

EjbRepository

Why?

I wanted to use relational and object oriented techniques to manage content which I found impossible with the XML-File storage backend.

What does it require?

Lenya has to be run inside the JBoss application server to use the EJB Repository.

What does it do?

It is a reimplementaion of several Lenya interfaces including:

- AC stuff, [AccreditableManager](#), [PolicyManager](#) etc
- [RepositorySource](#)
- [SiteManager](#)
- [RevisionController](#)

How does it work?

The EJB code and the Lenya code run in seperate areas of JBoss, these two areas need to share a common jar of interfaces to speak to each other. To do this I made a 'common' directory under 'src' and moved interfaces from src/java and other places into the common directory.

The second directory I made was src/ejb, this holds all the Entity Beans, Stateful and Stateless beans.

I also made two lenya modules, one for the new AC backend, and the other for the content repository. These are modules/ejbac and modules/ejbsource

The new implementations contained in ejbac and ejbsource look up a stateless session bean which queries the database for the required entity bean and returns it. From there it's compatible with lenya's normal repository. (There are some exceptions to this, eg [RevisionControl](#) is done differently, I'll write more on that later).

My main repository node is a 'ContentNode' which has a 1-1 relationship with an [EjbContent]. At the moment there is only a simple 'BlobContent' which stored a byte[] in the database, basically like a file. You can implement an [EjbContent] in any way you like as long as it can generate XML. There is also alot of useful helpers in [AbstractContent], eg it allows you to embed content from other nodes.

How do I get it?

I'm adding patches and zips to bugzilla, see:

http://issues.apache.org/bugzilla/show_bug.cgi?id=40683