Demo Part1

•

Log into account awips, first Show Lesson 1 of Sourceforge tutorial.

Run /setup_ade.h

You Should see:

Starting the ADE installer, please do not close this window...

The **Welcome** screen will appear.



Click Next

An **Information** screen will appear.

8	IzPack - Installation of AWIPS ADE	
Infoi Step 2	rmation of 10	P
	Please read the following information: This will install a copy of the AWIPS ADE software in a selected directory. Prior to running the installer, you should uninstall any existing AWIPS ADE installations and close unneeded windows and applications. AWIPS ADE Version: T011 Installer created: April 29 2010	
(Made with I:	zPack - http://izpack.org/) 🙀 Previous 🛛 🚔 Next	S Quit

Click **Next** The **Licensing Agreements** screen appears.



Select **I Accept the terms of this license agreement** and the click **Next**.

The **Target Path** screen appears.

👬 IzPack - Installation	of AWIPS ADE
Target Path	
Select the installation path: /home/awipsade/ade	Erowse
(Made with IzPack - http://izpack.org/)	🐳 Previous 👘 Next 🔇 Quit

Enter an Installation path like : /home/awips/ade (the default should be fine). Then Click Next

The **Select Installation packages** screen appears.



Select all of the packs to install and Click Next

The **User Data** screen appears.

8	izPack - insta	allation of AWIPS ADE	
User Da	ita		R
*	ADE Config	guration	
6	NOTE: To compile an installing the ADE. Th Python, Postgres etc t and debug CAVE cod from the CAVE/Viz in	d debug EDEX code, you must install EDEX before he EDEX installer will also install Camel, Qpid, that the ADE will need. If you only wish to compile e, this is not needed. (Use the Python directory stall instead.)	
1	Location of Python (sh	nould contain lib sub-directory)	
100	Directory:	/awips/python	
	Location of Java Hom	e Directory (should contain 'bin/java')	
-	Java Home:	/home/awips/ade/java	
	Location of the caveE project)	nvironment (normally under the build CAVE	
	CAVE Build Project:	/home/awips/ade/caveEnvironment	
- <u>69</u>	Location of Apache A	nt build tool (should contain 'bin/ant')	
	Apache Ant Location:	/home/awips/ade/ant	
88			
(Made with IzPack - htt	p://izpack.org/)		
		Intervious Previous Previous	😢 Quit

Make sure the paths are correct (defaults should be correct) and Click **Next.** The **Setup Shortcuts screen** appears.



Unselect "Create shortcuts in the XDG-Menu" and click Next

The **Installation** screen appears.



Wait for installation to complete and Select **Next** The **Perform External Processes** screen appears.

Berfe Step 9	IzPack - Installation of AWIPS ADE
*	Processing Setup Baseline
A G	Setting up ADE Baseline install dir = /home/awipsade/ade user home = /home/awipsade user name = awipsade user name = awipsade
	Setting up JAVA Environment Variables
	Setting up Ant Environment Variables
88	Setting up ADE Environment Variables
	Setting up Eclipse Copying Files and setting executable permissions
(Made with I:	zPack - http://izpack.org/) 🔶 Next 🛛 😰 Quit

When "Perform External Processes" Completes select Next

	IzPack - Installation of AWIPS ADE	×
Insta Step 1	allation Finished	
	 Installation has completed successfully. An uninstaller program has been created in: /home/awipsade/ade/Uninstaller 	
(Made with I	IzPack - http://izpack.org/)]

Select **Done**.

cd ade/eclipse ./eclipse.sh

E	Workspace Launcher	X
Select a wo	rkspace	
Eclipse SDK Choose a wo	stores your projects in a folder called a workspace. orkspace folder to use for this session.	
<u>W</u> orkspace:	/home/awipsade/workspace	
🗌 <u>U</u> se this a	as the default and do not ask again	
	OK Cancel	

Select ${\bf Browse}.$ and Navigate to /home/username/ade/projects/awips – select ${\bf Ok}$

E Select Workspace Directory 🗙				
A mipsade ade projects awips Create Folder				
Location:				
Places	Name	▼ Modified		
豫 awipsade	📁 build	Today		
😻 Desktop	📁 build.edex	Today		
🔿 File System	📁 build.rcm	Today		
🖔 Floppy Drive	📁 com.atomikos	Today		
📁 site	📁 com.facebook.thrift	Today		
	📁 com.mchange	Today		
	📁 com.opensymphony.ognl	Today		
	📁 com.raytheon.edex.adaptersrv	Today		
♣ <u>A</u> dd	📁 com.raytheon.edex.autobldsrv	Today 🚽		
560	ect the workspace directory to use.			
	X Cancel	। <i>┩</i> <u>о</u> к		

Then select **Ok** in Workspace Launcher Window. Wait for the following Initial Eclipse Window.



Click on the Button with the Down Arrow Icon on the Far right to enter the initial IDE Java perspective Window seen below.



Select the **Window** pull down menu from the menu bar and select the Preferences menu item.

Applications Places System 🏀 🚳 🍣	8		10		2:59 PM 🜒
6	J	ava - Eclipse SDK			_ • ×
<u>File Edit Source Refactor Navigate Search</u>	<u>P</u> roject <u>R</u> un <u>W</u> indow <u>H</u> elp				
📬 🔛 🚔 🏇 • 🖸 • 🏊 • 🖑 📽 🞯 •] 🗳 🙋 🖉 🖋 -] ∯ - ∛ - K				🖺 🐉 Java
🛱 Package 🕱 隆 <u>Hierarch</u> 🗖 🗖				- 8	🗐 Task List 🛛 🔍 🗖 🗖
E	Preferences		×		₩ ₩ • □ № ▼
type filter text	General	<,>▼	⇒ •		Find:
General	Always run in background				Concategorized
♦ Ant	Keep <u>n</u> ext/previous editor, vie	w and perspectives dialog	open		
▷ C/C++	Show heap status				
Communications	Open mode				
₽ Help	Oouble click				
➢ Install/Update	O <u>S</u> ingle click				
2 Java	Select on <u>h</u> over				
Plug-In Development	Open when using arrow	<u>seys</u>			
Prydev	Note: This preference may not	take effect on all			
D Tacks					
Team					🗄 Outline 🛿 🦳 🗖
Lisage Data Collector					- - -
Validation					An outline is not available.
Þ xm					
		Restore Defaults	pply		
0			ncol		
$\overline{\mathbf{U}}$					
Drahla					
0 items		·			• -
Descript	ion	Resource Path	Location Type		
😻 🔲 [awipsade@ocelot:~/ade/e) 📄 [Untit	iled1 - OpenOffice.org 🛛 🧲 Java - F	Eclipse SDK	Save Screenshot	💼 Starting Take Screens	shot 📃 🔜 😁

Expand the Ant Selection



Select Ant <u>H</u>ome.

Preferences 🗙			
type filter text	Runtime	⇔ ∙ ⇒, •	
General	Settings used when running Ant buildfiles:		
▽ Ant	୍ୟିତClasspath 🖉 Tasks ଐୁTypes ଐPropertୁie	es	
▷ Editor	Ant Home Entries (Default)	Add JARs	
Runtime	👂 🍫 Global Entries		
C/C++	Contributed Entries		
Communications		Add <u>F</u> older	
≥ Install/Update		Add <u>V</u> ariable	
▷ Java		Ant <u>H</u> ome	
Plug-in Development		Remove	
Þ Pydev			
Run/Debug			
D Tasks		Do <u>w</u> n	
▷ Team			
Usage Data Collector			
	Restore D	efaults <u>A</u> pply	
⑦ OK Cancel			

Navigate to the Directory where Ant is installed (/home/awipsade/ade/apache-ant-1.7.1) and select the $\underline{O}\mathbf{k}$ button.

		Þ		
Create Folder				
Location:				
<u>P</u> laces	Name	▼ Modified		
豫 awipsade	芦 bin	Today		
😻 Desktop	📁 docs	Today		
🗇 File System	芦 etc	Today		
Ioppy Drive	芦 lib	Today		
📁 site	📄 fetch.xml	06/27/2008		
	📄 get-m2.xml	06/27/2008		
	D INSTALL	06/27/2008		
	C KEYS	06/27/2008		
♣ Add ■ <u>R</u> emove	DICENSE	06/27/2008		
Choose a folder that will be used as the location of ANT HOME.				
choose a rolaer				
		🗙 Cancel 🖉 OK		

Expand Preferences - Java – Java/Compiler and java/Installed JREs

E	Preferences	×
type filter text	Java	⇔ ▼ ⇔, ▼
image: type inter text > General > Ant > C/C++ > Communications > Help > Install/Update ✓ Java > Appearance > Build Path > Code Style ✓ Compiler Building Errors/Wamings Javadoc Task Tags > Debug > Editor ✓ Installed JREs Execution Environments JUnit Properties Files Editor Plug-in Development > Pydev > Run/Debug > Tasks > Team > Usage Data Collector Validation XML	General settings for Java development: Action on double click in the Package Explorer Go into the selected element Expand the selected element When opening a Type Hierarchy Open a new Type Hierarchy Perspective Show the Type Hierarchy View in the current perspective Refactoring Java code Save all modified resources automatically prior to refactoring Rename in editor without dialog Search Use reduced search menu Java dialogs Clear all 'do not show again' settings and show all hidden dialogs again Restore Defaults	
0	ОК	Cancel

Highlight the **compiler** selection Make sure **compiler compliance level** is at Version 1.6

e	Preferences	×		
type filter text	Compiler			
General	Con	figure Project Specific		
▷ Ant	JDK Compliance			
▷ C/C++	Comp <u>i</u> ler compliance level:	1.6 🔷		
Communications	✓ Use default compliance settings			
▷ Help	Generated, class files compatibility	[16 ≜]		
Install/Update	ocheratea erabb meb compatibility.			
▽ Java	Source co <u>m</u> patibility:	1.6 🗘		
Appearance	Disallow identifiers called 'assert':	Error 😫		
Build Path	Disallow identifiers called 'enum':	Error 🔶		
Code Style	Classfile Constraint			
🔻 Compiler	Classfile Generation	and by the debugger)		
Building		sed by the debugger)		
Errors/Wamings	Add line number attributes to generated class file	s (used by the debugger)		
Javadoc	Add source <u>file</u> name to generated class file (use	Add source <u>file</u> name to generated class file (used by the debugger)		
Task Tags	Preserve unused (never read) local variables			
Debug	✓ Inline finally blocks (larger class files, but improve	ed performance)		
▷ Editor				
✓ Installed JREs				
Execution Environments				
JUnit				
Properties Files Editor				
Plug-in Development				
▷ Pydev				
▷ Run/Debug				
Tasks				
▷ Team				
Usage Data Collector				
Validation				
▷ XML		Restore <u>D</u> efaults <u>A</u> pply		
0		OK Cancel		

Highlight Execution Environments , Select the Correct Execution Environment ie JavaSE-1.6

E	Preferences	×
type filter text	Execution Environments	\$- + \$
 General Ant 	This page displays the JREs compatible for When multiple JREs are compatible with ar specified by checking it.	each execution environment. Nenvironment, a default JRE can be
▷ C/C++	Execution Environments:	<u>C</u> ompatible JREs:
Communications	🛋 CDC-1.0/Foundation-1.0	🗹 🛋 java [perfect match]
	🛋 CDC-1.1/Foundation-1.1	
Install/Update	➡ J2SE-1.2	
▼ Java	≥ J2SE-1.3	
Appearance	≥ I2SE-1.4	
D Build Path	≥ J2SE-1.5	
Code Style	🛋 lavaSE-1.6	
	➡ IRE-1.1	
Building	SGi/Minimum-1.0	
Errors/Wamings	SGi/Minimum-1.1	
Javadoc		
Task Tags		
Debug		
▷ Editor		
Execution Environments		
JUnit		
Properties Files Editor		
Plug-in Development		
▶ Pydev		
▶ Run/Debug		
▶ Tasks		
▶ Team		
Usage Data Collector		
Validation		
Þ xm∟	Environment description:	
	java Plau orm, Standard Editori 6.0	
0		OK Cancel

Expand the **Pydev** and select "**interpreter** – **Python**"

E	Preferences	×
type filter text	Python Interpreters	⇔ ∙ ⇔, ▼
Javadoc	Python interpreters (e.g.: python exe)	
Task Tags	yuon melpreters (e.g., pyuon.exe)	
Þ Debug		Ne <u>w</u>
▷ Editor		<u>R</u> emove
Execution Environments		
JUnit		Down
Properties Files Editor	System PYTHONPATH	
Plug-in Development		New Folder
⊽ Pydev		
Builders		New Egg/Zip(s)
Code Completion		<u>R</u> emove
Code Folding		
Code Style		
▷ Debug		
Interactive Console		
Interpreter - Jython		
Interpreter - Python		
Logging		
Pylint		
Pyunit		
Scripting Pydev		
Task Tags	Forced builtin libs (check http://pvdev.sf.net/fag.html for more info)	
Typing		
Run/Debug		Ne <u>w</u>
D Tasks		<u>R</u> emove
▶ Team		
Usage Data Collector		
Validation	Restore Defai	
Þ XML		Дрргу
0	ОК	Cancel

Select the **NEW** button of the python interpreters dialog and use the following file dialog to navigate to the location of the python interpreter and select $\underline{O}k$

E awins? python	bin	X
Location:		
<u>P</u> laces	Name	▼ Modified
🙀 awipsade	f2py	11/18/2009
😻 Desktop	🗇 idle	11/09/2009
S Flie System	🕏 ncdump	04/12/2010
S Floppy Drive	🕏 ncgen	04/12/2010
📁 site	🗇 nosetests	11/18/2009
	🗇 pydoc	11/09/2009
	🖻 python	11/09/2009
	🕏 python2.6	11/09/2009
Add <u>Remove</u>	Dython2.6-config	11/09/2009 💌
		X Cancel

Select $\underline{\mathbf{O}}$ k in the **Selection Needed** Dialog window that pops up below.

Selection Needed	×
Select the folders to be added to the SYSTEM pythonpath!	
IMPORTANT: The folders for your PROJECTS should NOT be added here, but in your project configuration	
Check:http://rabioz.com/pydev/manual_101_interpreter.html for more details.	
🗹 🗟 /awips2/python/lib/python2.6	
🗹 🗟 /awips2/python/lib/python2.6/lib-dynload	
🗹 📓 /awips2/python/lib/python2.6/lib-old	
🗹 📓 /awips2/python/lib/python2.6/lib-tk	
🗹 📓 /awips2/python/lib/python2.6/plat-linux2	
🗹 📓 /awips2/python/lib/python2.6/site-packages	
🗹 🔬 /awips2/python/lib/python26.zip	
🗌 🚋 /home/awipsade/ade/eclipse/plugins/org.python.pydev_1.3.22/PySrc	
Select All)
⑦ OK Cancel)

The **interpreter** – **Python** dialog gets populated with the correct parameters. Select <u>Apply</u>, wait and then select **Ok**



You are now ready to import the Edex/Cave software and compile it. First Select the **Project** pull down menu and unselect the **Build Automatically** menu choice.

6	j	ava - Eclipse	SDK				_ • ×
<u>File Edit Source Refactor N</u> avigat	e Se <u>a</u> rch <u>P</u> roject <u>R</u> un <u>W</u> indow <u>H</u> elp						
] 📬 🔛 👜] 🏇 🛛 Or 💁] 🖉	🖶 ⓒ•] 🐸 🙋 😂 🖋•] 원ㅋ 원ㅋ 원	- ()					🗈 🖏 Java
📲 Package 😫 🏌 Hierarch 🖓 🗖						- 0	🗐 Task List 🛿 📃 🗖
🖻 🔩 👳 🏹							1 🔞 🗄 • 🖻 🐨 🏹
							Find: Find:
							Chicategorized
							E Outline 🛛 🗖 🗖
							An outline is not available.
	0 items						· -
	Description	Resource	Path	Location	Туре		
D *							💿 🔮 💌 🔮 🔶

Select the File pull down menu and select import. The following **Import** dialog appears. Expand **General** and select **Existing Projects into Workspace** and then select the **Next** button.

E Import	×
Select	
Create new projects from an archive file or directory.	
<u>S</u> elect an import source:	
type filter text	
▽ 🗁 General	<u></u>
👰 Archive File	
🖆 Existing Projects into Workspace	
🗀 File System	
🛄 Preferences	
▷ 🗁 C/C++	
👂 🗁 CVS	
👂 🗁 Plug-in Development	
👂 🗁 Run/Debug	
👂 🗁 SVN	-
(2) < Back Next > Einish	Cancel

An **import** dialog appears. Select the **Select root directory** toggle and click the **browse** button.

E	Import	×
Import Projects Select a directory to sear	ch for existing Eclipse projects.	
 Select root directory: Select <u>a</u>rchive file: 		Browse
Projects:	orkspace	<u>S</u> elect All <u>D</u> eselect All <u>Re</u> fresh
⑦ < <u>B</u>	ack Next > Enish	Cancel

Navigate to /home/awipsade/ade/projects/awips and select Ok

ŧ		
👔 🖣 🕅 awipsade ade	projects awips	Create Folder
Location:		
<u>P</u> laces	Name	▼ Modified
豫 awipsade	📁 build	Today
😻 Desktop	📁 build.edex	Today
🗇 File System	📁 build.rcm	Today
Ioppy Drive	📁 com.atomikos	Today
📁 site	📁 com.facebook.thrift	Today
	📁 com.mchange	Today
	📁 com.opensymphony.ognl Today	
	📁 com.raytheon.edex.adaptersrv	Today
₽ Add ■ <u>R</u> emove	📁 com.raytheon.edex.autobldsrv	Today 🗸
Select	root directory of the projects to import	
	Cancel	<u> Ф</u> к

The **import** dialog below appears – Select **Finish**

E Import	×
Import Projects Select a directory to search for existing Eclipse projects.	
 Select root directory: /home/awipsade/ade/projects/awips Select <u>a</u>rchive file: <u>P</u>rojects: 	Browse
 build (/home/awipsade/ade/projects/awips/build) build.edex (/home/awipsade/ade/projects/awips/build. build.rcm (/home/awipsade/ade/projects/awips/build. com.atomikos (/home/awipsade/ade/projects/awips/c com.facebook.thrift (/home/awipsade/ade/projects/awips/c com.mchange (/home/awipsade/ade/projects/awips/c copy projects into workspace 	<u>S</u> elect All <u>D</u> eselect All R <u>e</u> fresh
(?) < <u>Back</u> <u>Next</u> > <u>Finish</u>	Cancel

Eclipse will now import the code for Edex and cave and other software.

Your IDE should look like this:

6	Java - Eclipse SDK	_ • ×
<u>File Edit Source Refactor Navigate Search Project Re</u>	ın <u>W</u> indow <u>H</u> elp	
] 🗈 • 📄 💼] 🏇 • Ø • 🤹 🖑 📽 ଙ •] 💪	(2) (2) 전 · 한 · 한 · · · · · · · · · · · · · · ·	🗈 🚭 Java
😫 Package Explorer 🛿 🍃 Hierarchy 🗖 🗖	- 8	📳 Task List 🛛 🗖 🗖
		1 🗐 🖬 - 🕞 🐨 🏹
😤 build		Find:
⊯ build.edex		
j≡ build.rcm		Uncategorized
▷ 😂 com.atomikos		
▷ 崖 com.facebook.thrift		
▷ 😂 com.mchange		
▷ 崖 com.opensymphony.ognl		
▷ 😂 com.raytheon.edex.adaptersrv		
com.raytheon.edex.autobldsrv		
com.raytheon.edex.collaboration		
▷ 😂 com.raytheon.edex.common		
😑 com.raytheon.edex.feature.uframe		
Com.raytheon.edex.ingestsrv		
▷ 😂 com.raytheon.edex.kml		
▷ 😂 com.raytheon.edex.meteolib		An outline is not available.
▷ 😂 com.raytheon.edex.monitorsrv		
▷ 😂 com.raytheon.edex.msgutility		
com.raytheon.edex.notifysrv		
Com.raytheon.edex.plugin.airep		
▷ 😂 com.raytheon.edex.plugin.binlightning		
▷ 😂 com.raytheon.edex.plugin.bufrmos		
▷ 😂 com.raytheon.edex.plugin.bufrua		
▷ 😂 com.raytheon.edex.plugin.ccfp		
▷ 😂 com.raytheon.edex.plugin.gfe		
▷ 😂 com.raytheon.edex.plugin.goessounding		
Com.raytheon.edex.plugin.grib	🖁 Problems 🕱 🖉 Javadoc 🔯 Declaration	2
com.raytheon.edex.plugin.ldad	O items	
▷ 😂 com.raytheon.edex.plugin.ldadhydro	Description Resource Path Location Type	
Com.raytheon.edex.plugin.ldadmanual		
Com.raytheon.edex.plugin.ldadmesonet		
▷ 😂 com.raytheon.edex.plugin.ldadprofiler		
		er (
Ū [♥]	Refreshing workspace	ola 🔰 💆 😵 🔶 🖉

From the **Project** pull down menu select **Clean**. The following **Clean** dialog appears. Select **Clean all projects** and **Build the entire workspace** toggles and Click the **OK** button.

<u> </u>	Jean 🔪
Clean will discard all build probler build occurs the projects will be re	ns and built states. The next time a ebuilt from scratch.
Olean <u>all</u> projects	\bigcirc Clean projects <u>s</u> elected below
🗖 😅 build	<u> </u>
🗖 🖻 build.edex	=
🗖 🗁 com.atomikos	
🗖 🗁 com.facebook.thrift	
🗖 🖾 com.mchange	
🗖 🗁 com.opensymphony.ogni	
Com.raytheon.edex.adapte	ersrv
Com.raytheon.edex.autobl	dsrv
Com.raytheon.edex.collabo	vation
✓ Start a <u>b</u> uild immediately	
Build the entire <u>w</u> orkspace	
\bigcirc Build only the selected proje	cts
	OK Cancel

The **Building Workspace** progress bar below appears. Just wait until its done.

E	Building Workspace
P	Building all
🗌 Alwi	ays r <u>u</u> n in background Run in <u>B</u> ackground Cancel <u>D</u> etails >>

Open a Terminal window and cd to \$home/ade/eclipse and issue the following commands.

/bin/ln -s ~/ade/projects/awips/build/static/common/cave/basemaps . /bin/ln -s ~/ade/projects/awips/build/static/common/cave/etc .

Navigate to the **com.raytheon.viz.product.awips** package, double click on the file **awips.product** file. In the awips.product editor select the **Launch an Eclipse Application** hyper link



You should see the following after a few minutes.



Enter OAX for the **Site** and Click the **Validate** button

Co	nnectivity Preferences	×
Error: Unable to connect to localization server		
Localization Server:	http://localhost:9581/services	
Site:	OAX	
	Validate OK Quit	

When Validated it should look like follows. Then Click **OK**.



If you did everything correctly you should see the following screen appear.



End part one.