    <value-pairs value-pairs-name="common_iso_languages" dc-term="language_iso">
      ...
    </form-value-pairs>
</input-forms>
```

A form is created with `<form></form>`.

Each form has the attribute *name*, e.g.:

```
<form name="myForm">
```

This name is used to map a form to a collection.

A form may consist of up to 3 elements:

```
<page></page>
```

which may consist of fields.

```
<field></field>
```

A page must have the attribute `number="n"`  $n := \{1, 2, 3\}$ .

A `<field>` consists of:

- `<dc-schema></dc-schema>` mandatory  
metadata schema name
- `<dc-element></dc-element>` mandatory metadata element
- `<dc-qualifier></dc-qualifier>`  
metadata qualifier
- `<repeatable></repeatable >`  
Values: true or false  
Marks a field as repeatable.
- `<label ></label >` mandatory  
Label used in UI
- `<input-type ></input-type >` mandatory  
Type of input field
- `<hint></hint>` mandatory  
Hint used in UI
- `<required></required >`  
If this field contains any text, the field is marked as mandatory.
- `<visibility></visibility>`  
Visibility during Workflow and Submission
  - workflow  
Only visible in workflow
  - submit  
Only visible during submission

### The input-type:

- onebox  
Simple Onebox for short texts
- twobox  
A pair of Oneboxes
- textarea  
A textarea
- name  
A pair of textboxes for personal names
- date  
Date, at least a year must be given
- dropdown  
A selection list
- qualdrop-value  
A selection list combined with a onebox



Selection lists are defined in

```
<form-value-pairs></form-value-pairs>.
```

as

```
<value-pairs></value-pairs>. A
```

<value-pairs></value-pairs> has 2 attributes.

- 1 value-pairs-name, z.B.:  
value-pairs-name="common\_identifiers" used in:
- 2 dc-term, z. B.:  
dc-term="identifier"  
qualified name of the metadata element

A selection list

```
<value-pairs></value-pairs>
```

consist of key-value-pairs

```
<pair></pair>.
```

Each pair consists of 2 Elements

- `<displayed-value></displayed-value>`  
To be displayed in the UI
- `<stored-value></stored-value>`  
To be stored in the DB

### Within

```
<form-map></form-map>
```

forms are mapped to collections.

```
<name-map collection-handle="default" form-name="tradition
```

Each `<form-map></form-map>` has 2 attributes:

- 1 `collection-handle="collectionHandle"`  
or `"default"`
- 2 `form-name="formName"`  
as defined in  

```
<form name="myForm">
```