

Multiple OTs with Git

Managing dozens of OT configurations using git

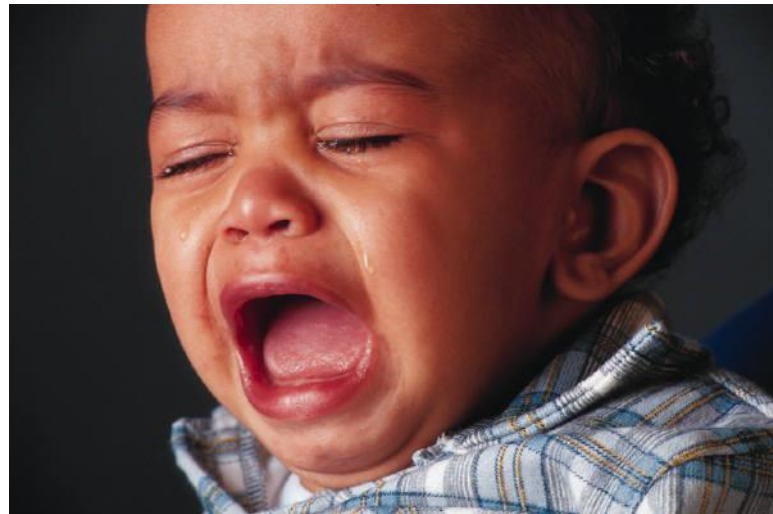
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Problem: Many OT Configurations

- Different OT versions
- Per-client OT configurations
- Experiments
- Projects
- Etc.



Solution: Make OT Directory a Git repo

```
$ cd ~/DITA-OT
```

```
$ git init
```

```
$ git add -A
```

```
$ git commit -m "Initial setup"
```

One value is single location for OT—don't have to modify oXygenXML or other tools that need to know where OT is.



One Branch Per Configuration

```
$ git checkout -b 1.8.5
$ git checkout master
$ git checkout -b 2.x
$ rm -Rf *
$ copy -r ../DITA-OT-2.2.1/*
$ git add -A .
$ git commit -m "2.2.1 version"
$ git checkout -b example.org
$ git branch
  1.8.5
  2.x
* example.org
  master
```



Be Sure to Include .jar Files

```
$ cat .gitignore  
!* .jar
```



Exclude Generated Files

```
$ cat .gitignore
```

```
!* .jar
```

```
build.xml
```

```
catalog-dita.xml
```

```
lib/org.dita.dost.platform/plugin.properties
```

```
plugins/org.dita.eclipsehelp/xsl/map2plugin.xsl
```

```
resource/messages.xml
```

```
xsl/preprocess/maplink.xsl
```

```
xsl/preprocess/mappull.xsl
```

```
xsl/preprocess/mapref.xsl
```



Create an "empty" branch

```
$ git checkout -b empty
$ rm -Rf *
$ git add -A
$ git commit -m "Empty branch"
$ git checkout 1.8.5
$ ant -f integrator.xml
$ git checkout -f empty
$ rm -Rf *
$ git checkout 2.x
```



Gotchas

- Not committing Jar files
 - On checkout of branch, PDF generation fails
 - *Check or override your default ignore settings*
- Committing generated files
 - Produces non-useful changes you have to ignore or manually remove
 - *List ignored files in .gitignore*
- Switching between branches after deploying new plugins
 - *Use the empty branch*



Questions?

