Configure user repository and enable security for WebSphere[®] Application Server

and

WebSphere Partner Gateway

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What this exercise is about

The objective of this lab is to provide step by step instructions for installing and configuring IBM Tivoli Directory Server (LDAP).

List of software required for the student to complete the lab:

- WebSphere Application Server V6.1 Network Deployment Installed
- WebSphere Partner Gateway Server V6.1 Installed
- IBM DB2[®] UDB ESE 8.2 or higher installed
- IBM Tivoli[®] Directory Server V6.0

What you should be able to do

At the end of this lab you should be able to:

• Configure users in the Tivoli Directory Server (LDAP) server and configure security for WebSphere Application Server and WebSphere Partner Gateway Components

Exercise instructions

Some instructions in this lab may be Windows[®] operating-system specific. If you plan on running the lab on an operating-system other than Windows, you will need to run the appropriate commands, and use appropriate files (.sh vs. .bat) for your operating system. The directory locations are specified in the lab instructions using symbolic references, as follows:

Reference Variable	Windows Location	Linux® Location
<db2_home></db2_home>	C:\IBM\SQLLIB	/opt/IBM/SQLLIB
<wpg_home></wpg_home>	C:\IBM\WPG61	/opt/IBM/WPG61
<wpg_hub_simple_home></wpg_hub_simple_home>	C:\IBM\WPG61\wpghubsimple	/opt/IBM/WPG61/wpghubsimple
<wpg_hub_distr_home></wpg_hub_distr_home>	C:\IBM\WPG61\wpghubappsprofile	/opt/IBM/WPG61/wpghubappsprofile
<wpg_appsdb_home></wpg_appsdb_home>	C:\IBM\WPG61\wpgappsdb	/opt/IBM/WPG61/wpgappsdb
<wpg_masdb_home></wpg_masdb_home>	C:\IBM\WPG61\wpgmasdb	/opt/IBM/WPG61/wpgmasdb
<was_home></was_home>	C:\IBM\WAS61	/opt/IBM/WAS61
<ldap_install_images></ldap_install_images>	C:\download\LDAP60\unzip	/opt/download/LDAP60/unzip
<lab_files></lab_files>	C:\WPG61Labfiles	/tmp/WPG61Labfiles
<temp></temp>	C:\temp	/tmp

Windows users' note: When directory locations are passed as parameters to a Java[™] program such as EJB[™] deploy or wsadmin, it is necessary to replace the backslashes with forward slashes to follow the Java convention.

Part 1: Configure Tivoli Directory Server user repository with WebSphere Partner Gateway users

1. Stop the Tivoli Directory Server if it is already started. To stop the IBM Tivoli Directory Server from the Windows Services by right clicking on "IBM Tivoli Directory Server Instance V6.0".

🖏 Services 📃 🗆 🗙				
<u>File Action View</u>	v <u>H</u> elp			
⇔ → 💽 🖻	1 🗄 😫 🕨 ■ 🗉 🖦			
🦓 Services (Local)	Name 🛆	Description	Status	Startup Type 📃 🔺
	Sevent Log	Enables ev	Started	Automatic
	Sile Replication	Allows files		Manual
	🏶 Help and Support	Enables He	Started	Automatic
	SSL SSL	This servic		Manual
	Sector Access 4 March 20 March	Enables ge		Disabled
🦓 IBM Tivoli Directory Admin Daemon V6.0 - idsldap			Started	Automatic
	BM Tivoli Directory Server Instance V6.0 - idsldap	Charle	Sharted	Manual
	Warning COM Service	<u>D</u> tarc		Disabled
	Service	Stop		Disabled
	Sintersite Messaging	Pause		Disabled
	We IPSEC Services	Resume	ted	Automatic
	Kerberos Key Distribution Center	Restart		Disabled
	Sector Se	All Tas <u>k</u> s	►	Disabled
	Subscription Contraction Contractico Contr	D of so of	ted	Automatic
	Real opical Disk Manager Administrative Service	Refresh		Manual
I I	Extended Standard	Properties	s	
Stop service IBM Tivo	i Directory Server Instance V6.0 - idsldap on Local Comput	<u>H</u> elp		

2. To configure the directory server with users and groups by importing the LDIF file, open a command window and type **idsxcfg**. The **IBM Tivoli Directory Server Configuration Tool** opens

🤣 IBM Tivoli Directory Server Configuration	n Tool 📃 🖸 🗙
<u>F</u> ile <u>H</u> elp	$\overline{\mathcal{O}}$
Choose a task: Overview Manage administrator DN Manage administrator password Configure database Unconfigure database Manage changelog Manage suffixes Manage schema files Manage schema files	Overview Tivoli Directory Server Overview Image: Comparison of the server Getting Started with your IBM Directory Server Image: Comparison of the server of the
🛛 🖵 📄 Optimize database	Current Configuration

3. Click the **Manage suffixes** link to choose the manage suffix task over the left navigation pane. The **Manage suffixes** window opens in the Right pane

🔧 IBM Tivoli Directory Server Configuration T	ool	
	ool Manage suffixes Suffixes Current suffix DNs Cn=localhost Cn=ibmpolicies	Add
Postore database Postore database Optimize database		
J		

_ 4. For the **Suffix DN** filed, enter the value as **o=ibm,c=us** and click the **Add** button. The value must reflect under the **Current suffix DNs** text area as shown below:

<u>File</u> <u>H</u> elp	
	@
Choose a task: Manage suffixes Overview Manage administrator DN Manage administrator password Suffixes Configure database Add Unconfigure database Add Manage suffixes Remove Manage suffixes Remo	•

- 5. Scroll down for the Manage suffixes window in the right pane and click OK
 - __6. To import the users and groups, click on the Import LDIF data over the left pane of the window. The Import LDIF data screen opens. Click the Browse button for the "Path and LDIF file name" and navigate to the LDIF file in <LAB_FILES>/Security/WPG_Users.ldif. Also ensure that the radio button next to Standard import is selected

File Help Choose a task: Import LDIF data Overview Enter the path and name of the LDIF file (on the LDAP server) from which you want Manage administrator DN Manage administrator password Configure database Configure database Manage changelog Remove trailing spaces in Standard import or Bulkload Manage schema files Schema checking is done on the data, but the data is not added to the directory. Warning: To improve performance Bulkload does not check the correctness of the data. Run Data validation only on the LDIF file before attempting bulkload.	ntion Tivoli Directory Server Configuration T 😽	fool	
Choose a task: Import LDIF data Import LDIF data Enter the path and name of the LDIF file (on the LDAP server) from which you want Import LDIF data Enter the path and name of the LDIF file you must add the corresponding suffixes in the Ma Import LDIF data Path and LDIF file name Import LDIF data Import LDIF data Import LDIF data Schema checking is done on the data, but the data is not added to the directory. Import LDIF data Backup database Import LDIF data Schema checking is done on the data, but the data is not added to the directory. Import LDIF data Backup database Import LDIF data Schema checking is done on the data, but the data is not added to the correctness of the data. Run Data validation only on the LDIF file before attempting bulkload.	<u>File</u> <u>H</u> elp		e
	Choose a task: Overview Manage administrator DN Manage administrator password Configure database Unconfigure database Manage changelog Manage suffixes Manage schema files Manage schema file	Import LDIF data Enter the path and name of the LDIF file (on the LDAP server) to Note: Before importing an LDIF file you must add the correspond Path and LDIF file name Import IDAP_V6.0WVPG_Users.Idif C:\download\Tivoli_LDAP_V6.0WVPG_Users.Idif Import or Bulkload Remove trailing spaces in Standard import or Bulkload Standard import Standard import Data validation only Schema checking is done on the data, but the data is not added to the directory. Warning: To improve performance Bulkload does not check the correctness of the data. Run Data validation only on the LDIF file before attempting bulkload.	from which you want ing suffixes in the Ma Browse Browse Bulkload Use bulkload for ver Bulkload options - Bulkload options - Enable schem Enable schem Enable passy

7. Scroll down for the Import LDIF data window in the right pane and click Import

🗲 IBM Tivoli Directory Server Configuration 1	ſool					
<u>F</u> ile <u>H</u> elp						@
Choose a task: Overview Manage administrator DN Manage administrator password Configure database Unconfigure database Manage changelog Manage suffixes Manage schema files Manage schema files Export LDIF data Export LDIF data Restore database Optimize database	Import LDIF data Start time 3/5/07 1:50 PM Task messages GLPCOM022I The databa GLPRDB002W Idif2db: 11	Elapsed time 0:0:9 se plugin is succes entries have been	sfully loaded fr successfully a	om C:/IBM/LDA dded out of 11 Stop	P60/lib/libback-c attempted.	onfig.dll.

- 8. On a successful message, click the **Clear** button to clear the results and then the **Close** button
- 9. Close the IBM Tivoli Directory Server Configuration Tool
 - _ 10. Start the Tivoli Directory Server. To start the IBM Tivoli Directory Server from the Windows Services by right clicking on "Tivoli Directory Server Instance V6.0"
- ____ 11. The Tivoli Directory Server Configuration is complete

Part 2: Enable LDAP security for WebSphere Application Server V6.1

To enable LDAP security for the WebSphere Application Server V6.1, complete the following steps:

- ____1. Start the WebSphere Application Server
 - ____a. Open a command window and change the directory to C:\IBM\WPG61\wpghubsimple\bin
 - ___b. cd C:\IBM\WPG61\wpghubsimple\bin
 - ____ c. Run the following command: bcgStartServer.bat

📾 C:\WINDOWS\system32\cmd.exe	_ 🗆 🗵
Microsoft Windows [Version 5.2.3790] (C) Copyright 1985-2003 Microsoft Corp.	-
C:\Documents and Settings\bcguser>cd C:\IBM\WPG61\wpghubsimple\bin	
C:\IBM\WPG61\wpghubsimple\bin>bcgStartServer.bat_	
	-

2. Open WebSphere Application Server Administrative console in a Web browser using the following URL:

http://localhost:58090/ibm/console/

3. In the Welcome screen of the Administrative console, enter a user ID of your choice and click the **Login** button

welcome, enter your information.
User ID:
admin
Log in

4. On a successful login to the Administrative console, expand **Security** and click the "**Secure** administration, applications, and infrastructure" link in the left navigation pane. The **Secure** administration, applications, and infrastructure screen opens in the right pane

Ξ	Se	curity
	-	Secure administra <u>tion, applications,</u> and infrastructure
	н,	SSL certificate and key management
	1	Bus Security

5. In the Secure administration, applications, and infrastructure screen, click the "Security Configuration Wizard" button to start the security configuration wizard

Configuration		
Securit	y Configuration Wizard	Security Configuration Report

6. In the following screen, select the check box next to "Enable application security" for Step1 Specify extent of protection

→	Step 1: Specify	ecify extent of protection s wizard assists you in securing your application serving vironment. The application serving infrastructure can re administrative users and passwords or can use an sting registry with stored administrative users, plication users, or both.
	protection Step 2: Select user repository	This wizard assists you in securing your application serving environment. The application serving infrastructure can store administrative users and passwords or can use an existing registry with stored administrative users,
	Step 3: Configure user repository Step 4: Summary	application users, or both. If you are using an existing registry such as the local operating system, LDAP, or a custom registry, you need the following information:
		 Configuration information to connect to the existing registry An existing user name in the registry to act as the primary administrative user
		At a minimum, this task provides for secure administration. However, administrative security alone does not provide full security. In most environments, it is recommended that you also enable application and resource security.
		Enable application security
		Use Java 2 security to restrict application access to local resources
N	ext Cancel	

- ____7. Click Next
- 8. In the following screen, select the radio button next to "Standalone LDAP registry" for Step2 i.eSelect user repository

	Step 1: Specify extent of protection	Select user repository
Step 2: Select user repository Step 3: Configure user repository		The user account repository stores users and group names that are used for authentication and authorization. The default repository is built into the application serving system and can be federated with one or more external Lightweight Directory Access Protocol (LDAP) repositories. You can also select a standalone external repository.
	Step 4: Summary	C Federated repositories
		Standalone LDAP registry
		O Local operating system
		C Standalone custom registry
Previous Next Cancel		

- _____9. Click Next
- _____ 10. In the following screen, enter the following user repository information:
 - ____a. Primary administrative user name : wasadmin
 - ____b. Type of LDAP server : IBM Tivoli Directory Server
 - ____ c. Host : <IP address or Fully Qualified host name of the LDAP server machine>
 - ____ d. **Port :** 389 (default)
 - ____e. Base distinguished name (DN) : o=ibm,c=us
 - ____f. Bind distinguished name (DN) : cn=root
 - ___ g. Bind password : Idapadmin

	Step 1: Specify	Configure user repository
→	extent of protection Step 2: Select user repository Step 3: Configure user repository	The repository stores users and group names that are used for authentication and authorization. The application server infrastructure can register users and groups. If security was previously enabled using this repository, provide the name of a user with administrator privileges that is in the repository.
	Step 4: Summary	 Primary administrative user name wasadmin Type of LDAP server IBM Tivoli Directory Server Host aimcp097.austin.ibm.com Port 389 Base distinguished name (DN) o=ibm,c=us Bind distinguished name (DN) cn=root Bind password ••••••••
F	Previous Next (Cancel

_____ 11. Click Next

Note: On clicking '**Next**' in the above step, the Security Configuration Wizard connects to LDAP server to verify the information provided. On a successful verification, the Security Configuration Wizard lists the values selected during the wizard in the following screen.

_____ 12. Review the **Summary** screen

	Step 1: Specify	Summary	
	Step 2: Select user repository	Displays the list of values that a wizard and are used to enable so	re selected during the ecurity.
	Step 3: Configure user repository	Options	Values
		Enable administrative security	true
→	Step 4: Summary	Enable application security	true
		Use Java 2 security to restrict application access to local resources	false
		User repository	Standalone LDAP registry
		Primary administrative user name	wasadmin
		Type of LDAP server	IBM Tivoli Directory Server
		Host	aimcp097.austin.ibm.com
		Port	389
		Base distinguished name (DN)	o=ibm,c=us
		Bind distinguished name (DN)	cn=root
		Bind password	****
F	Previous Finish	Cancel	

____ 13. Click Finish

_____14. In the following screen, click the **Save** link to save the changes to the master configuration

Ξ	Messages
	Δ Changes have been made to your local configuration. You can:
	 <u>Save</u> directly to the master configuration.
	 <u>Review</u> changes before saving or discarding.
	Δ The server may need to be restarted for these changes to take effect.

- _____ 15. Logoff from the Administrative console
- 16. The security enablement for the WebSphere Application Server V6.1 is complete. Restart the application server
- 17. Stop the WebSphere Application Server from command window as shown below using the following command: bcgStopServer.bat

📾 C:\WINDOWS\system32\cmd.exe	_ 🗆 🗡
Microsoft Windows [Version 5.2.3790] <c> Copyright 1985-2003 Microsoft Corp.</c>	
C:\Documents and Settings\bcguser>cd C:\IBM\WPG61\wpghubsimple\bin	
C:\IBM\WPG61\wpghubsimple\bin>bcgStopServer.bat	
	-

- 18. Start the WebSphere Application Server from command window using the following command: bcgStartServer.bat
- 19. Once the application server has started, open the Administrative console in a Web browser using the following URL to test if the security enablement is successful:

http://localhost:58090/ibm/console/

- _____ 20. Click **Yes** over the security certificate
- _____21. In the Welcome screen of the Administrative console, enter,
 - ____a. User ID : wasadmin
 - ____b. **Password :** wasadmin

Nelcome, enter your information.	
vasadmin	
assword:	
•••••	
Log in)	

22. Click the **Login** button. A successful login to the Administrative console states that the valid credentials are provided

Part 3: Logging into WebSphere Partner Gateway community console

WebSphere Partner Gateway console allows the users to create and configure the partners, receivers, destinations, business-to-business capabilities, interactions and connections

_____1. Open a Web browser and type the following URL:

Unsecured: http://<host name>.<domain>:58080/console

Secure: https://<host name>.<domain>:58443/console

Where *<host name>* and *<domain>* are the name and location of the computer hosting the Community Console component.

Note: WebSphere Partner Gateway Community Console requires cookie support to be turned on to maintain session information. No personal information is stored in the cookie, and it expires when the browser is closed.

- _____2. The Web browser displays the Welcome page.
- 3. If this is the first time logging into the console, use the following steps to log in and reset the temporary password.
 - ____a. In the "User Name" field, type: hubadmin
 - ____b. In the "Password" field, type: Pa55word
 - ____ c. In the "Company Login Name" field, type: Operator Click Login.
 - _____ d. When you log in for the first time, you must create a new password. Enter a new password as **hub1admin**, then enter the new password **hub1admin** a second time in the **Verify** field.
 - ___ e. Click Save.
 - ____f. The system displays the console's initial entry window.
- 4. If you have previously logged into the console and reset the password, then use the appropriate credentials to log into the console

Part 4: Create participants & users

By default hubadmin user already exists after WebSphere Partner Gateway installation. You will now create user hubadmin2 and add him to Hubadmin group. Also a new Partner Partner1 is created with users partner1user and partner1user2.

All the users that are created for partners should be part of your LDAP directory. If not they cannot log in to the community console when LDAP based authentication is enabled.

In the ldif file you imported to create the users directory in LDAP the users that you are going to create and the hubadmin user are already specified. So when LDAP authentication is enabled, all the users that exist in the LDAP and exist in the WebSphere Partner Gateway partner profiles can be configured to be able to login to community console.

- _____1. Create the hubadmin2 user for Hub Operator and add to Hubadmin Group
 - ____a. In the WebSphere Partner Gateway Community Console, navigate to Account Admin → Profiles → Partner
 - ____b. Click on the Users on the menu
 - ____ c. Click Create to create a new user for Hub Operator
 - ____ d. Provide the following details and click Save
 - 1) User Name : hubadmin2
 - 2) Given Name : hubadmin2
 - 3) Password : pa55word
 - 4) Re-enter Password : pa55word

Profile , Hub Operator , User Detail ,		
a		
🧐 User Name	hubadmin2 *	
Status	⊙ Enabled O Disabled	
Given Name	hubadmin2	
Family Name		
E-Mail		
Telephone		
Fax Number		
Language Locale	Language Locale	
Format Locale	Format Locale	
Time Zone	Central Time (GMT -6:00 DST)	
Alert Status	C Enabled 💿 Disabled	
Subscribed		
Visibility	C Global 💿 Local	
	Auto Generate Password	
Password	*******	
Re-enter Password	*******	
	Save Cancel	

- ____e. On the next screen, click on the **Memberships** link on the right corner.
- ___ f. Click on the 🥨 icon
- ____g. Select Hubadmin and click the Add to Group button

🧭 Not a Member of	A Member of
Administrators	Default 🖻 Hubadmin
Add to Group	Remove from Group
	Save Cancel

- ___h. Click Save
- _____2. Create a new Community Partner Partner1
 - ____a. In the WebSphere Partner Gateway Community Console, navigate to Account Admin → Profiles → Partner
 - ____b. Click on the Create link on the right corner
 - ____ c. Provide the following details and click Save
 - 1) Company Login Name: Partner1
 - 2) Partner Display Name: Partner1

Profile • New Partner			
3	Company Login Name Partner Display Name Partner Type Admin User Name	Partner1 * Partner1 * External Partner 💌 *	

- 3. Create users for the new Community Partner Partner1
 - ____a. In the WebSphere Partner Gateway Community Console, navigate to Account Admin → Profiles → Partner
 - ____b. Click Search

- ____ c. Select Partner1 by clicking on the Partner1
- ____ d. Click on the Users menu option
- ____e. Click Create link on the right corner
- ____f. Provide the following details and click Save
 - 1) User Name : partner1user
 - 2) Given Name : partner1user
 - 3) Password : pa55word
 - 4) Re-enter Password : pa55word

Profile > Partner1 > User Detail >		
ø	*	
User Name	partnerTuser	
Status	© Enabled O Disabled	
Given Name	partner1user	
Family Name		
E-Mail		
Telephone		
Fax Number		
Language Locale	Language Locale 🔽	
Format Locale	Format Locale	
Time Zone	Central Time (GMT -6:00 DST)	
Alert Status	C Enabled © Disabled	
Subscribed Visibility	O Global 🛛 💿 Local	
	Auto Generate Password	
Password	******	
Re-enter Password	*******	
	Save Cancel	

- ___ g. In the WebSphere Partner Gateway Community Console, navigate to Account Admin → Profiles → Partner
- __ h. Click Search
- ____ i. Select Partner1 by clicking on the Partner1 Loon
- ____j. Click on the Users menu option
- ____k. Click Create link on the right corner
- ___ I. Provide the following details and click Save

- 1) **User Name :** partner1user2
- 2) Given Name : partner1user2
- 3) Password : pa55word
- 4) Re-enter Password : pa55word
- 4. Assign users for the new Community Partner **Partner1** to groups
 - ____a. In the WebSphere Partner Gateway Community Console, navigate to Account Admin → Profiles → Partner
 - ____b. Click Search
 - ___ c. Select Partner1 by clicking on the Partner1
 - ____ d. Click on the Groups menu option

Pro	Profile > Partner1 > Group List		
			Name
Þ	8	8	Administrators
Þ	â	<u>8</u>	Default

- ____e. Click on the 📓 icon next to Administrators
- ___ f. Click on the 🥨 icon
- ____g. Select partner1user and click the Add to Group button
- ___h. Click Save.partner1user is now part of the Partner1's Administrator group
- _____i. By default when a user is created for a partner, they are assigned to Default group. So partner1user2 is part of the Default group,

Part 5: Enable LDAP container based authentication for WebSphere Partner Gateway console

- _____1. Log into the Community console as hubadmin
- _____ 2. Navigate to System Administration → Common Properties
- ____ 3. Click on the 🌌 icon
- _____ 4. Change the value of the property **bcg.ldap.containerauth** to **True.**

bcg.ldap.containerauth	True
bcg.ldap.jaaslogin	WSLogin
bcg.receiver.persistpath	C:/IBM/WPG61/wpghub

- ____ 5. Click Save
- _____6. Log out of the community console

Part 6: Map WebSphere Partner Gateway user roles

After authentication in LDAP server, you must associate the LDAP user with the Hubuser role. Only users who are members of this role can enter the application after authentication. To define LDAP users as a member of this role:

- ____1. Start the WebSphere application server that has the Console application deployed
 - ___a. Go to <WPG_HOME>\wpghubsimple\bin and run the bcgstartserver.bat file
- 2. Log into the WebSphere Administrative console by providing the Administrator user id and password (wasadmin/wasadmin). The url for the Administrative console is <u>http://<hostname>:58090/admin</u>
- $_$ 3. Select Applications \rightarrow Enterprise Applications and then click on the BCGConsole application

nfiguration	
General Properties	Modules
* Name BCGConsole	Manage Modules
	Web Module Properties
Application reference validation Issue warnings	 <u>Session management</u> Context Root For Web Modules
Detail Properties	Initialize parameters for servlets
 Target specific application status Startup behavior 	 JSP reload options for web mode <u>Virtual hosts</u>
 Application binaries Class loading and update detection 	Enterprise Java Bean Properties
 <u>Remote request dispatcher properties</u> <u>Security role to user/group mapping</u> 	 Application profiles EJB JNDI names
 <u>View Deployment Descriptor</u> <u>Last participant support extension</u> 	-

- 4. Click Security roles to user/group mapping link
- 5. In the next screen, uncheck the All authenticated? Click Ok button and save the changes by clicking on the Save link

Enterprise Applications > <u>BCGConsole</u> > Security role to user/group mapping						
Security role to user/group mapping						
Each role that is defined in the application or module must map to a user or group from the domain user registry.						
Look	Look up users Look up groups					
Select	Role	Everyone?	All authenticated?		Mapped users	Mapped groups
	Hubuser					
OK Cancel						

Ξ	Messages
	⚠ Changes have been made to your local configuration. You can:
	 <u>Save</u> directly to the master configuration.
	 <u>Review</u> changes before saving or discarding.
	Δ The server may need to be restarted for these changes to take effect.

- $_$ 6. Select Applications \rightarrow Enterprise Applications and then click on the BCGConsole application
- _____7. Click Security roles to user/group mapping link
- _____8. In the next screen, select the check box next to click the Look up Users button

Look up users Look up groups				
Selec	t Role	Everyone?	All authenticated?	
	Hubuser			
ОК	Cancel			

- 9. Click the **Search** button. This will list all the users defined in the LDAP user repository configured.
- 10. Select all the users one by one in the Available and move them to Selected by clicking on the icon.
- _____11. Click **Ok**. And then the **save** link to save changes.

Enterprise Applications > BCGConsole > Security role to user/group map	ping > Look up users or groups
Specifies whether to look up users or groups.	
The following roles are mapped to the items in the selected list.	
Hubuser	
-	
To search for users or groups, enter a limit (number) and a search patte	rn (such as a*) and click Search:
limit (number of items)	
20	
Search String	
Search	
Select users or groups in the Available list. Move them to the Selected lis	t by clicking >>.
Available:	Selected:
cn=wasadmin,o=ibm,c=us	cn=wasadmin,o=ibm,c=us
cn=hubadmin2,o=ibm,c=us <<	cn=hubadmin2,o=ibin,c=us
cn=partner1user,o=ibm,c=us cn=partner1user2,o=ibm,c=us	cn=partner1user,o=ibm,c=us cn=partner1user2,o=ibm,c=us
cn=testuser,o=ibm,c=us	
-	
OK Cancel	

____ 12. Log out of the Administrative Console.

Part 7: Logging into community console with LDAP authentication enabled

____1. Open a Web browser and type the following URL:

Unsecured: http://<host name>.<domain>:58080/console

Secure: https://<host name>.<domain>:58443/console

Where <*host name*> and <*domain*> are the name and location of the computer hosting the Community Console component.

Note: WebSphere Partner Gateway Community Console requires cookie support to be turned on to maintain session information. No personal information is stored in the cookie, and it expires when the browser is closed.

2. The Web browser displays the Welcome page. Notice that the Log in page displayed is different from the one displayed when using the database based authentication

WebSphere Partner Gateway Co	ommunity Console
User Name Password Language English (United States) Login	Welcome to the Community Console! Enter your user name and password. Then click login.

- 3. You can now use the LDAP credentials to log into the community console
- 4. In the user repository you have hubadmin,hubadmin2 who are defined as Hubadmin group members in WebSphere Partner Gateway. So when you log as hubadmin,hubadmin2 you are logged in as super users.
- 5. Log in and check the community console logged in as following users

Username : hubadmin

Password : hub1admin

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Username : hubadmin2

Password : hub2admin

- _____7. Log out of the community console
- 6. In the user repository you have partner1user and parner1user2 who are defined as Partner1 members in WebSphere Partner Gateway. Partner1user2 is the Administrator of the Partner1 so when you log as partner1user2 you are logged in as Administrator.

Username : partner1user

Password : partner1user

Username : partner1user2

Password : partner1user2

_____8. Log out of the community console

Part 8: Disable LDAP based authentication

You might have to stop LDAP authentication under the following circumstances:

- The LDAP server stops or permanently goes down.
- Container based authentication was chosen when installing WebSphere Partner Gateway but the LDAP server is not ready.

Note for UNIX® users: users who use DB2 must log in as the db2instance user and use the db2instance username and password to run the script. Users who use Oracle must log in as the oracle user and use the username and password given at the time of installation to run the scripts

Disabling LDAP based authentication in WebSphere Partner Gateway:

- _____1. Open a command prompt window
- _____2. Change directories to <WPG_HOME>/wpgappsdb/scripts/DB2.
- _____ 3. Use the command db2cmd. This should open DB2 command window.
- _____4. In the DB2 command window , use the following command
 - ___a. bcgResetAuthentication.bat <databse user> <database user password> for Windows
 - ___b. bcgResetAuthentication.bat <databse user> <database user password> for Linux

This script Sets the attribute **bcg.ldap.containerauth** located in the Console **System Administration > Console Properties > Common Attributes** to **False**.

Resets the hubadmin user ID password to the installation default and the database is now used to store passwords.

Note: After these scripts are run, any passwords that were configured in LDAP must be reentered for each defined user using the WebSphere Partner Gateway Console

Disabling LDAP based authentication in WebSphere Application Server:

- ____1. Open a command prompt window
- _____2. Change directories to <WPG_HOME>/wpghubsimple/wasND/Profiles/bcgprofile/bin
- ____ 3. Use the following commands
 - ___ c. wsadmin –conntype NONE
 - ____d. securityoff
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__e. quit

- _____4. Restart the server for changes to take effect. You need to provide username and password to stop the server.
- **5.** Change directories to <WPG_HOME>/wpghubsimple/wasND/Profiles/bcgprofile/bin
- _____6. Use the following command

stopserver.bat server1 -username <username> -password <password>

ex: stopserver.bat server1 --username wasadmin -password wasadmin

_____7. Start the server by using the following command

Startserver.bat server1

You have successfully completed disabling LDAP based authentication on both WebSphere Application Server and WebSphere Partner Gateway

What you did in this exercise

In the lab exercise, you have

- created a user repository in the LDAP server
- configured application security for the WebSphere Application Server,
- enabled LDAP authentication use in WebSPhere Partner Gateway
- Mapped users to Hub user role foe the BCGConsole application
- Logged into the console using LDAP authentication and
- Disabled security on WebSphere Partner Gateway and WebSphere Application Server

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