

This presentation will discuss how to switch InfoSphere[®] Information Server 11.3 to use the stand-alone LDAP repository for authentication when WebSphere[®] is installed as a cluster. If you installed Information Server 11.3 with non-clustered WebSphere, refer to the IEA module Switching Information Server 9.1 - 11.3 to stand-alone LDAP with non-clustered WebSphere Application Server.

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Objectives	
- Set up stand along LDAD proporties	
• Set up stand-alone LDAP properties	
 Verify user and group filters 	
 Finding proper case for base distinguished name 	
 Add Information Server admin user 	
2 Switching IS 11.3 authentication to stand-alone LDAP with clustered WebSphere Application Server Network Deployment	© 2015 IBM Corporation

The objectives of this presentation are to show how to set up the LDAP properties for stand-alone LDAP configured with Information Server 11.3 on a WAS cluster. It will also describe how to verify the user and group filters and how to determine the case of the base distinguished name. This presentation will also show how to add the Information Server administrative user.

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The first step in setting up the stand-alone LDAP registry is to open the WebSphere Administrative console. On the left side of the screen, click Security and then Security domains. Next, click the Security domain name IBM_Information_Server_sd.



Next, click User Realm. Click the drop-down for the Realm type under "Customize for this domain" and pick Standalone LDAP registry. Click Configure.

Sot stand along LDAP pror	(3 of 4)	
bel stand-alone LDAF prop	Jerties (3 01 4)	
	Security domains	
	Security domains > IBM Information Server_sd > Standalone LDAP registry Uses the Lightweight Directory Access Protocol (LDAP) user registry settings who	r en users and groups reside in an external LDAP directory. When security is en
Enter LDAP properties	properties are changed, go to Security > Global security panel. Click Apply or O	X to validate the changes.
- Type of LDAP server	Test connection	
- Host	General Properties	
	Provide a realm name	
– Port		
– Base DN	Allow the system to create a realm name	
 Case needs to be exact 	LDAP server	Security
Dind DN	Type of LDAP server Microsoft Active Directory	Bind distinguished name (DN) (DN=jsmith,DC=usUser,DC=US,DC-IT,DC=NewCo,DC=com
	+ Host Port	Bind password
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Click Save	Base distinguished name (DN)	Debted Hame
	Search timeout	Trusted authentication realms - inbound
	120 seconds	
	Reuse connection Ionore case for authorization	

Under the General properties page, choose the type of LDAP server you are authenticating against. Next, enter the LDAP server name, Port, and Base distinguished name. The base distinguished name defines the starting point for LDAP searches. Making this value more restrictive will limit the number of users and groups that are returned to Information Server. Be sure that all the users and groups fall within the defined base. While WebSphere and LDAP are not case-sensitive, Information Server is. You must make sure that the case of the base DN you choose matches the case that is returned by LDAP. The next slide will discuss how to find the correct case.

Next, enter your bind distinguished name and password. The bind DN is the distinguished name of the user that is used to bind to the directory service. If your directory service supports an anonymous bind, you can leave these fields blank.

Once all the information has been entered, click Apply at the bottom of the screen and then click Save in the messages box at the top. Click Test connection to make sure that your connection to your LDAP server is working properly.

	IBM
Set stand-alone LDAP properties (4 of 4)	
Base DN must be in the correct case	
 Verify with LDAP viewer or Idapsearch Search with a user or group Idapsearch –h <idapserver> -p <idapport> -b <base dn=""/> -D <binddn> -w <bindpasswd> cn=<groupname> </groupname></bindpasswd></binddn></idapport></idapserver> <u>Example</u> Idapsearch –h NewcoAD.newco.com -p 389 -b "DC=Newco,DC=com" -D "CN=BndUser,CN=User,DC=Newco,DC=com" -w Bpasswd cn=IPS_Support <u>Output</u> CN=IPS_Support,OU=Group\$,DC=Newco,DC=com objectClass=group 	
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In order for Information Server to correctly create and find the user's proxy records in xmeta, you must insure that the base distinguished name configured in WebSphere is in the proper case. If you have an Idap browser, open the attributes for a user or group and look at the value of the distinguished name. If you don't have an LDAP browser, use a command-line utility like Idapsearch to retrieve the attributes.

This slide shows an example of an Idapsearch command to return the group attributes of group IPS_support. It does not matter if you use a group or user because you just need to see what the case is of the base part of the distinguished name.

	IBM
 Verify filters (1 of 2) Verify user and group filters Additional Properties Advanced Lightweight Directory Access Protocol (LDAP) user registry settings 	LDAP server Microsoft Active Directory * Lot * Lot <tr< td=""></tr<>
	Apply OK Reset Cancel

The next step in setting up the stand-alone repository is to verify that the default user and group filters are correct. While in the General Properties screen for the LDAP repository, click Advanced Lightweight Directory Access Protocol user registry settings under Additional Properties.

		IBM
Verify filters (2 of 2)		
 Verify/update user and group filters 	Messages Monarges have been made to your local configuration. You can: Eases 30 of the to the master configuration. Eases 30 of the to the master configuration.	
 Click Apply and save 	db The server may need to be restarted for these changes to take effect.	
S B Get	peofly advanced Lightneight Directory Access Protocol (LDAP) user registry sattings when users and groups reside in an external LDAP directory. When county is enabled and any of these advanced settings are changed, go to the Security > Global security panel. Click Apply or Ok to validate the changes. meral Properties	
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o Switching IS 11.3 au	thentication to stand-alone LUAP with clustered WebSphere Application Server Network Deployment	© 2015 IBM Corporation

Next, verify that the filters match what was supplied to you by your LDAP administrator. If the values do not match, make the appropriate changes and click Apply and Save.

		IBM
Set realm type		
	Security Attributes	
	Application Security: Customized - Enabled	
	Java 2 Security: Customized - Disabled	
 Security => Security domains => IBM_Information_Server_sd 	Use Realm: Customized - ASBRealm Use global security settings Repositor type - Externated repositories	
 Set Realm type to Standalone LDAP 	Customize for this domain Realm type Standalone LDAP registry Configure	
 Click Apply and Save 	Trust Associations Customized - Enabled	
Restart WebSphere Application Server cluster	SPNEGO Web Authentication: Disabled	
- Restart WebSpriere Application Server cluster	RMI/IIOP Security: Global security settings	
	JAAS Application Logins: 6 login configurations	
	JAAS System Logins: 43 login configurations	
	JAAS J2C Authentication Data: Customized - 2 entries	
	Java Authentication SPI (JASPI): Disabled Authentication Mechanism Attributes: Outemized - 760 minute TPA timeout	
	Automatication Perchansin Activities: Costomate - 750 minute CTPA timeout Automatication Provider: Built-in authorization	
	Custom properties	
	Appy OK Reset Cancel	
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Once the LDAP settings are saved, go back to the IBM_Information_Server_sd page under Security, Security domains. Be sure the Realm type under User Realm is set to Standalone LDAP registry and click apply and then save at the top of the screen. Restart the WebSphere cluster.



The next step is to remove any users and groups that were created when Information Server was using the previous registry. Change directories to the ASBServer/bin directory and run the DirectoryAdmin command with both delete_users and delete_groups.

Next, run the DirectoryAdmin command as shown on this slide to add an Information Server administrative user. The user id needs to be the user's full distinguished name. Be sure the case is the same as seen with the Idap browser or the Idapsearch command.

Once that has completed successfully, you are ready to go into the Information Server web console. The first time you log into the Information Server web console, you need to use the IS administrative user you specified with the DirectoryAdmin command. Once you open the Information Server web console, you can set the user roles as needed.

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