

Toolkit Example Enterprise -- Installation Test and Demonstration			
Windows Version - September 2006			
Package tested:	[Package example] Toolkit Example Enterprise - package 117		
Date and time of test:	The package number can be found in the file c:\toolkit-examples-2.0\PACKAGE.txt		
Name of person testing:			
Important notes: 1. To open a Command Prompt window, choose Start > Run and type cmd in the input box labeled "Open:", then press Enter . 2. When entering Windows paths for the environment variables, if the path contains one or more spaces it may be necessary to use eight-character directory names. To do this, use the first six characters of the full path at each directory level plus the tilde "-" and "1". Example: C:\PROGRA~1\Java\jdk1.5.0_06 for C:\Program Files\Java\jdk1.5.0_06. 3. Check the CLASSPATH environment variable. QuickTime and iTunes set this and it may prevent OpenJMS from starting. DELETE this environment variable if you find it and it causes problems with OpenJMS.			
ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
Download the Example Enterprise			
1 Download the Example Enterprise archive from the appropriate URL, or copy it to your hard drive from the CD			
Check the Java version on the target machine			
3 Open a Command Prompt window			
4 Type java -version and press Enter	Command returns, in part: "java version 1.X"... must be 1.5 or higher		
5 If the Java version is not 1.5 or higher, upgrade Java SDK installation			
6 In order for the machine to recognize the new installation, you must add JAVA_HOME to the path (see below)			
Install MySQL			
8 Download MySQL from http://www.mysql.com/downloads/mysql-4.0.html and follow installation instructions. Important: leave root password blank. Accept "typical" or "complete" installation. Use the "standard" configuration: install as a service; check "Add \bin directory to path"; uncheck "Modify security settings" and leave the root password blank	Be sure to uncheck "Modify security settings" and to leave the root password blank		
Install MySQL Administrator			
10 Download MySQL Administrator from http://dev.mysql.com/downloads/administrator/1.1.html and follow installation instructions			
Install MySQL Control Center			
11 Download the MySQL Control Center from [http://xml.openii.com/download/training or other appropriate URL]			
Uncompress the Example Enterprise archive			
14 Delete any previous installation of the example enterprise by deleting the directory C:\toolkit-examples-2.0 and all its subfolders			
15 Make sure the example enterprise archive is copied to the root directory (usually C:\). <i>The example enterprise must be copied to the root directory</i>			
16 Uncompress the archive by extracting it from the root directory. The archive will create the example enterprise directory structure, which will begin at C:\toolkit-examples-2.0	The archive will uncompress to a new directory named c:\toolkit-examples-2.0		
Set environment variables			
18 Open Windows Control Panel			
19 Select System > Advanced > Environment Variables			
20 Under System variables, click New			
21 For variable name, enter JAVA_HOME . For variable value, enter the directory where Java is installed, for example, C:\PROGRA~1\Java\jdk1.5.0_06 Use the actual Java SDK installation location and version. <i>DO NOT use the location of the Java Runtime Environment (e.g., jre1.5.0_06).</i> Click OK			
22 Under System variables, click New			
23 For variable name, enter ESB_HOME2 . For variable value, enter the directory created where the Example Enterprise archive was uncompressed, for example, C:\toolkit-examples-2.0. Click OK			
24 Under System variables, select the Path variable and click Edit			
25 Add %JAVA_HOME%\bin; to the beginning of the path. Check that the location of the MySQL binary executable files is in the path (something like C:\Program Files\MySQL\MySQL Server 5.0\bin). If it is not there, add it. Click OK. Click OK again to exit System, then exit the Control Panel			
26 Close all Command Prompt windows. To check that you are now using the correct Java version, open a new Command Prompt window and type java -version then press Enter			
Set up the Example Enterprise			
27			

ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
30 Type <code>setupexamples.bat mysql</code> and press Enter. Watch for the instructions (listed in the column to the right in this spreadsheet) directing you to wait until Tomcat starts before pressing any key	The command <code>setupexamples.bat</code> will initiate a fairly lengthy series of setup steps, the longest of which are for uPortal and Sakai. When finished, the Command Prompt window will return the following and start Tomcat in a second command prompt window (note that you must wait for Tomcat to start): ****Attention*****Attention*****Attention**** To complete the sample enterprise setup the Tomcat application server must start once to initialize the Sakai learning management system. Please wait for the Tomcat application server to start. When Tomcat has started you should see a line in the Tomcat window that reads "INFO: Server startup in [some number] ms" At that time, press any key to continue. ****Attention*****Attention*****Attention**** DO NOT PROCEED UNTIL YOU READ THE NOTE IMMEDIATELY ABOVE THIS TEXT. Press any key to continue . . .		
31 Once Tomcat finishes, make the <code>ESB_HOME2</code> window the current window and press any key	Tomcat will close. The Command Prompt window will return: "OpenEAI Example Setup is complete. You may run <code>startAll.bat</code> to start the examples."		
32 Start the Example Enterprise			
33 Return to the Command Prompt window			
34 Make sure the <code>ESB_HOME2</code> directory is the current directory			
35 Type <code>startall.bat</code> and press Enter	Two new Command Prompt windows will open: one for OpenJMS, one for OpenLDAP		
36 Wait for OpenJMS window to display <code>..JMS Admin Server is bound to //localhost..</code> and for OpenLDAP window to display <code>slapd.exe startup: initiated. slapd starting</code>			
37 Return to original Command Prompt window and press any key	Two new Command Prompt windows will open: one each for two instances of Tomcat.		
38 Wait for each Tomcat window to return <code>INFO: Server startup in [some number] ms</code>			
39 Log in to the Console			
40 Open a web browser and go to the URL <code>http://localhost:8181/consoleq4/</code> . This initialization may take 30 seconds or more	The Toolkit console login window will open		
41 Enter <code>user1</code> for User Name and <code>password!</code> for the Password, then click the Login button	The Toolkit home page will open, and all applications and connectors will be "Stopped"		
42 Start the core EAI services			
43 Click the Start Core Services button	An Action Confirmation page will open, showing the text You have selected to Start the following applications: <code>com.openii.SyncRouter</code> <code>com.openii.RequestProxy</code> <code>com.openii.LoggingService</code> Do you wish to continue?		
44 Click the Yes button	After a period of time elapses, perhaps thirty seconds or more, a new Action Confirmation page will display confirming startup of the router, proxy, and logging service		
45 Click the OK button	You will return to the Toolkit home page. The Routing Service, Proxy Service, and Logging Service tab text will have turned green		
46			
47 Start the example connectors			
48 Click on the Application Id box to sort the list of applications alphabetically	The list of applications will resort in ascending alphabetical order		
49 Click on the link to the org.any-school-district.DataWarehouseConnector (Note: this will display the application-specific administration page for the data warehouse connector. This demonstrates how to start an application for this page. Subsequent application starts will be performed from the general page using the "start selected" feature)	The Application Details Page will open, showing the status of the <code>org.any-school-district.DataWarehouseConnector</code> as "Stopped"		

	ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
50	Click the Start button	A new page will display which says, "You have selected to Start the org.any-school-district.DataWarehouseConnector Gateway... Do you wish to continue?"		
51	Click Yes	A new page will display which says, "The org.any-school-district.DataWarehouseConnector Gateway has been Started. Press the 'OK' button to return."		
52	Click OK	You will return to the Application Details Page, and the status of the org.any-school-district.DataWarehouseConnector will be listed as "Running"		
53	Click the Back button	You will return to the General Page and the status of the org.any-school-district.DataWarehouseConnector will be listed as "Running"		
54	Click on the Application Id box to sort the list of applications alphabetically	The list of applications will resort in ascending alphabetical order		
55	Click the check box next to the org.any-school-district.DirectoryServiceConnector			
56	Click the check box next to the org.any-school-district.ErpConnector			
57	Click the check box next to the org.any-school-district.LegacySystemFileConnector			
58	Click the check box next to the org.any-school-district.LmsConnector			
59	Click the check box next to the org.any-school-district.PortalConnector			
60	Click the check box next to the org.any-school-district.SimulatedSchoolMaxConnector			
61	Click the Start Selected button	A new page will display which says, "You have selected to start the applications listed below. Do you wish to continue?"		
62	Click Yes	<p>A new page will display which says, "The requested action(s) were completed with the following status.</p> <ul style="list-style-type: none"> * org.any-school-district.ErpConnector was successfully started. * org.any-school-district.DirectoryServiceConnector was successfully started. * org.any-school-district.PortalConnector was successfully started. * org.any-school-district.LmsConnector was successfully started. * org.any-school-district.LegacySystemFileConnector was successfully started. * org.any-school-district.SimulatedSchoolMaxConnector was successfully started." 		
63	Click OK	You will return to the General Page and the status of the applications you just started will be listed as "Running"		
64	Click on the Status box to sort the list of applications by status (Running, Stopped, Error)	The list of applications will resort in ascending alphabetical order		
65	Run the test suites			
66	Click on the link to the org.any-school-district.TestSuiteApplication-ErpConnector .	The Scheduled Application Details Page will open, showing the status of the org.any-school-district.TestSuiteApplication-ErpConnector. as "Stopped"		
67	Click the Start button	A new page will display which says, "You have selected to Start the org.any-school-district.TestSuiteApplication-ErpConnector.... Do you wish to continue?"		
68	Click Yes	A new page will display which says, "The org.any-school-district.TestSuiteApplication-ErpConnector. Application has been Started. Press the 'OK' button to return."		
69	Click OK	You will return to the Scheduled Application Details Page, and the status of the org.any-school-district.TestSuiteApplication-ErpConnector. will be listed as "Running"		

ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
70 Click the Back button	The status of the org.any-school-district.TestSuiteApplication-ErpConnector. will be listed as "Running"		
71 View the log for the TestSuiteApplication-ErpConnector. The test suite application should end with messages similar to those documented in the expected result. Note that you may need to refresh the log several times to see the most recent and final log	<p>2006-07-04 20:11:03,684 INFO [Thread-36] - All sync messages have been consumed or time has expired, now returning from ScheduledCommand.</p> <p>2006-07-04 20:11:03,684 INFO [Thread-36] - Done with RunSuite/runsuitecommand Return Code: 0</p> <p>2006-07-04 20:11:03,684 INFO [Thread-36] - [TestSuite] All Schedules/Commands have completed successfully. Now exiting.</p> <p>2006-07-04 20:11:03,684 INFO [Thread-32] - TSPubSubConsumer - Consumer shutdown hook, stopping consumer</p> <p>2006-07-04 20:11:03,684 INFO [Thread-32] - TSPubSubConsumer - Waiting for threads to complete...</p> <p>2006-07-04 20:11:03,684 INFO [Thread-32] - TSPubSubConsumer - All threads are complete.</p> <p>2006-07-04 20:11:03,700 INFO [Thread-14] - TestSuiteAppProducer - Producer shutdown hook, stopping producer</p> <p>2006-07-04 20:11:03,700 INFO [Thread-35] - Thread-35 - All threads are complete.</p>		
72 Once the application log indicates that the test suite has run, return to the Console browser window and click on the link to the org.any-school-district.TestSuiteApplication-ErpConnector	The status of the org.any-school-district.TestSuiteApplication-ErpConnector will be listed as "Stopped"		
73 Click the Back button	The status of the org.any-school-district.TestSuiteApplication-ErpConnector will be listed as "Stopped"		
74 Once again, click on the link to the org.any-school-district.TestSuiteApplication-ErpConnector	The Application Details page should open. These status of the application should be Stopped.		
75 Click on the Scheduled Apps tab	The Scheduled Apps tab should be active and the TestSuite Scheduled Application should be in the list.		
76 Select the TestSuite item from the list and click the Edit button, or just double click on the TestSuite item in the list.	The Scheduled Application Details page should open for the TestSuite Scheduled Application. The View most recent Test Suite Summary link should be visible in the middle of the page.		
77 Follow the View most recent Test Suite Summary link (i.e., click on the link)	The Test Suite Summary page should open. The Modified label toward the upper right side of the page should list the time you ran the test suite application in the previous steps.		
78 Expand the TestStepSummary tree folder.	The TestStepSummary tree folder should expand and you should see the following child nodes: - TotalSteps: [some number] - PassedSteps: [same number as TotalSteps] - FailedSteps: 0		
79			
80 Start the GreetingService and run the GreetingApplication			
81 Click the Back button	You should be returned to the Scheduled Application Detail Page.		
82 Click the Back button	You should be returned to the Gateway Details Page.		
83 Click the Back button	You should be returned to the General Page.		
84 Click on the link to the org.any-school-district.GreetingService	The Gateway Details Page will open, showing the status of the org.any-school-district.GreetingService as "Stopped"		
85 Click the Start button	A new page will display which says, "You have selected to Start the org.any-school-district.GreetingService Gateway... Do you wish to continue?"		
86 Click Yes	A new page will display which says, "The org.any-school-district.GreetingService Gateway has been Started. Press the 'OK' button to return."		

	ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
87	Click OK	You will return to the Gateway Details Page, and the status of the org.any-school-district.GreetingService will be listed as "Running"		
88	Click the Back button	You will return to the General Page and the status of the org.any-school-district.GreetingService will be listed as "Running"		
89	Click on the link to the org.any-school-district.GreetingApplication	The Scheduled Application Details Page will open, showing the status of the org.any-school-district.GreetingApplication as "Stopped"		
90	Click the Start button	A new page will display which says, "You have selected to Start the org.any-school-district.GreetingApplication Application... Do you wish to continue?"		
91	Click Yes	A new page will display which says, "The org.any-school-district.GreetingApplication Application has been Started. Press the 'OK' button to return."		
92	Click OK	You will return to the Scheduled Application Details Page, and the status of the org.any-school-district.GreetingApplication will be listed as "Running"		
93	Click the Back button	You will return to the General Page and the status of the org.any-school-district.GreetingApplication will be listed as "Running"		
94	Switch to the second Tomcat window and observe the log messages	Messaging activity will be logged, and the run will end with the message "I've been stopped! Exit value is: 0 returning from thread... returning from thread..."		
95	Once the Tomcat log indicates that the GreetingApplication has completed its run, return to the Console browser window and click on the link to the org.any-school-district.GreetingApplication	The status of the org.any-school-district.GreetingApplication will be listed as "Stopped"		
96	Click the Back button	The status of the org.any-school-district.GreetingApplication will be listed as "Stopped", however the status of the org.any-school-district.GreetingService will still be indicated as "Running"		
97				
98	<p>For the following set of steps, we need to make sure the following applications are running:</p> <ul style="list-style-type: none"> - All "core" services (router, proxy and logging service) - The org.any-school-district.ErpConnector <p>If these applications are not running, follow the required steps to start them.</p>			
99				
100	Verify SelfServiceApplication can't send ANY requests			
101	If you're not already there, navigate back to the General tab			
102	Click the link for the org.any-school-district.SelfServiceApplication	The Application Details page should open		
103	Click the Start button to start the application. Follow the instructions to completely start it.	The org.any-school-district.SelfServiceApplication should start and the user interface should come up. Note: this may take a little time but ultimately you should be able to see the GUI for this application.		
104	With the Self Service Application GUI active, enter 16 in the Institutional ID: field at the top of the interface.			
105	Click on the Query button and wait.	At the bottom of the window in the Results From Action box it should read, "Exception executing query. Unknown Error occurred producing the Query request. Content of object: AddressLength=0, PhoneLength=0, Phone=[], EmailLength=0, Email=[], Address=[] Content of queryObject: InstitutionalId=16 Exception: BasicPerson - Error producing Query query request! Exception: Timed out waiting for response to request." This is expected, because the ProxyService has not yet been configured to proxy requests for the SelfServiceApplication		
106				
107	Add SelfServiceApplication and verify that it can now send requests			

ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
108 Minimize the Self Service Application GUI (but don't close it) and go back to the Console browser page.			
109 Select the Proxy tab	The Proxy Service tab should become active listing all Proxied Applications that are known by the Proxy Service. Verify that the org.any-school-district.SelfServiceApplication is not in the list		
110 Click on the New... button below the list of proxied applications	The Add New Proxied Application page should open and the org.any-school-district.SelfServiceApplication should be in the list.		
111 Click on the Select... button on the org.any-school-district.SelfServiceApplication row.	The Proxied Application Maintenance page should open with the Proxied Application Id field populated with org.any-school-district.SelfServiceApplication. The field should be disabled. The "Targets this Application can Send Requests to" tab should have zero targets listed.		
112 Click on the Proxy Consumers for this Application tab	The tab should become active and there should be one consumer listed name "org.any-school-district.SelfServiceApplication-Consumer"		
113 Select the org.any-school-district.SelfServiceApplication-Consumer and click the Edit... button (or just double click on the consumer)	The Consumer Details page should open and the Destination field should be populated with "cn=org.any-school-district.SelfServiceApplicationQueue"		
114 Change the Destination to: cn=SelfServiceAppProxyQueue and click on the Save Changes button toward the top right portion of the screen	A system message should appear indicating the the changes were saved successfully.		
115 Click on the Back button	You should be returned to the Proxied Application Maintenance page. The Targets this Application can Send Requests to tab should be active.		
116 Click on the New... button below the empty list of Targets	The Add Proxy Target page should open and the org.any-school-district-ErpConnector should be one of the applications in the list.		
117 Click on the Select... button on the org.any-school-district.ErpConnector row.	The Select Target Proxy Rules page should open and there should be several message objects listed. The com.any_erp_vendor.moa.jmsobjects.person.v1_0.BasicPerson should be one of the objects listed.		
118 Click on the Get Actions button on the BasicPerson object row.	The Selected Message object should change to com.any_erp_vendor.moa.jmsobjects.person.v1_0.BasicPerson and the list of actions should be populated with the following potential actions: - Query - Create - Update - Delete - Generated All check boxes should be un-checked		
119 Check/select the check box for: Query, Create, Update and Delete and click on the Finish button toward the top right portion of the screen.	You should be returned to the Proxied Application Maintenance page. The Targets this Application can Send Requests to tab should be active and the org.any-school-district.ErpConnector target that you just added should be listed.		
120 Click on the Home link across the top of the page.	You should be returned to the Proxy Service tab and the org.any-school-district.SelfServiceApplication should be listed in the list of Proxied Applications.		
121 Click on the Stop button and follow the instructions to stop the Proxy.			
122 Once the Proxy has been stopped, click on the Start button on the Proxy Service tab and follow the instructions to restart the proxy with the new rules that you just added in place.			
123 Re-activate the already running Self Service Application GUI.			
124 With the Institutional Id field still set to 16, click on the Query button again	This time, instead of getting a time out error, you should get a message indicating that no rows were found for that id.		
125 Populate the First Name, Last Name, Gender and Birth Date fields and click on the Create button	You should get a message indicating the the person was successfully created.		

	ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
126	Change some of the person's information (like name or gender) and click on the Update button.	You should get a message indicating that the update was successful.		
127	Click on the Delete button	You should get a message indicating that the delete was successful.		
128	Click on the Query button	This time, instead of getting a time out error, you should get a message indicating that no rows were found for that id.		
129	Minimize the Self Service Application GUI (but don't close it) and go back to the Console browser page.			
130				
131	Change allowable actions associated to the SelfServiceApplication and verify that it can only perform the listed actions			
132	On the Proxy Service tab, select the org.any-school-district.SelfServiceApplication and click on the Edit... button (or just double click it).	The Proxied Application Maintenance page should open and the org.any-school-district.ErpConnector target should be listed.		
133	Double click on the org.any-school-district.ErpConnector	The Select Target Proxy rules page should be opened.		
134	Click on the Get Actions... button on the com.any_erp_vendor.moa.jmsobjects.person.v1_0.BasicPerson row	The Selected Message object should change to com.any_erp_vendor.moa.jmsobjects.person.v1_0.BasicPerson and the list of actions should be populated with the following potential actions: - Query - Create - Update - Delete - Generated All check boxes should be checked except for the Generate action		
135	Un-check the Delete action and click on the Finish button toward the top right portion of the page.	The Proxied Application Maintenance page should open and the org.any-school-district.ErpConnector target should be listed.		
136	Click on the Home link across the top of the page.	You should be returned to the Proxy Service tab/page.		
137	Click on the Stop button and follow the instructions to stop the Proxy.			
138	Once the Proxy has been stopped, click on the Start button on the Proxy Service tab and follow the instructions to restart the proxy with the new rules that you just added in place.			
139	Re-activate the already running Self Service Application GUI.			
140	With the Institutional Id field still set to 16, click on the Query button again	You should get a message indicating that no rows were found for that id.		
141	Populate the First Name, Last Name, Gender and Birth Date fields and click on the Create button	You should get a message indicating the the person was successfully created.		
142	Change some of the person's information (like name or gender) and click on the Update button.	You should get a message indicating that the update was successful.		
143	Click on the Delete button	In the "Results From Action" text area at the bottom of the page, you should get a message from the Proxy indicating that the "Application org.any-school-district.SelfServiceApplication does not have authority to perform Delete actions on BasicPerson objects."		
144	Click on the Query button	The person information should be returned.		
145	Minimize the Self Service Application GUI (but don't close it) and go back to the Console browser page.			
146				
147	Test LMS Connector			
148	Open a web browser and go to the URL http://localhost:8080. This initialization may take 30 seconds or more	Sakai is loaded in the web browser window		
149	Enter developer for the user id box and developer in the password box and click login	Sakai reports "Alert: invalid login".		
150				
151	Test uPortal			
152	Open a web browser and go to the URL http://localhost:8080/uPortal. This initialization may take 30 seconds or more	uPortal is loaded in the web browser window		
153	Enter deve10per in the Name: box and deve10per in the Password: box	uPortal returns a new presentation, window which contains "Welcome Developer" in the upper right and "Portlet User ID: 16" in the Self Service Example window		
154				
155	Test the LMS Connector integration			
156	Make the Sakai browser window the active window. Enter developer for the ID and developer for the password.	Login is successful.		

	ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
157	Click the Account link from the navigation bar	User information created by the LMS connector is displayed		
158				
159	Test a Self Service update and view the result in the MySQL warehouse tables			
160	Make the SelfService Application the active window, Institutional ID (or Institutiona...) enter 16 and click the Query button	In the Results From Action box it should read "<BasicPerson><InstitutionalId>16</InstitutionalId><Name><LastName>User</LastName><FirstName>Developer</FirstName></Name></BasicPerson>"		
161	Enter z in the text box labeled Middle Name and click the Update button	In the Results From Action box it should read "Update was successful."		
162	Open the MySQL Control Center (Start > Programs > MySQL Control Center > MySQL Control Center	MySQL Control Center should open		
163	Choose Connect. A dialog box will open. Enter localhost for the Name and for the Host Name. The Password should be blank. The Port should be 3306. Click Add (or OK)			
164	Double-click on "Databases" in the left control center window to expand the tree	A list of databases should be displayed		
165	Double-click on "anyerp" in the left control center window	"Tables" should be displayed under "warehouse"		
166	Click on the plus sign to the left of "Tables"	The table "t_erp_data" should be displayed under "Tables"		
167	Double-click on t_erp_data and view the data in the table	There should be one row, beginning with an QUERY_DATA_OBJECT of "16"		
168				
169	Update a person and view results in MySQL warehouse tables			
170	Make the Any OpenEAI Enterprise Self Service Application Java application window the active window			
171	Enter zed in the text box labeled Middle Name and click the Update button	In the Results From Action box it should read "Update was successful."		
172	Make the MySQL Control Center window the active window			
173	Choose Query > Execute from the menu bar	The same row should display, with MIDDLE_NAME "Zed"		
174				
175	Observe query processing log messages			
176	<i>For the following set of steps, please note the time located in the Windows XP Start Bar.</i>			
177	At the top of the window in the box labeled Institutional ID (or Institutiona...) enter 16 and click the Query button			
178	Make the uPortal browser window the active window			
179	Change the middle name to alpha and click the Update Basic Person Info button.			
180	Make the Any OpenEAI Enterprise Self Service Application Java application window the active window			
181	Make sure 16 is entered in the box labeled Institutional ID (or Institutiona...), then click the Query button	The middle name "Alpha" should be displayed		
182	Make the Console browser the active window and navigate back to the General page, if not already there			
183	Click on the Logs button	the Logger Matanice page should open displaying a list of all the available logs.		
184	Click on the ErpConnector.log and the ProxyService.log	Two new windows should open display log information		
185	Scroll to the bottom of the ErpConnector.log, there will be a time stamp close to the time you noted	There should be a series of logs similar to the following : - [Time Stamp] INFO [Thread- some number] P2PConsumer1 - Handling request 12 in RequestTransaction thread - [Time Stamp] INFO [Thread- same number] - Attempting to update BasicPerson record - [Time Stamp] INFO [Thread- same number] - Updated BasicPerson record - [Time Stamp] INFO [Thread- same number]- Publishing 'BasicPerson-Update-Sync' message		
186				
187	Observe synchronization processing log messages			
188	Make the Any OpenEAI Enterprise Self Service Application Java application window the active window			
189	Change the last name to superuser and click the Update button.	Result from Action: Update was successful.		
190				
191	LDAP synchronization test			
192	Open a Command Prompt window, make ESB_HOME2 the current directory, and type startldapclient	JXplorer 3.0 will start		
193	Choose File > Connect, enter localhost as the Host	The entry for organization Any OpenEAI Enterprise will display		

	ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
194	Under Use a Template, select the template for openeai-developer, enter developer as the password in the Security section, and click OK	Host information will load		
195	Click on the plus signs to the left of "People" and "Examples", then click on the entry for "developer"	The entry for inetOrgPerson "Developer Superuser" will display		

	ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
196	Make the uPortal browser window the active window			
197	Logout of uPortal by clicking the Logout button at the upper right part of the screen	The "Welcome Guest" presentation should be displayed		
198	Log back in to uPortal. Enter <code>developer</code> in the Name: box and <code>developer</code> in the Password: box	uPortal returns a new presentation, window which contains "Welcome Developer" in the upper right and "Portlet User ID: 16" in the Self Service Example window		
199	In uPortal, change the last name to <code>Megasuperuser</code> and click the Update BasicPerson button.			
200	Make the JXplorer LDAP client window the active window, and refresh the entry for the user "developer" by clicking on "Examples" and then back on "developer"	The update entry for inetOrgPerson "Developer Megasuperuser" will display		
201	Make the Sakai browser window the active window			
202	Click the Account link from the navigation bar	User information is displayed and "Megasuperuser" is the last name		
203				
204	Password synchronization test			
205	Make the uPortal browser window the active window			
206	Enter <code>developer</code> in the Old password: box, and <code>developer33</code> in the New password: and Confirm new password: boxes, then click on the Change Password button. View the log messages in the DirectoryServiceConnector.log	Scroll to the bottom of the log and you will see logs similar to the following: 2006-07-05 10:38:05,687 INFO [Thread-40] - [PasswordSyncCommand.execute] Received a(n) org.any-openeai-enterprise.CoreApplication.EnterpriseUserPassword.Update-Sync (release 1.0) message. 2006-07-05 10:38:06,656 INFO [Thread-40] - [PasswordSyncCommand.execute] Modified the userPassword attribute for user uid=developer,ou=Examples,ou=People,dc=any-openeai-enterprise,dc=org. 2006-07-05 10:38:06,656 INFO [Thread-40] - DirectoryServiceConsumer1 - Done with MessageTransaction 6		
207	Logout of uPortal by clicking the Logout button at the upper right part of the screen	The "Welcome Guest" presentation should be displayed		
208	Log back in to uPortal using <code>developer</code> in the Name: box and <code>developer</code> in the Password: box - this should now fail	The uPortal window will return the message: "The user name/password combination entered is not recognized. Please try again."		
209	Log back in to uPortal using <code>developer</code> in the Name: box and <code>developer33</code> in the Password: box	uPortal returns a new presentation, window which contains "Welcome Developer" in the upper right and "Portlet User ID: 16" in the Self Service Example window		
210	Enter <code>developer33</code> in the Old password: box, and <code>developer44</code> in the New password: and Confirm new password: boxes, then click on the Change Password button. View the log messages in the DirectoryServiceConnector.log	Scroll to the bottom of the log and you will see logs similar to the following: 2006-07-05 10:42:05,687 INFO [Thread-44] - [PasswordSyncCommand.execute] Received a(n) org.any-openeai-enterprise.CoreApplication.EnterpriseUserPassword.Update-Sync (release 1.0) message. 2006-07-05 10:42:06,656 INFO [Thread-44] - [PasswordSyncCommand.execute] Modified the userPassword attribute for user uid=developer,ou=Examples,ou=People,dc=any-openeai-enterprise,dc=org. 2006-07-05 10:42:06,656 INFO [Thread-44] - DirectoryServiceConsumer1 - Done with MessageTransaction 9		
211	Make the JXplorer LDAP client window the active window, and log out by clicking on File > Disconnect			
212	Choose File > Connect, enter <code>developer</code> as the password, and click OK	The LDAP client will display an error dialog box with a message regarding "Invalid Credentials"		
213	Choose File > Connect, enter <code>developer44</code> as the password, and click OK	The entry for organization Any OpenEAI Enterprise will display		
214	Make the Sakai browser the active window and select the Logout link			
215	Log back in to Sakai using <code>developer</code> in the Name: box and <code>developer44</code> in the Password: box	Login is successful.		
216				
217	View synchronization message logs in MySQL			
218	Make the MySQL Control Center window the active window			
219	Navigate to the "logservice" database, expand the "Tables" entry, and double-click on the table "logged_message"	A query window should open with many rows beginning with primary key LOGGED_MESSAGE_ID		

	ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
220	Note the data logged for each synchronization message, including the full XML of the message in the MESSAGE column, the target application in the SENDER_APPL_ID column, and other information useful for tracking down and republishing messages.			
221	Note: ALL synchronization messages are logged			
222				
223	Change Greeting Service Application			
224	Using the IDE of your choice open the GreetingRequestCommand.java file located at C:\toolkit-examples-2.0\source\org\any_openeai_enterprise\services\legs\commands			
225	Navigate down to line 408	greeting.setText("Hello, " + greetee.getFullName() + ", good friend!");		
226	Change this line to read: greeting.setText("Hello, " + greetee.getFullName() + ", good friend!");			
227	Open a command prompt window			
228	Type in build and hit enter	The build file executes ant to run the build.xml file. Once complete you will see a build successful and some number of seconds that it took to complete		
229	Make the Windows Explorer window the active window			
230	Navigate to C:\toolkit-examples-2.0\source\build\lib			
231	Right click the any_openeai_enterprise_service.jar and select copy			
232	Navigate to C:\toolkit-examples-2.0\configs\messaging\Environments\Examples\Jars\4.0			
233	Right click on the right hand side of the window and click paste	Click Yes to overwrite existing jar file		
234	Make the Console window the active window			
235	If not on the Home page and General tab - navigate to there			
236	Click on the org.any-school-district.GreetingService in the App Id column			
237	Stop and restart this application following the Console instructions			
238	After the GreetingService has been restarted, from the General page select the org.any-school-district.GreetingApplication from the App Id column			
239	Click on Start to start this application - follow the Console instructions to complete the start			
240	Once the application has completed; click on the Logs tab in the middle right of the screen on the org.any-school-district.GreetingApplication page			
241	Click on the GreetingApplication.log file	The log file opens in a new window with your default application used to view a log file		
242	Scroll down to the bottom of this log file and you will see the changes that you have made	,good friend! will now be added at the end of of the data that was processed		
243				
244				
245	Start File To Message Publisher testing			
246	Using Windows Explorer navigate to: C:\toolkit-examples-2.0\configs\messaging\Environments\Examples\InputFiles\LegacyFileConnector	Make sure that there are 2 files named: - LegacyPersonFileOutbound.1.txt - LegacyPersonFileOutbound.2.txt		
247	Make the Console Application in Internet Explorer the active window			
248	If the Core Services are not start them using the Console - follow the Console instructions to start the Core Services			
249	Once the Core Services have started click the Okay button	You will be taken back to the Home page and should be on the General tab; the Services tabs will now be in green .		
250	Follow the org.any-school-district.LegacySystemFileConnector link (i.e., click on the link)	The Application Details page should open.		
251	Click on the Start button toward the middle of the page to start the application	The Confirm Selected Action page should open which asks you to confirm the action you just selected. In this case, the org.any-school-district.LegacySystemFileConnector application should show in the list of "Selected applications:"		
252	Click on the Yes button	The Please Wait page should open and the animated clock should indicate that work is in progress. Once the applications have been started, the the Request Actions Complete page should open and there should be a System message that lists the successful start of all the selected applications * org.any-school-district.LegacySystemFileConnector was successfully started		
253	Click on the Okay button	You should be returned to the Application Details page. The status of the application should be Running		
254	Click the Logs tab			

	ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
255	Select the LegacySystemFileConnector.log link	The log file opens in a new window; the last line of the file should read: Initialization complete for Application named: org.any-school-district.LegacySystemFileConnector		
256	Close the log file	You should be returned to the Application Details page.		
257				
258	If you're not on the General page, navigate back to the General page.			
259	Follow the org.any-school-district.LegacyFileToMessagePublisher link (i.e., click on the link)	The Application Details page should open.		
260	Click on the Start button in the middle of the screen	The Confirm Selected Action page should open which asks you to confirm the action you just selected. In this case, the org.any-school-district.LegacySystemFileConnector application should show in the list of "Selected applications:"		
261	Click on the Yes button	The Please Wait page should open and the animated clock should indicate that work is in progress. Once the applications have been started, the the Request Actions Complete page should open and there should be a System message that lists the successful start of all the selected applications * org.any-school-district.LegacyFileToMessagePublisher was successfully started		
262	Click on the Okay button	You should be returned to the Application Details page. The status of the application should be Running		
263	Click the Logs tab			
264	Select the LegacySystemFileConnector.log link	The log file opens in a new window and you will see: The file: /toolkit-examples-2.0/configs/messaging/Environments/Examples/InputFiles/LegacyFileConnector/LegacyPersonFileOutbound.txt does not exist but but I'm configured to ignore that fact 5 times. I've ignored the missing file 1 times.		
265	Close the log file	You should be returned to the Application details page		
266				
267	Make Windows Explorer the active window			
268	Navigate to: C:\toolkit-examples-2.0\configs\messaging\Environments\Examples\InputFiles\LegacyFileConnector	Make sure that there are 2 files named: - LegacyPersonFileOutbound.1.txt - LegacyPersonFileOutbound.2.txt		
269	Right click on the LegacyPersonFileOutbound.1.txt	A drop down menu/list appear for different options to edit the file		
270	Select the Rename option	This highlights the LegacyPersonFileOutbound.1.txt filename for you to rename		
271	Using your mouse or arrow keys move your cursor to the right of the "1" and remove the ".1" and hit Enter	Your file will go from LegacyPersonFileOutbound.1.txt to LegacyPersonFileOutbound.txt		
272				
273	Make the Console Application in Internet Explorer the active window			
274	If you're not on the General page, navigate back to the General page.			
275	Follow the org.any-school-district.LegacyFileToMessagePublisher link (i.e., click on the link)	The Application Details page should open.		
276	Click on the Logs tab in the middle of the screen	The log files should be displayed		
277	Select the LegacySystemFileConnector.log link	A new browser window should open that displays the content of the log file that you selected. NOTE: you may need to modify your browser settings to allow it to open pop-ups or to open content with an extension of .log. If you've associated files of type .log to some other program (e.g., Notepad) the log file may open with that program instead of the browser.		
278		At the top of the log file you should see the test plan was run and the Publish-Sync messages were sent/published.		

ACTION	EXPECTED RESULTS	TEST RESULT	COMMENTS
279 Scroll down to somewhere near the bottom of the log file	You should see a line that says: Publishing a 'BasicPerson-Create' Sync message. Inserting BasicPerson baseline record. Inserted BasicPerson record, return code = 1 Publishing 'BasicPerson-Create-Sync' message		
280 Close the log file	You should be returned to the Application details page		
281			
282 Make Windows Explorer the active window			
283 Navigate to: C:\toolkit-examples-2.0\configs\messaging\Environments\Examples\InputFiles\LegacyFileConnector	You will now see that the file you renamed has been renamed by the application to LegacyPersonFileOutbound.txt. current date and time added to the end of the file name.		
284			
285 Repeat Steps 89 - 102 but remove the ".2" from the text file	Your file will go from SampleLasExtractFile.2.txt to SampleLasExtractFile.txt		
286			
287 Make the Console Application in Internet Explorer the active window			
288 Click on the Home link toward the top left side of the page	You should be returned to the General page.		
289 Click the Logging Service tab			
290 Click the Reports/Utilities tab in the middle of the page			
291 Click on the View Logged Messages Link	The Logged Messages window is opened		
292 Enter into the query window: SELECT * FROM t_logged_message where SENDER_APPL_ID = 'org.any-school-district.LegacyFileToMessagePublisher' and click the Apply button	The query is ran and you can now see all the messages that were logged with the application you just ran. You may also select all the data from the Message column of one of the rows and paste that into your preferred IDE to view the messages that were produced.		
293 If you're not on the General page, navigate back to the General page.			
294 Select the Stop All button towards the top of the page	The Confirm Selected Action page should open which asks you to confirm the action you just selected. - com.openii.SyncRouter - com.openii.RequestProxy - com.openii.LoggingService - org.any-school-district.LegacySystemFileConnector		
295 Click on the Yes button	The Please Wait page should open and the animated clock should indicate that work is in progress. Once the applications have been stopped, the the Request Actions Complete page should open and there should be a System message that lists the successful stop of all the selected applications (the ones listed above in this case) * com.openii.SyncRouter was successfully stopped * com.openii.RequestProxy was successfully stopped * com.openii.LoggingService was successfully stopped * net.lausd.LasFileToMessagePublisher was successfully stopped * net.lausd.SyncVerification-LasFileToMessagePublisher was successfully stopped		
296 Click on the Okay button	You should be returned to the General page. The General, Routing Service, Proxy Service and Logging Service tabs should now be red.		