# Lab 16 HTTP and WebSphere MQ Security Lab

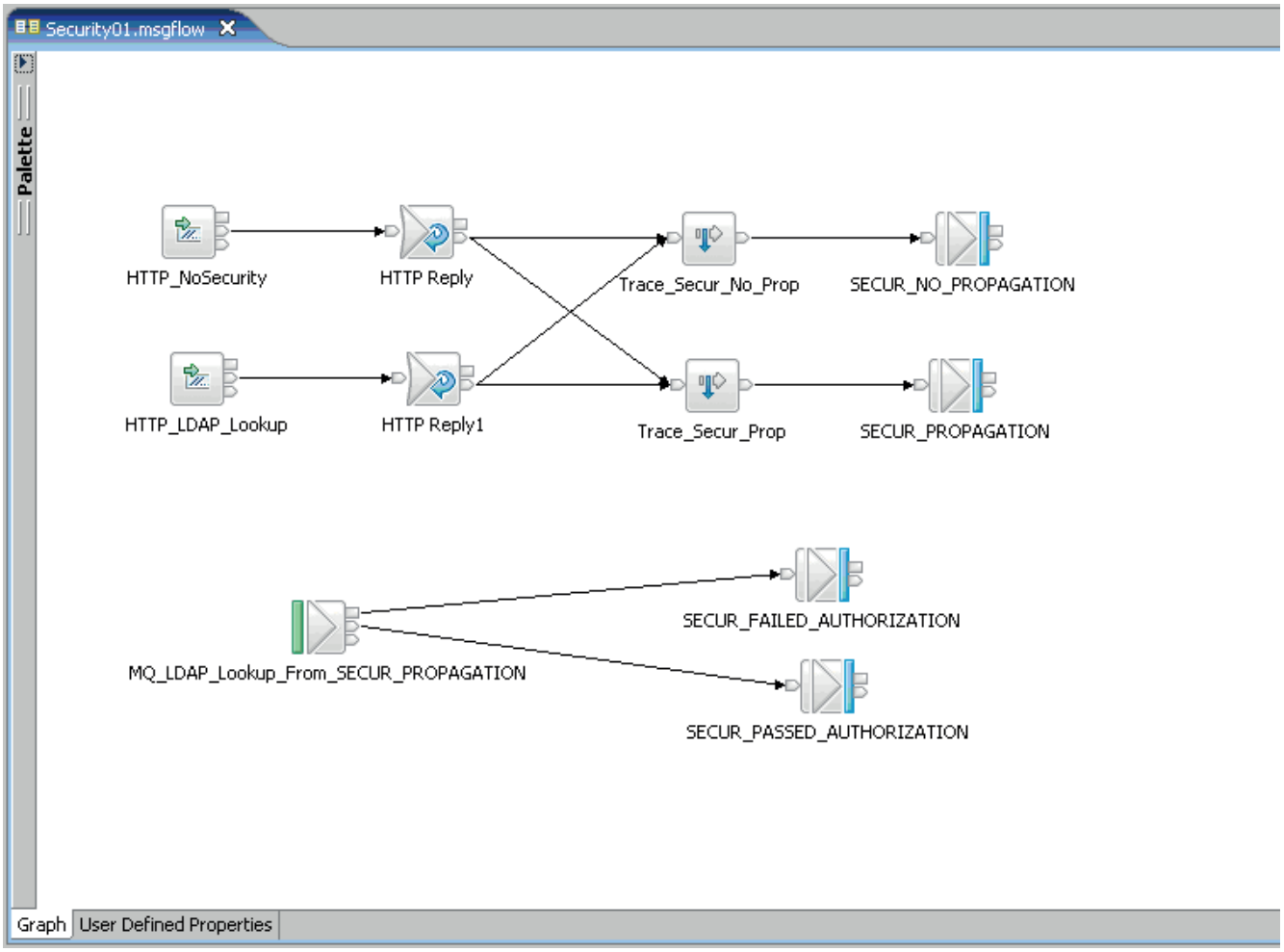
## 16.1 Overview

This lab will demonstrate LDAP authentication and authorization within a message flow via an HTTPInput node, authorization via an MQInput node and identity (userid) propagation. The message flow, shown below, is provided as well as a “ready to deploy” bar file.

You will also see how your WebSphere Message Broker artifacts can be imported from a Project Interchange File (PIF). You can also use the corresponding export function to create a .pif.

A V3 LDAP server (Tivoli Directory Server) is provided in the PoT image and the WebSphere Message Broker has been configured with a pair of LDAP security profiles. One part of the lab is to view these two profiles, as described in the lecture. A pair of test files is provided for the testing phase. Also, a detailed description is included on how the message flow was built and how the bar file was configured to use the Security Profiles.

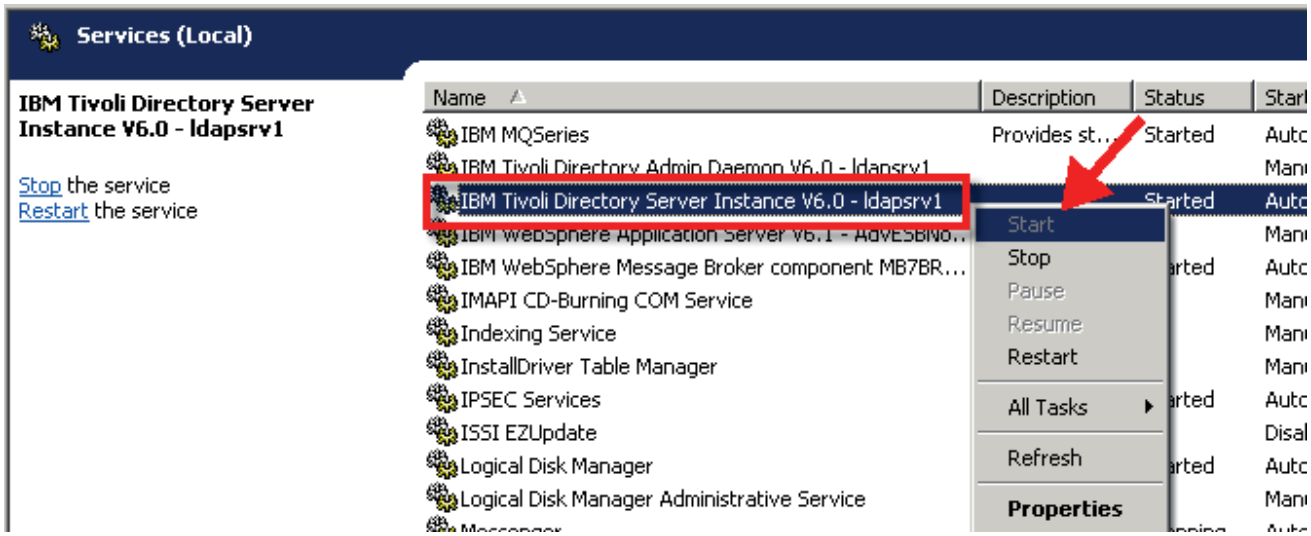
**Note:** A Security Sample is provided in the WebSphere Message Broker Toolkit that shows additional ways to work with the security options.




Checking LDAP Server Status

This Lab interfaces with an LDAP server. We are using the Tivoli Directory Server for this purpose. In this environment it is running as a Windows Service. We need to make sure that it is started.

__1. Launch the Windows services applet using the icon in the tray as indicated above.

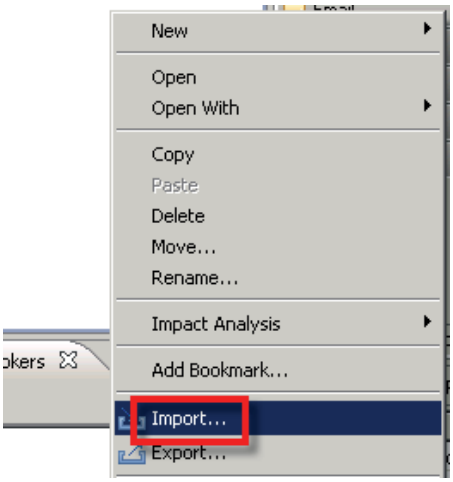



__2. Scroll down and locate the Tivoli Directory Server Instance (not the Daemon).

__3. If the server instance is not running right click on the Server Instance and select Start. Note that the above screen shots show the LDAP server as already being started.

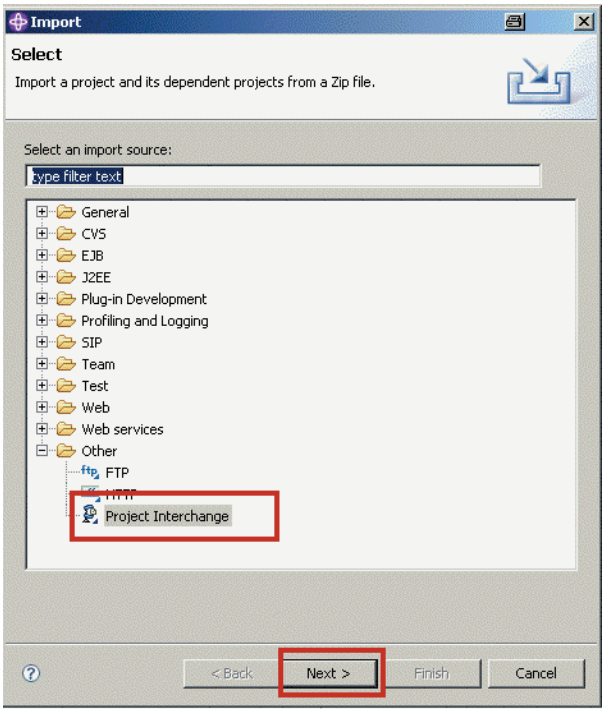
__4. Close the services applet.

## 16.2 Importing the Message Flow




__5. In the navigator pane right-click in the whitespace.

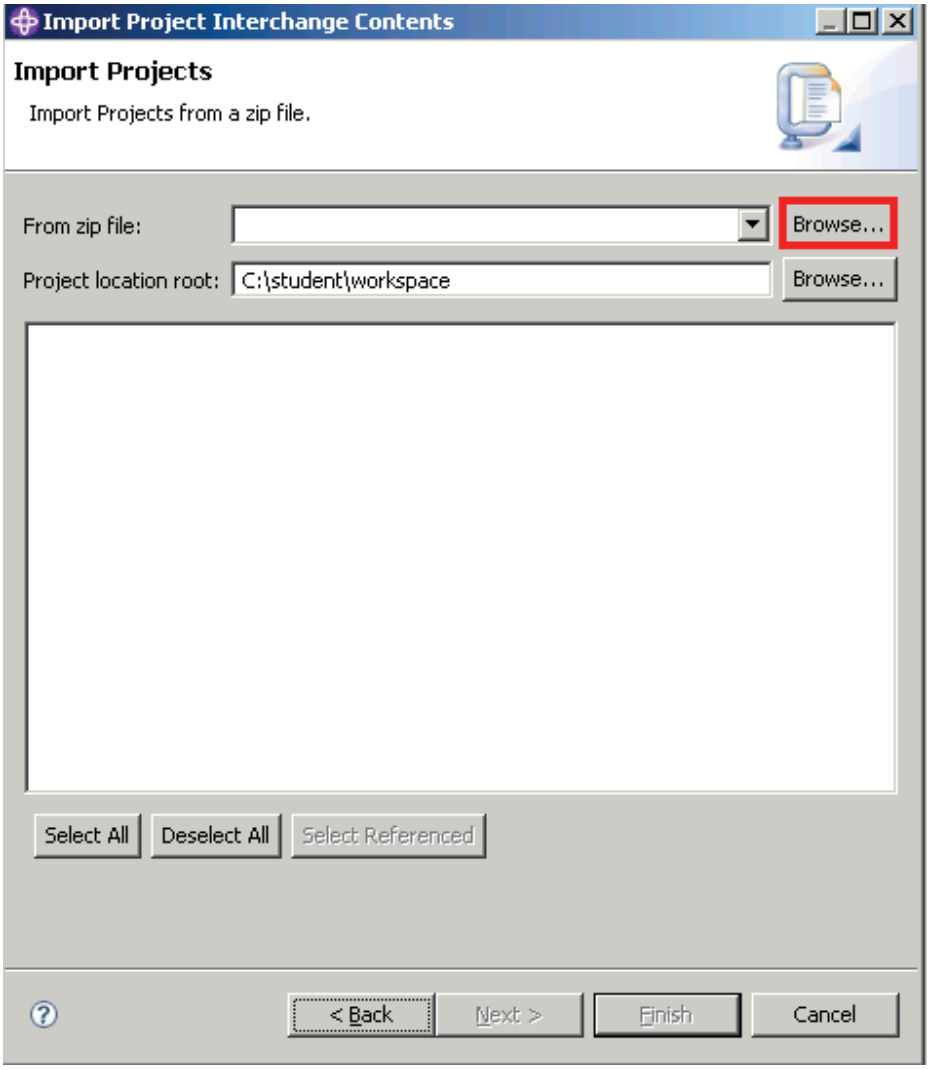
__6. Select **Import** from the menu.



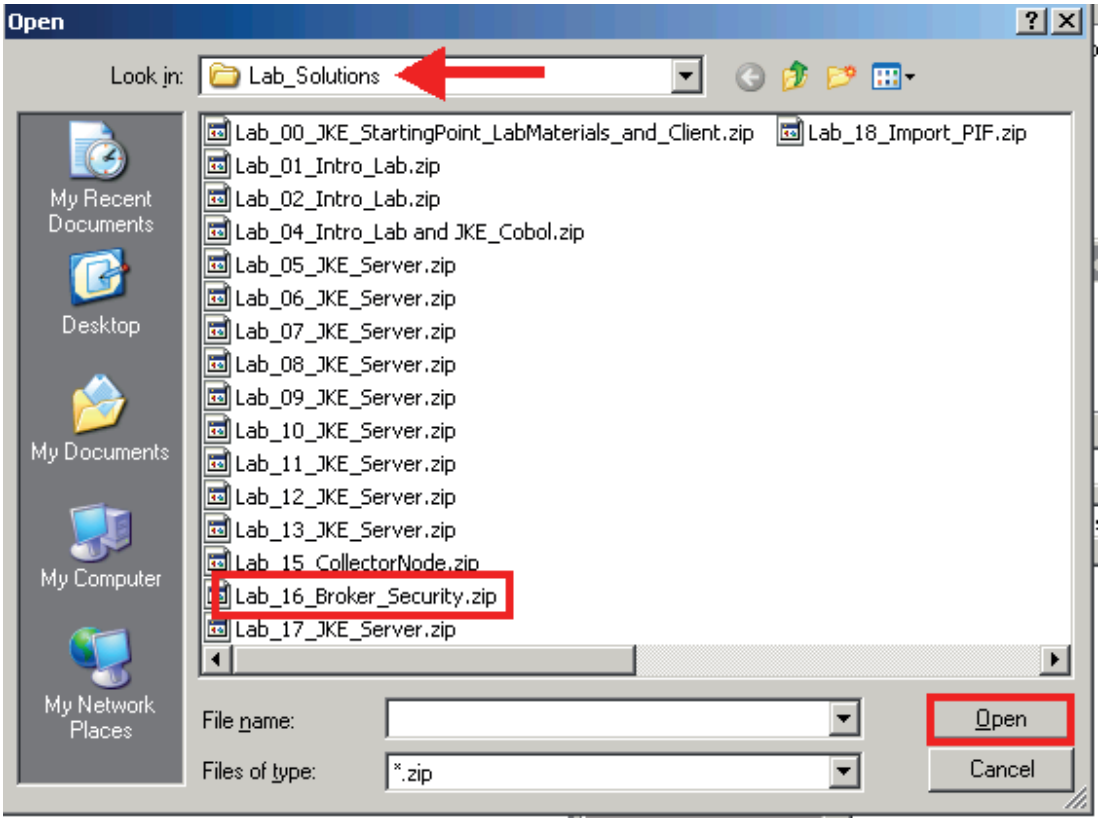

__7. If necessary, expand the **Other** category.

__8. Select **Project Interchange**.

__9. Click **Next**.



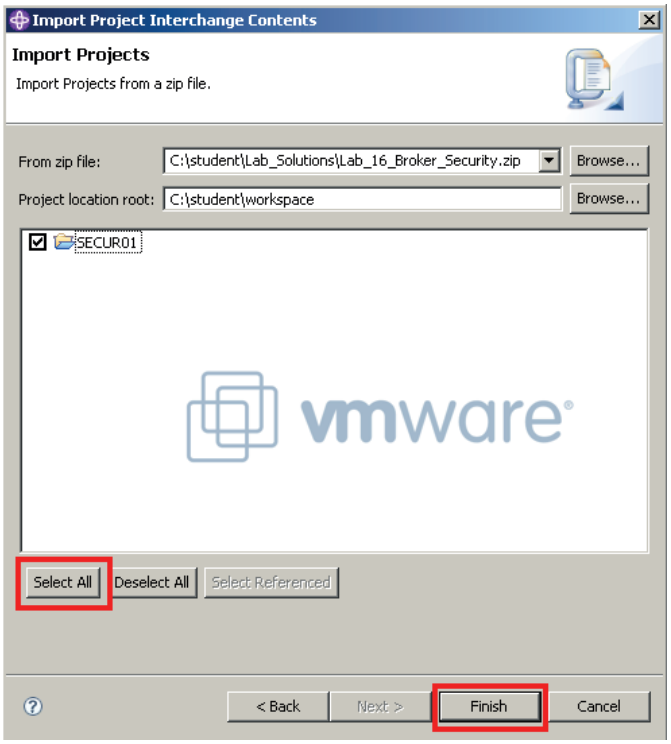

__10. Click **Browse**.




__11. Navigate to the **C:\Student\Lab_Solutions** directory.

__12. Select the **Lab_16_Broker_Security.zip**.

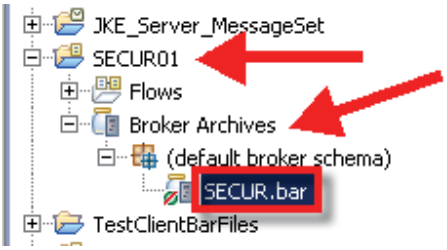
__13. Click **Open**.




There is a single Message Flow Project.

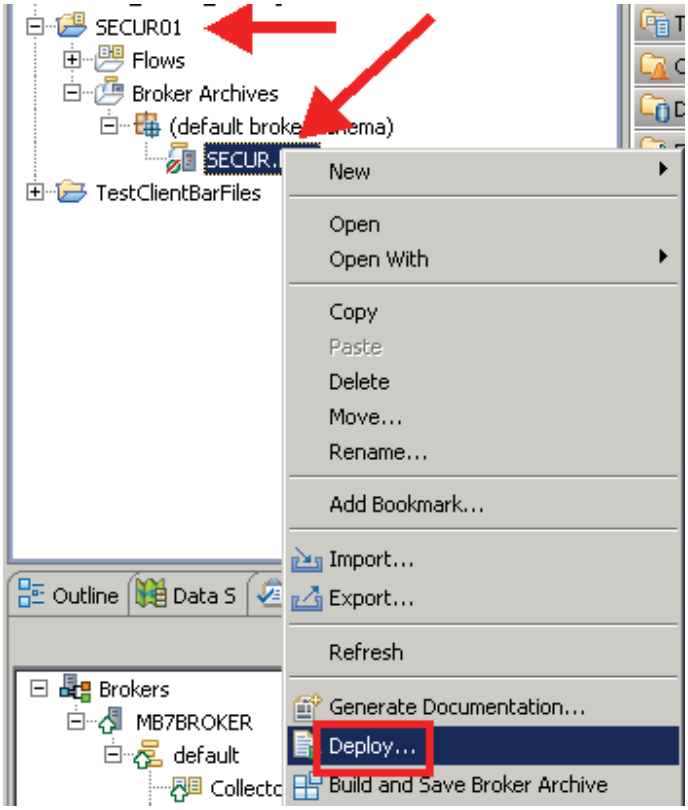
__14. Click **Select All.**

__15. Click **Finish.**



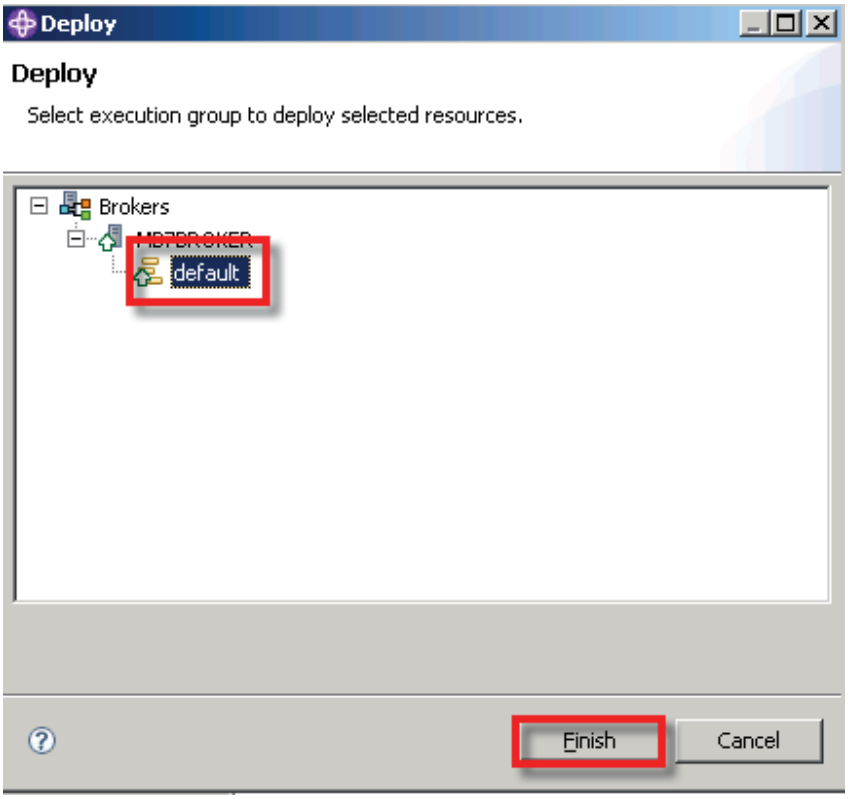

__16. Expand the **SECUR01** message flow project.

__17. Expand the **Broker Archives->(default broker schems)** folders.



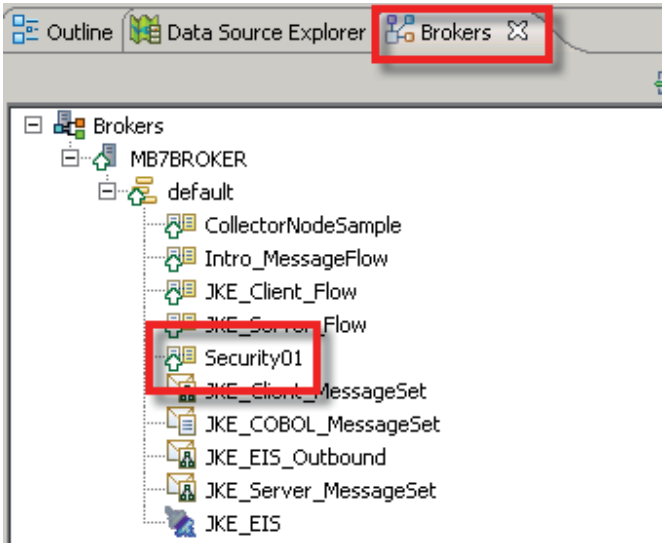

__18. Right-click on **SECUR.bar**.

__19. Select **Deploy File** from the menu.



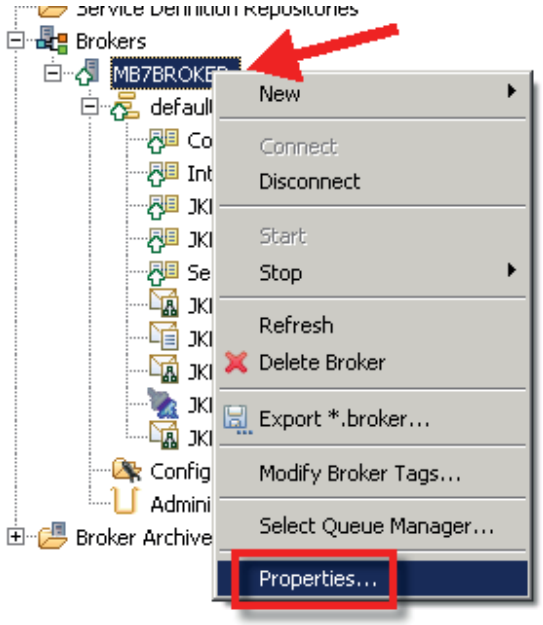

__20. Select the **default** execution group.

__21. Click **Finish.**




__22. When the deploy process is completed, the **Security01** message flow should appear on the **Brokers** tab.

Note: You will have other artifacts deployed in your execution group.



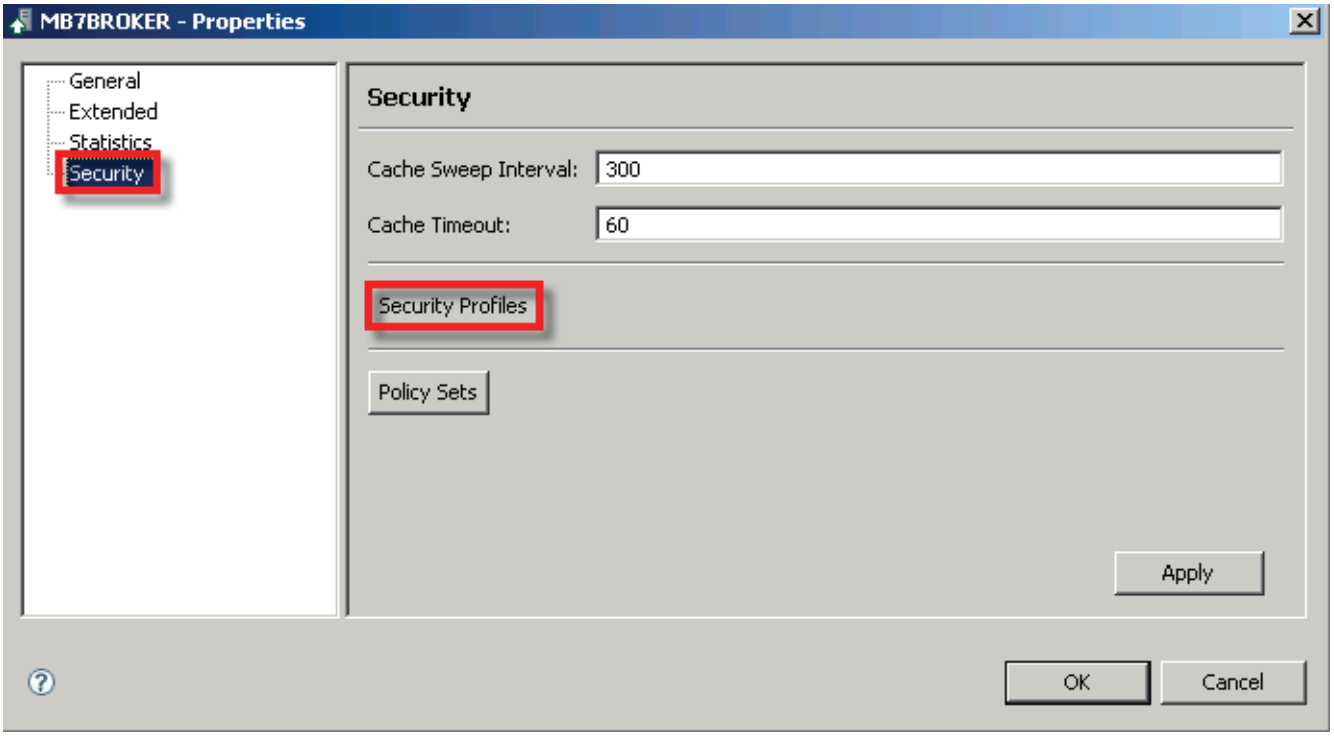

Two security profiles have already been defined. The WebSphere MQ Explorer will be used to view the Security Manager profiles.

__23. Switch to the WebSphere MQ Explorer.

__24. Select the **MB7BROKER** broker.

__25. Press the right mouse button.

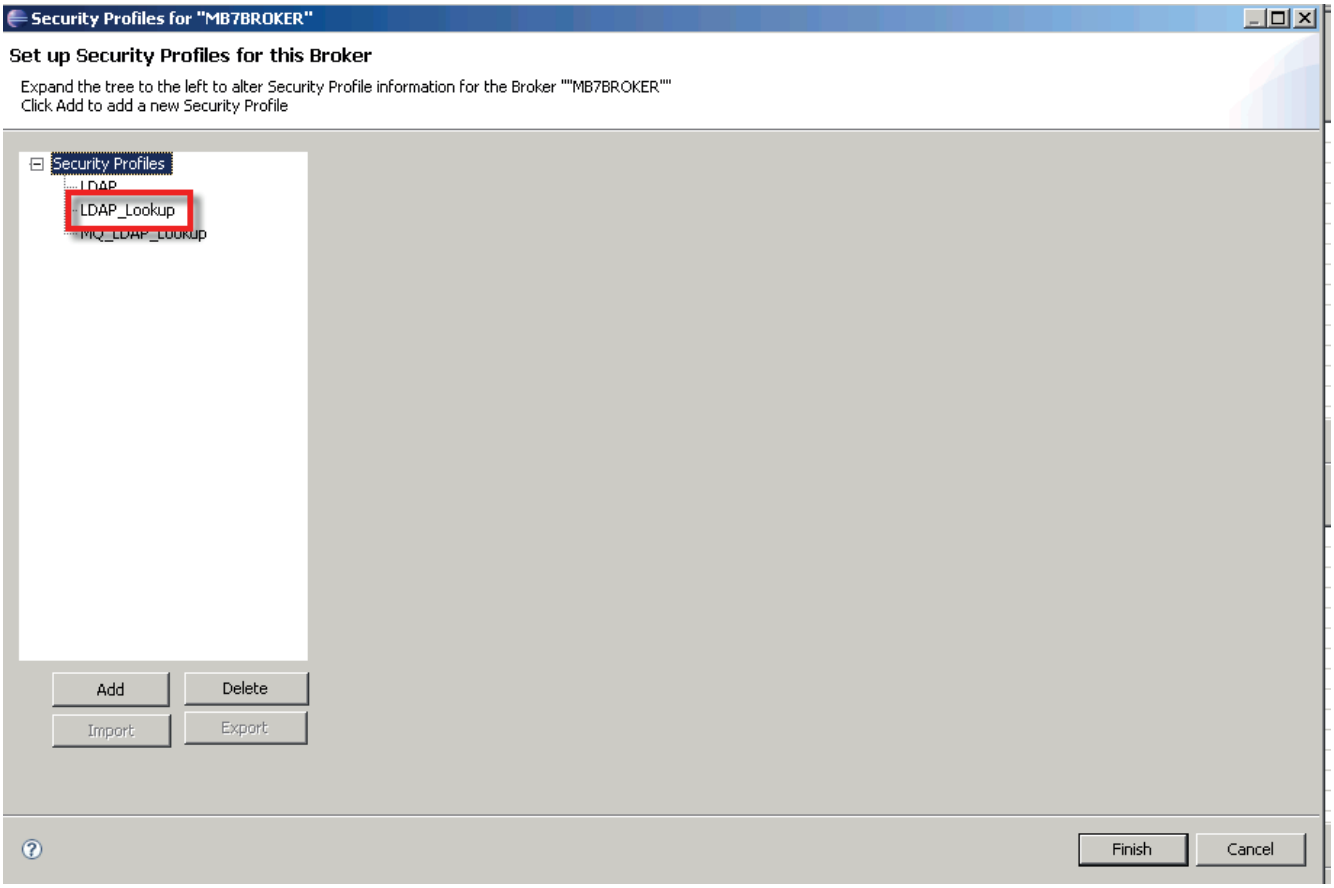
__26. Select **Properties** from the menu.




__27. Select the **Security** tab.

__28. Press the **Security Profiles** button.

The information is obtained from the running broker.




The three profiles are **LDAP, LDAP_Lookup** and **MQ_LDAP_Lookup**. The first profile was used in the WS-Security lab. The other two profiles will be used in this lab.

__29. Select the **LDAP_Lookup** to display the properties of the profile.

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：https://d.book118.com/228040126052006123