

DHConvalidator setup for ADHO supported conferences managed with ConfTool

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1. Installation of a new DHConvalidator instance

For ADHO supported conferences that are managed with ConfTool ADHO already offers a DHConvalidator service running on the [ADHO server](#).

For each conference a new DHConvalidator instance has to be installed at

```
/var/www/vhosts/adho.org/dhconvalidator/base/webapps
```

on that server.

Take the latest release from the [DHConvalidator release site](#) and unzip the release file into a new folder named dhconvalidator-[conference acronym and year], for example:

```
/var/www/vhosts/adho.org/dhconvalidator/base/webapps/dhconvalidator-dhd2016
```

Note the name of the folder you created as you will need it in section 2.

2. Obtaining a publishable URL for the new instance

Internally the new DHConvalidator instance is already reachable. To obtain a publishable web address that the DHConvalidator users can use to access the tool, you need to ask the administrator of the ADHO server to setup a new web domain that points to the internal address.

For example let's say in section 1 you created a folder named

```
dhconvalidator-dhd2016
```

Then the administrator of the ADHO server should create a publishable URL

```
http://www.adho.org/dhconvalidator-dhd2016
```

that points to the internal URL

```
http://www.digitalhumanities.org:8181/dhconvalidator-dhd2016
```

Note the publishable URL as you will need it in section 3 for the configuration of the new DHConvalidator instance.

3. Configuration of a new DHConvalidator instance

In the folder you created in section 1 copy the file dhconvalidator.properties.example to dhconvalidator.properties. Use this file dhconvalidator.properties to make the following configurations. You need to restart the DHConvalidator for the changes to take effect, see section 4.

3.1. Base URL setting (mandatory)

Set the property `base_url` to the publishable URL you obtained in section 2 for example:

```
base_url=http://www.adho.org/dhconvalidator-dhd2016
```

3.2. ConfTool settings (mandatory)

The DHConvalidator requires the setting of three properties to communicate with ConfTool: `conftool_shared_pass`, `conftool_rest_url` and `conftool_login_url`.

During setup of the ConfTool REST interface you should have collected the values for these three properties:

- `conftool_shared_pass` – REST interface password
- `conftool_rest_url` – The URL of the REST interface
- `conftool_login_url` – The URL of the login page of the ConfTool instance.

3.3. Publisher settings (mandatory)

The property `publicationStmt` controls the publication statement of the TEI files. The value of this property is usually provided by the local organizers of the conference or the publishers of the Book Of Abstracts. For example the value for the DH 2015 in Sidney is:

```
<publicationStmt xmlns="http://www.tei-c.org/ns/1.0">  
  <publisher>Paul Arthur, University of Western Sidney</publisher>  
  <address>  
    <addrLine>Locked Bag 1797</addrLine>  
    <addrLine>Penrith NSW 2751</addrLine>  
    <addrLine>Australia</addrLine>  
    <addrLine>Paul Arthur</addrLine>  
  </address>  
</publicationStmt>
```

In contrary to the example above do not use line breaks in the property file!

3.4. Image requirements validation settings (optional)

The DHConvalidator can enforce a minimum resolution for embedded images. The default is 200x200 pixels:

```
image_min_resolution_width=200  
image_min_resolution_height=200
```

Currently the DHConvalidator does not support the TIFF image format. See section 7.

4. Starting and stopping the new DHConvalidator instance

Start the DHConvalidator service with

```
/etc/init.d/dhconvalidator-jetty start
```

Stop the DHConvalidator service with

```
/etc/init.d/dhconvalidator-jetty stop
```

5. Integration of the DHConvalidator (optional)

The DHConvalidator should now already be accessible via the domain provided by the ADHO server admin (see section 1). However the Login Box of the DHConvalidator can also be embedded into the hosting conference site via an iframe:

```
<iframe src="http://www.adho.org/dhconvalidator-dhd2016/" height="230"
        width="250" frameborder="0"></iframe>
```

6. Publishing the TEI files on the web

The DHConvalidator produces a .dhc file that contains

1. the submission in TEI/XML format,
2. the submission in HTML format,
3. and embedded media such as images.

The .dhc file is a ZIP encoded file which can be unpacked with the usual tools such as unzip or 7Zip. The submission in HTML format already provides a web publishable file. All the .dhc files unzipped in one folder are therefore already publishable as static web content. Each HTML file contains a link on its corresponding TEI/XML file. As a last step all that is needed is an index file that lists links to all the HTML files. One possibility would be to export the schedule from ConfTool with links to the uploaded (.dhc) files and use that as an index file.

Steps:

1. Unzip all .dhc file into one folder.
2. Export the schedule as a single HTML file with embedded links to the uploaded files from ConfTool and put that file into the same folder.
3. Search and replace all .dhc file endings in the schedule file with .html file endings.
4. Copy the folder to a web folder and serve it as static content.

This is of course only one possibility to publish the Book Of Abstracts as HTML and TEI/XML.

7. Known Issues

You'll find known issues [here](#).