

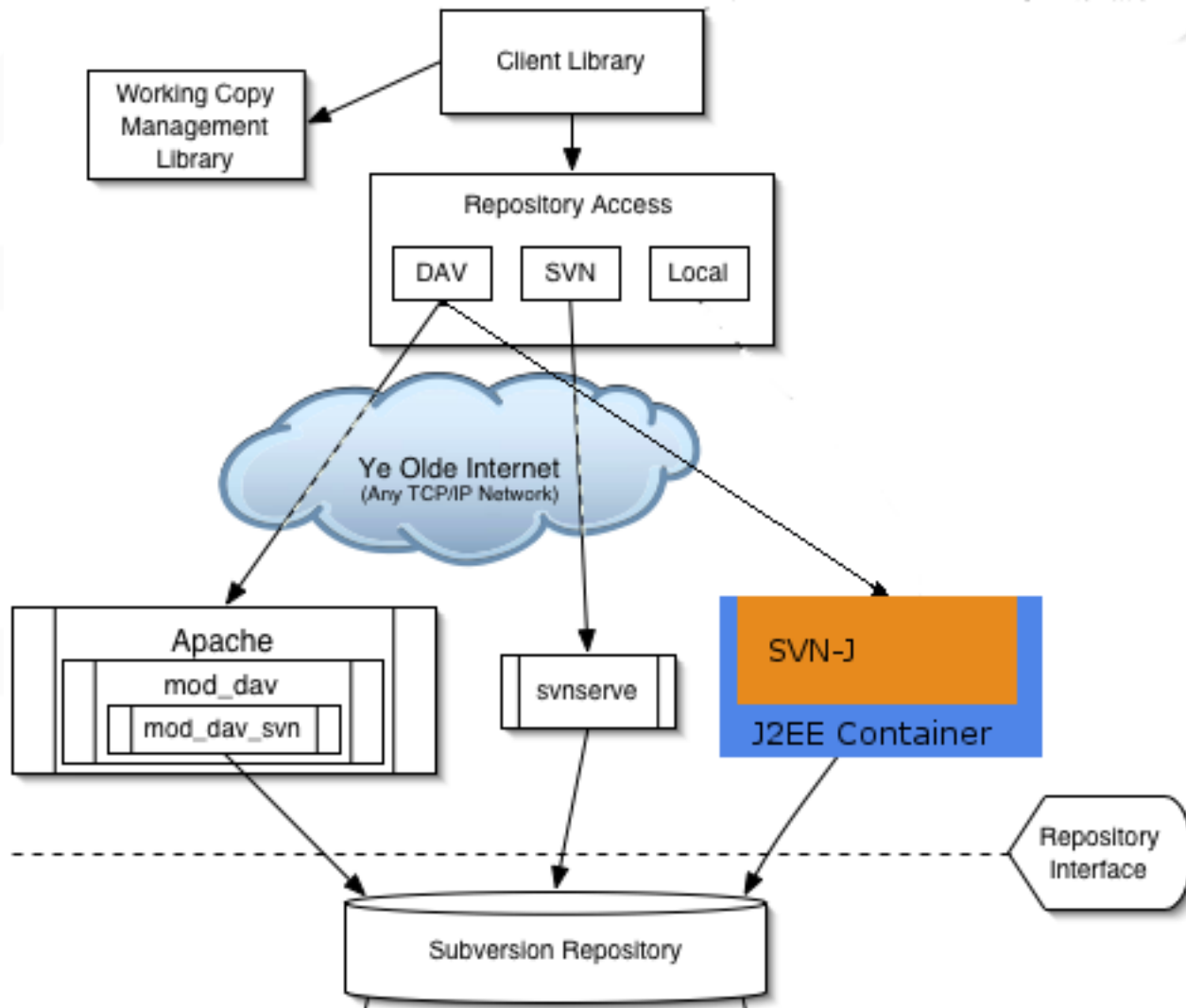


Server-side Java bindings for Subversion

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- ▶ Deploy as J2EE web app in Apache Tomcat
 - Instead of `mod_dav_svn` in `httpd`
- ▶ Bridge to C API's via JNI
 - Java Delta Editor (`svn_delta_editor_t`)
 - `libsvn_repos`
 - `libsvn_fs`
 - ...others as needed
- ▶ Re-use!



- ▶ Analogous to existing client bindings
 - Interesting client-based apps in java, python, ruby
 - Foundation for the same on the server
 - “Bug-for-bug” compatible with rest of SVN
- ▶ Server is where our customers want options
 - Options for SVN server deployment
 - Authorization
 - Replication !
 - Storage (?)

- ▶ **WANdisco's Goals**
 - Java on the server helps us
 - Options for SVN deployment
 - More SVN adoption helps us
- ▶ **Enhance our SVN / Multisite product**
 - Multisite is proxy-based, treats SVN/httpd as black box
 - Hard to maintain, synchronize with SVN releases
- ▶ **Gets us out of the Apache / httpd business**
 - Flexibility of Apache installs is blessing/curse

- ▶ Project Philosophy
- ▶ Stay in sync with core SVN development
- ▶ **Always** maintain compatibility
- ▶ Pragmatic
 - Features & API's driven by use cases
 - Minimal wheel re-invention

- ▶ Why Open Source?
 - Open more of SVN to java developers
 - Give back – we can, we want to
- ▶ Apache 2.0 / BSD – style License
 - Same spirit as the rest of Subversion project
- ▶ Friendly for commercial redistribution

▶ Status

- Pre-alpha
- J2EE web application
- java delta editor working
- Checkout / update operations working
- Checkin operations in progress
- HTTP-v2 at first; backward-compat. later
- Some automated tests



Availability – Get Involved!

- ▶ Availability - soon!
- ▶ Public repository, forum going live soon
- ▶ Feedback, participation is welcome!
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