

ACE/TAO Development Process

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<http://www.cs.wustl.edu/~levine/doc/development.ps.gz>

02 July 1998

Overview

- ACE/TAO Build Requirements
- ACE/TAO Build
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ACE/TAO Build Requirements

- Unix host: GNU make
- NT host: MSVC++ or Borland
- Both: perl (for some things), cvs

Table 1: ACE/TAO Disk Space Requirements

Platform	Complete Build, Mb	Minimal Build, Mb
g++/Linux	450	
cxx/DU 4.0	650	
ghs/VxWorks	733	87

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
cd \$ACE_ROOT; make
- MSVC++: build
- Unix: ACE_wrappers/bin/auto_compile helps manage multiple builds

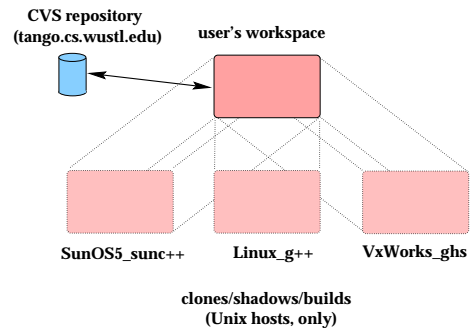
ACE/TAO Build, continued

- 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