

Updating the Lenya Website

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1. Prerequisites

Before you try to update the Lenya website, make sure you meet the following requirements:

- You have [Apache Forrest](http://forrest.apache.org/) (http://forrest.apache.org/) installed on your machine (v 0.8-dev). This means you have your environment set up in a way that you can call `forrest` in any directory.
- You have enabled [Apache Forrest](http://forrest.apache.org/) (http://forrest.apache.org) to handle all image types natively. (see [note](http://forrest.apache.org/docs_0_80/faq.html#pdf_images) (http://forrest.apache.org/docs_0_80/faq.html#pdf_images))
- You are an active Lenya committer with write access to SVN.
- Your subversion is configured correctly (see [note](http://www.apache.org/dev/version-control.html#https-svn) (http://www.apache.org/dev/version-control.html#https-svn))

If you are not a committer but like to contribute to the documentation, you're most welcome as well. If you want to make additions or corrections to the lenya documentation/website, please keep on reading.

Instead of committing please make an `svn diff` of `lenya.docu` (see above) and contribute the patch via our [bug tracker](http://issues.apache.org/bugzilla/enter_bug.cgi?reporter=&product=Lenya&version=Current+CVS&component=core&rep_pla) (http://issues.apache.org/bugzilla/enter_bug.cgi?reporter=&product=Lenya&version=Current+CVS&component=core&rep_pla). Let us know about it on the developer's mailing list. A committer will happily pick your patch up from the bug tracker and apply it.

2. First time checkout

You will have to do this only the first time when doing the website.

- `svn co https://svn.apache.org/repos/asf/lenya/docu/ lenya.docu`
`lenya.docu->`This is our documentation and website source tree. Here you will edit the site.
- `svn co https://svn.apache.org/repos/asf/lenya/site/ lenya.apache.org`
`lenya.apache.org->`This is our website live tree. Here you will have to copy the build of `lenya.docu`.

3. Generating changes based on svn

The multiple changes files can be directly generated from the SVN commit logs with the following procedure:

- `run svn log -v -r $LAST:HEAD --xml http://svn.apache.org/repos/asf/lenya > src/documentation/content/svn-log/tlp-HEAD.svn.xml` in the root of the docu branch. Where `$LAST` is the revision number of the last commit from the last month.
- Each month somebody need to create a new log file for the last month and link it to the changes section. Do `forrest run`

You can find out the first and last revision (till it was updated) of the current HEAD by requesting <http://localhost:8888/tlp-HEAD.svn-revision.xml> (./tlp-HEAD.svn-revision.xml) numbers. If this file contains more then one month then you can request <http://localhost:8888/tlp-HEAD.svn-sh.xml> (./tlp-HEAD.svn-sh.xml) to generate shell commands, which you can execute in the `src/documentation/content/svn-log` dir (you need to edit them before execute).

4. Understanding the Apache infrastructure

The Website at `http://lenya.apache.org/` is a static site, which is served from the checkout dir `lenya.apache.org` on the server based on `http://svn.apache.org/repos/asf/lenya/site/` by an Apache httpd server.

The content of `lenya.apache.org` has to be generated by `forrest` based on the `lenya.docu`. This has to be done on your local machine because `forrest` is **not** installed on the server.

Copy the deployed files to your `lenya.apache.org`. Commit the changes in `lenya.apache.org`. A cron job updates the static files in `lenya.apache.org` of the server every 24 hours via a simple `svn up`.

5. Roundtrip website update

The typical roundtrip process to update the website has the following steps.

1) edit the documentation src -> lenya.docu

- `cd $lenya.docu; svn up` - change to your local checkout of the docu and update it.
- Follow "Generating changes based on svn"!
- Run `forrest` run locally on your machine. You can now browse the website at `http://localhost:8888/`.
- Edit the content using your favourite editor. Refer to the forrest documentation if necessary. Hit the Reload button in your browser and test your changes locally on your machine until they work the way you intended.

2) deploy and commit your changes to the documentation src -> lenya.docu

- Run `forrest` -> This will create the site in `lenya.docu/build/site` (Note that Forrest sometimes claims that the build failed, please see the `broken-links.xml`. Here you can find the pages that have errors and which pages refer to them.)
- Check in your changes (if you are a committer) `svn ci -m "my changes message"` or prepare a patch (if you aren't) `svn diff > patch.txt` of `lenya.docu`

3) copy deployed changes from the documentation src to the website checkout-> lenya.apache.org

- `cd $lenya.apache.org; svn up` - change to your local checkout of the website and update it.
- `cp -r $lenya.docu/build/site/* .` - copy the deployed site from step 2.
- Create and copy the Javadoc for both branches (build `javadocs`, Copy from `build/webapp/site/apidocs` to `lenya/site/apidocs/1.2` and `lenya/site/apidocs/1.4`)
- Commit your changes to `lenya.apache.org` `svn ci -m "my changes message"`.

6. Let forrestbot help you

If you are looking into a way to short the steps described in the [Roundtrip website update](#), then do the following (please still test your changes first).

Do once, create `$lenya.docu/deploy.svn.settings` file. These credentials are needed by forrestbot so that it can do your 'svn add' and 'svn commit' etc. to the `lenya/site/` repository. The `deploy.svn.settings` file looks like:

```
<?xml version="1.0"?>
<project>
  <property name="deploy.svn.user" value="myApacheUsername"/>
  <property name="deploy.svn.password" value="myPassword"/>
</project>
```

Generating and publishing the main docs is very easy using a local forrestbot:

```
cd $lenya.docu
forrest -f publish.xml build
forrest -f publish.xml deploy
```

This builds the documentation locally then deploys it by committing it to the [lenya/site SVN](#) (`https://svn.apache.org/repos/asf/lenya/site`) . Then a cronjob on the server will automatically publish it (see next section).

You can use a similar script we are using on the zones server in `$lenya.docu`.

```
#!/bin/sh
svn up
# the last revision number should be set automatic (first commit of this month)
LAST=418787
svn log -r $LAST:HEAD -v --xml http://svn.apache.org/repos/asf/lenya >
src/documentation/content/svn-log/tlp-HEAD.svn.xml
forrest -f publish.xml build
forrest -f publish.xml deploy
```

7. Update of the Apache httpd server on people.apache.org

There is a cron job on people which will do 'svn update' in the server lenya.apache.org dir every 24 hours (see /x1/home/thorsten/thorsten.ct). If you want to invoke the script manually then ...

```
ssh people.apache.org  
/x1/home/thorsten/bin/lenya-update.sh
```

Alternatively you can do the following (this is basicly what the script does).

```
ssh people.apache.org  
cd /www/lenya.apache.org  
umask 0002  
svn update
```