Getting started with Eclipse Accessibility Tools Framework (ACTF)

1. What is ACTF?

The Accessibility Tools Framework (ACTF) is an incubation project that is a subproject of the Eclipse Technology Project.

ACTF is a framework that serves as an extensible infrastructure upon which developers can build a variety of utilities that help to evaluate and enhance the accessibility of applications and content for people with disabilities. A collection of example utilities will also be provided which were created on top of the framework such as compliance validation tools, assistive technology simulation applications, usability visualization tools, unit-testing utilities, and alternative accessible interfaces for applications. The ACTF componentry and the utilities will be integrated into a single tooling environment on top of the Eclipse framework. The framework components will function cooperatively with each other and with other Eclipse projects to provide a comprehensive development environment for creating accessible applications and content.

For more details about the ACTF project, please visit ACTF home page!

http://www.eclipse.org/actf

2. How to configure your development environment

2.1 System requirements

- ✓ Operating Systems
  Windows® XP or above
- ✓ Software
  - **Eclipse 3.6**
    http://www.eclipse.org/downloads
    (Eclipse Classic package is recommended)

  - **Java Runtime Environment (JRE) 5.0 or above**
    http://java.sun.com/javase/downloads/index_jdk5.jsp
    http://java.sun.com/javase/downloads/index.jsp
    (see http://www.eclipse.org/downloads/moreinfo/jre.php for more details)
  - Internet Explorer 6.0 or above
  - For Flash content access: Adobe® Flash Player, Version 8 or above
    http://www.adobe.com/go/getflashplayer
  - For OOo Editor: OpenOffice.org 3.0.1 or above
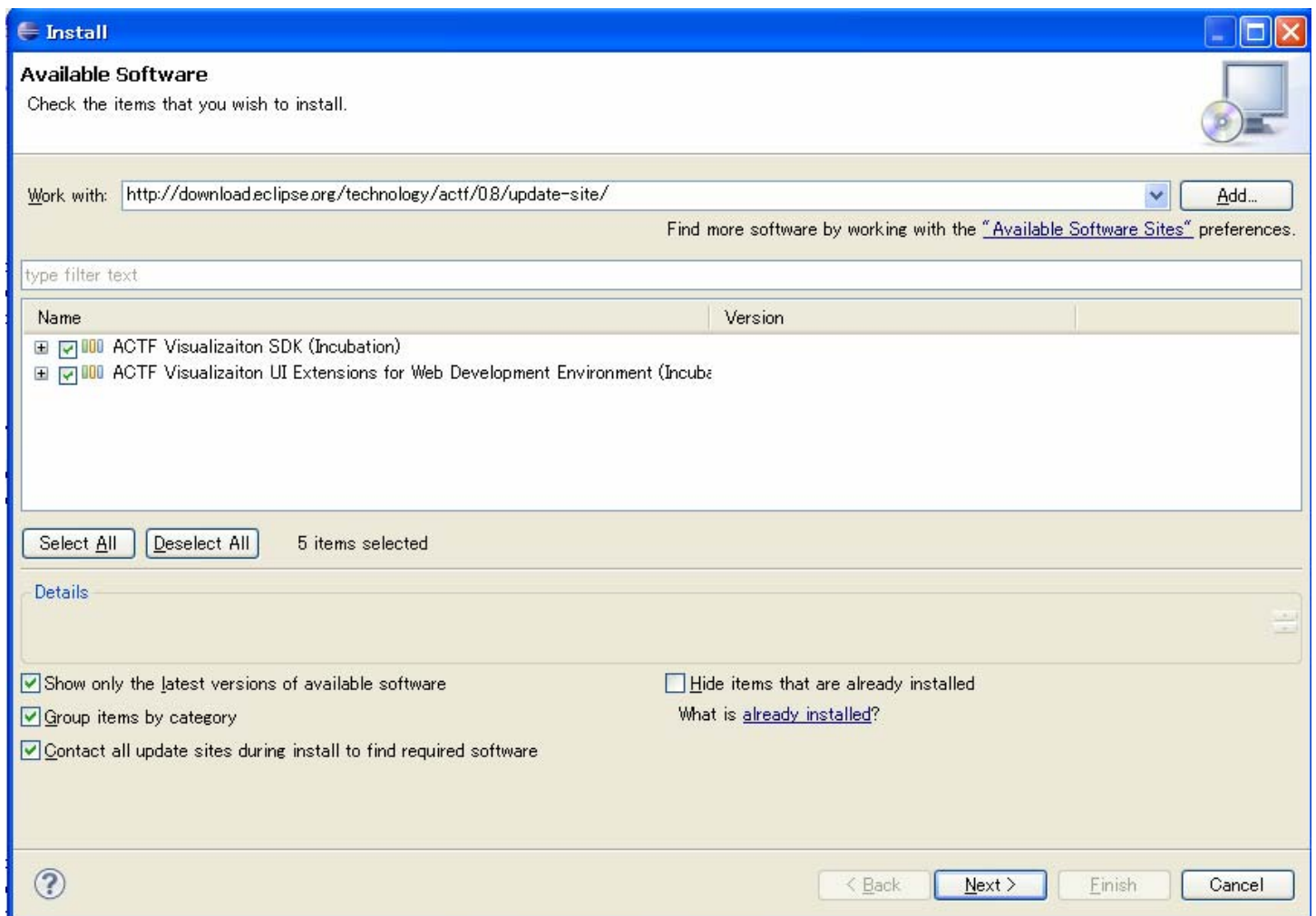   http://www.openoffice.org

2.2. Installation of ACTF Visualization SDK

You can install ACTF Visualization SDK by using Eclipse Update mechanism.

Step 1: Select **Help -> Install New Software** menu.
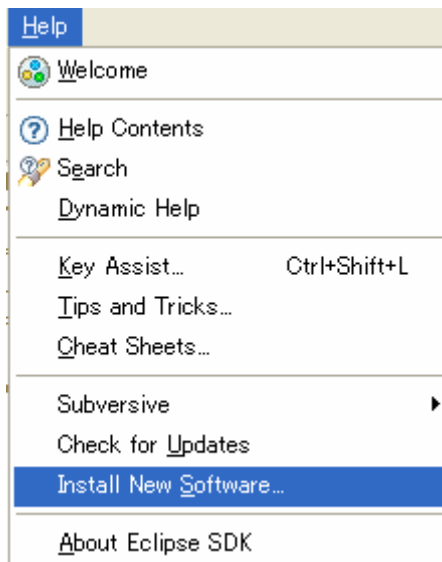
Step 2: Type ACTF update-site URL (**http://download.eclipse.org/technology/actf/0.8/update-site**) into "**Work with:**" input box.

Step 3: Select ACTF Visualization SDK, and press **Next** button. Then, please follow instruction of the update wizard.

3. Getting started with ACTF SDKs

1. Download zipped Team Project Set file for examples.
http://www.eclipse.org/downloads/download.php?file=/technology/actf/psf/anonymous/actf-examples.zip

2. Unzip the downloaded file and import Team Project Set file (*.psf) from Eclipse's 'File' -> 'Import' -> 'Team' -> 'Team Project Set' menu.   (id: anonymous, password: ""(null))

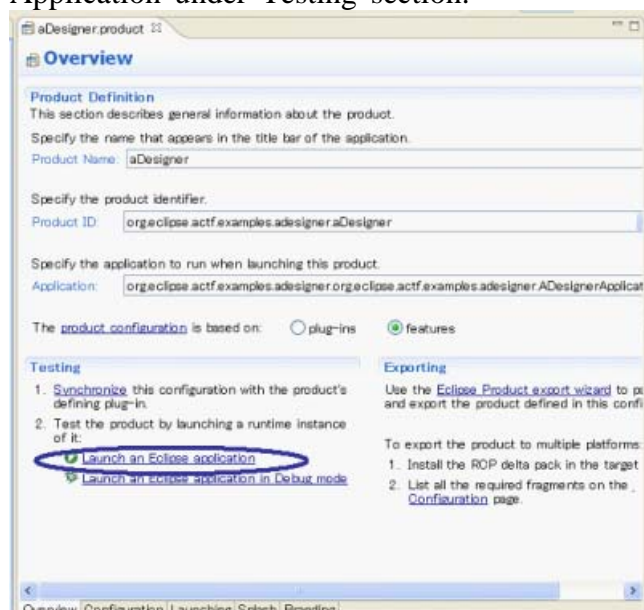3. Launch example applications
Select and open one of example application project below:
  org.eclipse.actf.examples.adesigner : accessibility visualization tool aDesigner (with Help)
  org.eclipse.actf.examples.simplevisualizer : visualization example application
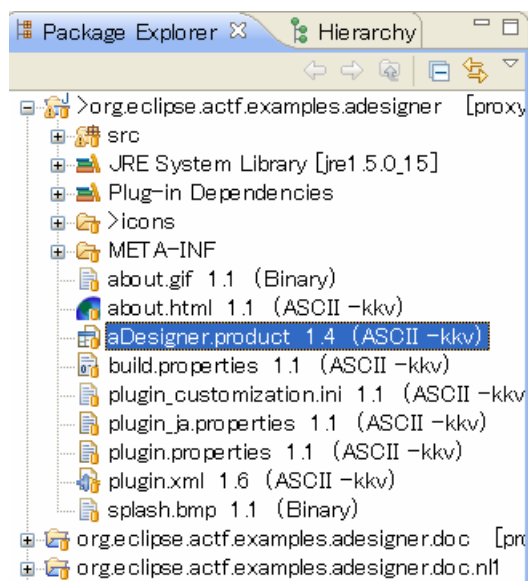
Then, select (double click) *.product file and open it in a product editor. In the editor, select 'Launch an Eclipse Application' under 'Testing' section.

(For more details about example applications, please see presentation charts. Online-help is also included in aDesigner application. Please select 'Help' menu in the application.)
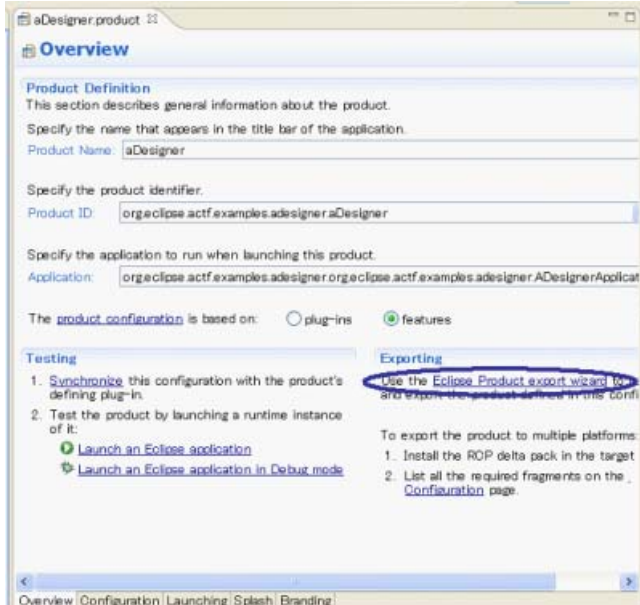
4. Build examples
Select and open one of example application project below and select *.product file as in step 3.
  org.eclipse.actf.examples.adesigner
  org.eclipse.actf.examples.aibrowser
  org.eclipse.actf.examples.simplevisualizer

Open an export product wizard by selecting 'Eclipse product export wizard' under 'Exporting' section and follow the wizard.

4. Access to ACTF source code

Anyone can access to ACTF CVS repository. Please visit the ACTF Contributors Information page below and get ACTF source code.

http://www.eclipse.org/actf/contributors.php

5. Communication with ACTF team

5.1 Bug report

If you find any issues, please submit a bug report from URL below:
  https://bugs.eclipse.org/bugs/enter_bug.cgi?product=ACTF

(Please create your bugzilla account from https://bugs.eclipse.org/bugs/createaccount.cgi)

You can also attach your change as patch file.
Please export your change by using "Team"->"Create Patch" menu, and attach the file to bugzilla entry.

5.2 Questions and feedbacks

If you have any questions or feedbacks about ACTF, please post it to our News Group.

http://www.eclipse.org/newsportal/thread.php?group=eclipse.technology.actf

You can post your message by using "New message" and/or "Reply to this" menu.

(Please create your bugzilla account from https://bugs.eclipse.org/bugs/createaccount.cgi)

5.3 Development discussions

If you want to get more involved into ACTF development discussions, please join the actf-dev Mailing List from URL below.

https://dev.eclipse.org/mailman/listinfo/actf-dev

We are looking forward to working with you!!