ACE/TAO Development Process

Overview

- ACE/TAO Build Requirements
- ACE/TAO Build
- Source Control
- Workspaces
- Releases
- Other Information

Table 1: ACE/TAO Disk Space Requirements

<table>
<thead>
<tr>
<th>Platform</th>
<th>Complete Build, Mb</th>
<th>Minimal Build, Mb</th>
</tr>
</thead>
<tbody>
<tr>
<td>g++/Linux</td>
<td>450</td>
<td></td>
</tr>
<tr>
<td>cxx/DU 4.0</td>
<td>650</td>
<td></td>
</tr>
<tr>
<td>ghs/VxWorks</td>
<td>733</td>
<td>87</td>
</tr>
</tbody>
</table>

ACE/TAO Build

- ACE_ROOT environment variable
- TAO_ROOT environment variable, if not ACE_ROOT/TAO
- Insert ACE_ROOT/ace in LD_LIBRARY_PATH if using shared libraries (on Unix)
- Copy or symlink ace/config.h
- Unix: copy or symlink include/makeinclude/platform_macros.GNU
- MSVC++: build
- Unix: ACE_wrappers/bin/auto_compile helps manage multiple builds
ACE/TAO Build, continued

- One-button tests: 
  ACE_wrappers/tests/run_tests.{sh,bat,vxworks}
- Cross-compiling: same host setup, but replace TAO_ROOT/TAO_IDL/ with symlink (Unix) to host-executable TAO_IDL/
- For more information: 
  ACE_wrappers/ACE-INSTALL.html

Source Control

- CVS
- Host: tango.cs.wustl.edu
- Remote workspace updates can be done through CVSup. See http://www.cs.wustl.edu/~nanbor/CVSUP/
- For more information: 
  http://www.cs.wustl.edu/~levine/CVS.html

Workspaces

- CVS Source Control
- On Unix, clone/shadow/build trees for multiple hosts
- hard links: make clone
- symbolic links (preferred): bin/create_ace_build <build name>

Releases

- Major, Minor, Beta
- Releases are from Doug's workspace at: 
  http://www.cs.wustl.edu/~schmidt/ACE_wrappers
- For more information: 
  http://www.cs.wustl.edu/~schmidt/ACE-obtain.html
Other Information

- **ACE coding guidelines**: ACE_wrappers/etc/ACE-guidelines.html
- **Users mail list**: send `subscribe ace-users` to mail@majordomo@cs.wustl.edu
- **Newsgroup**: comp.soft-sys.ace
  - One-way gateway from mail list to newsgroup