# SailPoint IdentityIQ – Lo4 Date

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# **Exercise 1**

**Enabling Lifecycle Manager** 

Use Case ID:	L04 - E01			
Use Case Name:	Enabling Life Cycle Manager			
Created By:			Last Updated By:	
Date Created:			Last Revision Date:	
	Actors:	Admin, IIQ System		
Description:		In this exercise, we will enable Lifecycle Manager functionality.		
<b>Preconditions:</b> IIQ System is Up		IIQ System is Up an	d Running, LCM setup	
Post conditions:		LCM configuration		
Normal Flow:		1. Importing init-lcm.xml file		
		2.	LCM configuration	
Exce	ptions:	NA		
Dependent U	secase:	NA		
Assum	ptions:	NA		
Notes and	Issues:	NA		

## Overview:

In this usecase, we are going to setup the following:

• LCM configuration

Lifecycle manager is installable as a separate component of IdentityIQ. In order to install and setup Lifecycle Manager, you must stop your application server, install Lifecycle Manager and restart your application server.

# Installation of Lifecycle manager

- 1. Stop the Tomcat server using the **Stop Tomcat** shortcut
- 2. Launch the IIQ console using the **IIQ Console** shortcut
- 3. Install Lifecycle Manager by typing the following into the IIQ console:

- > import init-lcm.xml
- 4. Start the Tomcat server using the **Start Tomcat** shortcut
- 5. Login to IdentityIQ as spadmin/admin and confirm that Lifecycle Manager is installed: Look for the sections Manage Access and Manage Identity

# **Exercise 2**

# **Turn on Group Provisioning and Create New Group in LDAP**

oup III LD				
Use Case ID:	L04 – E	L04 - E02		
Use Case Name:	Group based provisioning			
Created By:			Last Updated By:	
Date Created:			Last Revision Date:	
	Actors:	Admin, IIQ System		
Description:		Turn on the IdentityIQ Group Provisioning feature and use IdentityIQ to		
		provision groups to		
Preconditions:		IIQ System is Up and Running, LCM setup		
<b>Post conditions:</b> LCM configuration		Provisioning setup		
Normal Flow:		1. Groups in IdentityIQ		
		2.	Provisioning configu	rations
Exce	ptions:	NA		
Dependent U	secase:	NA		
Assum	ptions:	NA		
Notes and	Issues:	NA		

## Overview:

In this usecase, we are going to setup the following:

- Identify groups in IdentityIQ
- Provisioning using groups
- LDAP group access provisioning

Out of the box, IdentityIQ can support provisioning Groups to target applications that support it. In this exercise, we will use IdentityIQ to provision a group into LDAP. Once this group is created, we will be able to add additional users to it.

**Note:** You do not need to use group provisioning within your IdentityIQ implementation. It is also perfectly normal to create, edit and delete groups directly in the native target application.

# Turn on Group Provisioning Feature of IdentityIQ

- 1. Navigate to Global Setting Lifecycle Manager
  - a. Configuration
- 2. On the **Additional Options** tab, confirm that **Enable Account Group Management** is selected:



3. Click Save

## Verify the Existing LDAP Groups

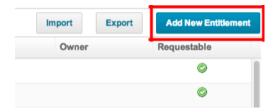
- 1. View the existing LDAP groups.
  - a. Use the desktop shortcut to launch the OpenDS LDAP Control Panel
    - i. Only click it once... it will take a few seconds to start.
    - ii. If necessary, **Start** LDAP
    - iii. Login with the OpenDS Admin Password: password
  - b. Select Manage Entries, and expand groups



d. List the existing groups:

# Provision a new Group in LDAP called VPN

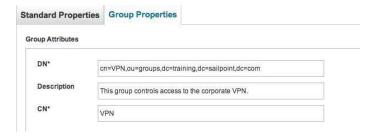
- 1. In IdentityIQ, navigate to the **Application ② Entitlement Catalog**
- 2. Click **Add New Entitlement** to create a new group.



- 3. On the **Standard Properties** tab, configure the new group as:
  - a. Application: LDAP
  - b. Display Value: VPN
  - c. Requestable: checked
  - d. Description: This group controls access to the corporate VPN.
  - e. Owner: Randy.Knight



- 4. On the **Group Properties** tab, configure the following:
- 5. DN: cn=VPN,ou=groups,dc=training,dc=sailpoint,dc=com
- 6. Description: This group controls access to the corporate VPN.
- 7. CN: **VPN**



- 8. Click Save
- 9. If you configured everything successfully you should see the following:
- 10. A message that says a workflow was started to create the VPN group. This workflow comes out of the box, but could be customized if so desired. The workflow is called **Entitlement Update**.



11. Under **Define** Entitlement Catalog you should see the new entry for **VPN**. Note that the new LDAP group has a Description, Owner and is Requestable



- 12. Check LDAP to see that the group was created.
- 13. On the manage entries page, drill down to the groups and confirm that your **VPN** group is created:



# **Exercise 3**

**Provision VPN Access Using Lifecycle Manager** 

Use Case ID:	L04 – E03			
Use Case Name:	VPN access provisioning			
Created By:			Last Updated By:	
Date Created:			Last Revision Date:	
	Actors:	Admin, IIQ System		
<b>Description:</b> The objective of thi		s exercise is to allow m	anagers to request VPN access	
		for their users via Lifecycle Manager.		
<b>Preconditions:</b> IIQ System is Up an		d Running, LCM setup		
<b>Post conditions:</b> LCM configuration,		Provisioning setup		
Normal Flow:		1. VPN access setup		
			2. Provisioning to V	PN group using IdentityIQ
		N.Y. A		
Exce	ptions:	NA		
Dependent U	secase:	NA		
Assum	ptions:	NA		
Notes and	Issues:	NA		

## Overview:

In this usecase, we are going to setup the following:

- Identify VPN specific groups in IdentityIQ
- Provisioning to VPN groups

We just created a group in LDAP called VPN, and we made this account group request able, meaning that users can request it through LCM.

Next, we will login as a manager (Catherine.Simmons) and request VPN Access for all of the direct reports in her department.

This will kick off a workflow case for each user with appropriate approval steps and will eventually (assuming all approvals are affirmative) result in a provisioning of the entitlement in LDAP.

The default workflow for entitlement requests is called **LCM Provisioning**. Each Lifecycle Manager operation has a default workflow (Business Process) defined as seen here. Out of the box, the default workflows are:

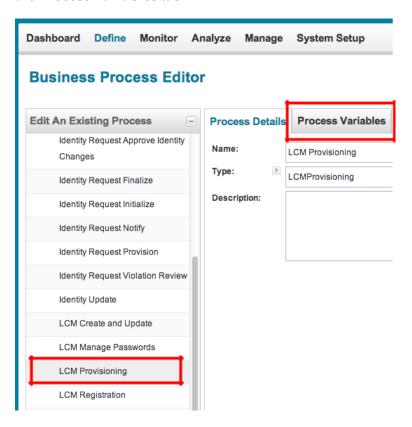
## **Lifecycle Manager Configuration**



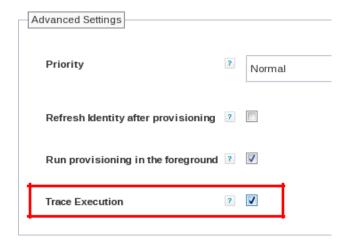
The **LCM Provisioning** workflow automatically checks for approval from the entitlement owner before provisioning the user's access. This out of the box behavior can be configured to support any desired functionality including policy checks, approvals, notifications, etc.

## **Enable Business Process (Workflow) Tracing**

- 2. Select the **LCM Provisioning** Business Process, and on the right side of the screen, select the **Process Variables** tab.



3. Scroll down to the very bottom, and select **Trace Execution**. This will trace all workflow steps into the logs so that we can observe detailed workflow flow information.

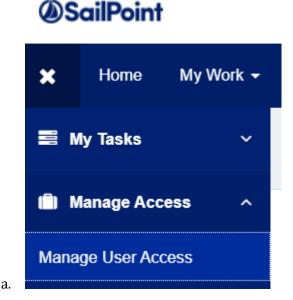


4. Click Save.

5. Start the desktop shortcuts **Tail Tomcat Standard Out** and **Tail Email Log**. During the request to add users to the VPN group in LDAP, we will view these logs to observe the workflow trace and emails being sent.

## Login as a Manager and Request VPN Access for employees

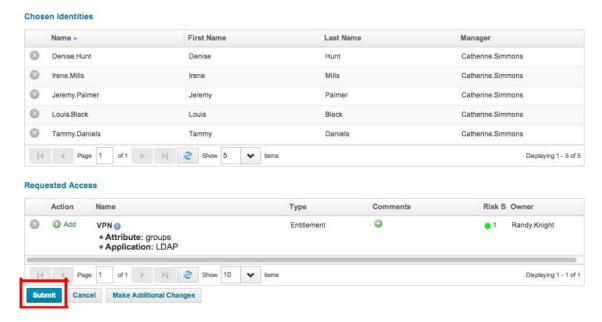
- 1. Logout of IdentityIQ and login as Catherine.Simmons/xyzzy
- 2. Under Manage Access, select Manage User Access



- In the Available Identities list, you should only see direct reports for Catherine.Simmons.
   Select all of these direct reports and select Submit
- 4. On the **Request Access for 5 Identities** screen, search for **VPN**. Notice the search result count displayed on each tab.
- 5. Select the **Entitlements** tab and notice that all of our configured items are showing up on the VPN Entitlement such as Owner, Description.



- 6. Click **Next** to add the VPN entitlement to access request
- 7. On the confirmation page, if everything looks okay, click **Submit**.



- 8. Click on Track My Requests.
- 9. There should be five requests in the queue, one for each subordinate employee that had the VPN entitlement requested for them. Click any request to see the current status of the request.

#### Filter by Identity Advanced Search Access Request IC Priority Request Date Requester Requestee Normal Request Access Catherine.Simm... Louis Black 1/3/14 4:32 PM Request Items View Complete Details Operation Item Value Account $groups \ cn=VPN, ou=groups, dc=training, dc=sailpoint, dc=com \ cn=Louis. Black, ou=people, dc=training, dc=sailpoint, dc=com \ LDAP$ Pending Interactions Description Owner **Open Date** Owner Approval - Account Changes for User: Louis.Black 1/3/14 4:32 PM Randy.Knight 1 Approv Request Access Catherine.Simm... Denise.Hunt 1/3/14 4:32 PM Normal 1/3/14 4:32 PM 3 Normal Request Access Catherine.Simm... Tammy.Daniels Normal Request Access Catherine.Simm... Irene.Mills 1/3/14 4:32 PM Normal Request Access Catherine.Simm... Jeremy.Palmer 1/3/14 4:32 PM

- 10. Observe the current status of the workflow in the log files.
  - a. Check the output of the Email log file you should see that emails that were generated:

```
To: Randy.Knight@demoexample.com
Message-ID: <f6540250a97a44fba132515f41f64de3@example.com>
Subject: Changes requested to Tammy. Daniels need approval
MIME-Version: 1.0
Content-Type: multipart/mixed;
       boundary="--- = Part 44 19584772.1396377798427"
X-Mailer: smptsend
----= Part 44 19584772.1396377798427
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: 7bit
Catherine.Simmons is requesting the following changes for 'Tammy.Daniels'
       Application: LDAP
           Account : cn=Tammy.Daniels,ou=people,dc=training,dc=sailpoint,dc=com
          Operation: Add
         Attribute: groups
           Value(s): cn=VPN,ou=groups,dc=training,dc=sailpoint,dc=com
           Priority: Normal
```

b. Check the Standard Out log file and see that workflow tracing has occurred. The end of the trace shows that an approval has been requested:

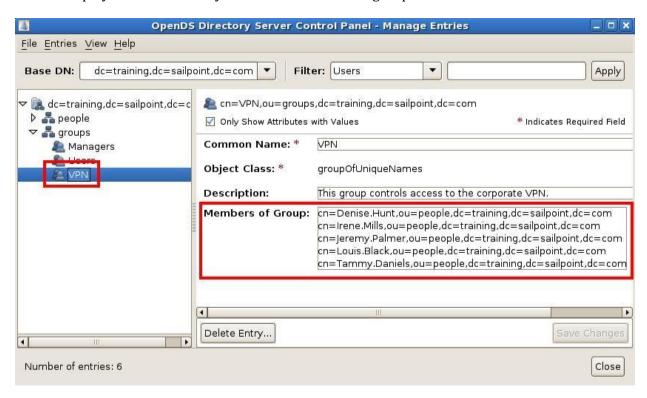
```
Starting step Approval
Starting approval group in mode parallelPoll
Starting approval for Randy.Knight
Opening work item: Owner Approval - Account Changes for User:
Tammy.Daniels Starting step Approval
Starting approval group in mode parallelPoll
Starting approval for Randy.Knight
Opening work item: Owner Approval - Account Changes for User: Tammy.Daniels
```

- c. Logout and login as Randy.Knight/xyzzy
- d. Click **Approvals** in the **Dashboard** and click the first approval.
- e. Handle the approval by selecting **OK** and then **Complete** the work.
- 1 Repeat the approval process for each user in the manager's department (there should be 5 total approvals to complete.)

Notice the Standard Out log file after each item is approved by Randy:

```
Ending step Complete Identity Request
Skipping conditional step Update Ticket On Complete
Starting step end
Ending step end
Ending workflow Identity Request Finalize
Ending step Finalize
Ending workflow LCM Provisioning
```

2. Once the approvals are done, you can check in the OpenDS LDAP utility and confirm that 5 employees have correctly been added to the **VPN** group as shown here:



- b. Just to review what occurred:
  - Once the manager requested that all 5 of her employees needed access to the VPN group, 5 workflows were started (each one was the **LCM Provisioning** workflow that is the default in IdentityIQ for Access Requests)
  - ii. Each workflow determined that the owner of the VPN group was Randy.Knight from the settings in the Entitlement Catalog so the workflow routed the approval for each user to Randy.Knight
  - iii. **Randy.Knight** received an email notification and had 5 items in his inbox for his approval.
  - iv. Once **Randy.Knight** approved each request, the workflows continued and provisioned access to the LDAP resource, which involved adding the users to the specific VPN group.
- c. Log out and back in as Catherine.Simmons/xyzzy

# **Exercise 4**

Create and Manage Identities in IdentityIQ

		<del>-</del> <del>-</del>	- 0 15	- <del> </del>	
Use Case ID:	L04 – E	L04 – E04			
Use Case Name:	Creating and managing identities				
Created By:			Last Updated By:		
Date Created:			Last Revision Date:		
	Actors:	Admin, IIQ System			
Descr	iption:	Learn how to mana	Learn how to manage creating Identities and editing them using		
		IdentityIQ with and	l without Identity Prov	isioning Policies	
Precond	ditions:	ons: IIQ System is Up and Running, LCM setup			
Post cond	<b>Post conditions:</b> LCM configuration		Provisioning setup		
Normal Flow:		1. Create identity form			
			2. Creating Identity	from IdentityIQ	
			3. Provisioning requ	uired access	
Exce	ptions:	NA			
Dependent U	secase:	NA			
Assum	ptions:	NA			
Notes and	Issues:	NA			

## Overview:

In this usecase, we are going to setup the following:

- Create identity form related to LCM
- Provisioning required access

Often, you will need to create Identities in IdentityIQ. When doing so, you can create them using LCM. LCM allows you to create and edit Identities and manage the creation and updating of the Identities using workflows to control the creation and editing processes. Also, you may define provisioning policies, which can help define the choices that are made when creating Identities in the system. In this exercise we will create identities two ways:

1. Using the out of the box configuration

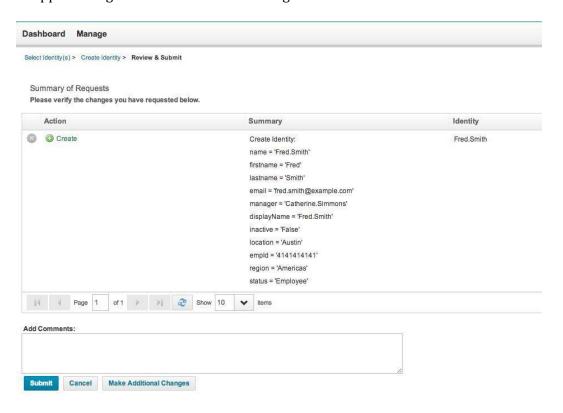
2. Using pre-defined Provisioning Policies to help drive user's choices when creating a new identity.

# Create an Identity using LCM

- 1. Logout and login as Catherine.Simmons/xyzzy and navigate to the dashboard and select
  - a. Create Identity
- 2. Create the Identity as shown here. Use *xyzzy* for the password.
  - a. Note that this is a default provisioning form that ships with IdentityIQ. As you enter the data, think about modifications that would make entering data less error prone and easier.

#### **Create New Identity** If you would like to request that a new identity be created, please fill in the fields below. Fields marked with an asterisk are required. Identity Name\* Fred.Smith Confirm Password\* Fred **Last Name** Smith Email fred.smith@example.com Manager Catherine.Simmons Display Name Fred.Smith Inactive False Location Austin 4141414141 Region Americas Employee

**3.** We will be presented with the confirmation screen, but since we are the manager as well, no approval is generated. Confirm the changes and click **Submit**.



- f. From the Dashboard, select **Track my Requests** and confirm that the Create Identity request operation was successful.
- g. Logout and Login in as spadmin/admin
- h. Navigate to the identity: **Fred.Smith** and confirm that the user was created correctly in IdentityIQ.
- i. As you probably could see, this was a tedious (and potentially error-prone) approach to entering an identity. In the next section, we will create a provisioning policy that will allow us to make creating an identity easier and provide nice features like allowed value dropdown selections, and data validation.

## **Define Provisioning Policies for Creating Identities**

h. Navigate to **Globel Setting** Import from File and load the following files:

/home/spadmin/ImplementerTraining/config/Rule-AllowedValues-Location.xml

/home/spadmin/ImplementerTraining/config/Rule-AllowedValues-Region.xml

/home/spadmin/ImplementerTraining/config/Rule-Validation-EmailAddress.xml

These rules will be used for our Provisioning Policies. The first two generate lists of allowed values we can use to populated drop-down lists. The last rule is used to validate that email addresses are correctly formatted.

# 2. Navigate to Globel Setting Identity Provisioning Policies and next to Create Identity, select Add Policy

#### **Configure Identity Provisioning Policy**

Use the form below to build and modify the provisioning policies for creating and editing identities.

Below is a list of provisioning policies associated with this identity. You can add a new policy by clicking on the 'Add Provisioning Policy' button below or edit an existing one by clicking on it in the list.



- 3. Configure the provisioning policy as shown:
  - a. Name: Identity Create Policy
  - b. Select Add Field
    - i. Attribute: region
    - ii. Display Name: Region
    - iii. Required: checked
    - iv. Scroll down to the Value Properties box.
    - v. Allowed Values: Rule
      - 1. Rule: AllowedValues-Region
    - vi. For the field, select Save
  - c. Select Add Field
    - i. Attribute: location
    - ii. Display Name: Location
    - iii. Required: checked
    - iv. Allowed Values: Rule
      - 1. Rule: AllowedValues-Location
    - v. For the field, select Save
  - d. Select Add Field
    - i. Attribute: name

ii. Display Name: Username

iii. Help Text Value: First.Last

iv. Required: checked

v. For the field, select Save

#### e. Select Add Field

i. Attribute: password

ii. Display Name: Password

iii. Required: checked

iv. For the field, select Save

#### f. Select Add Field

i. Attribute: passwordConfirm

ii. Display Name: Password Confirmation

iii. Required: checked

iv. For the field, select Save

## g. Perform an interim save of the **Identity Create Policy**

i. At the bottom right of the **Provisioning Policy Editor**, select **Save** 

ii. Select **Save** to save the provisioning configuration

iii. Select Identity Provisioning Policies

iv. Select Identity Create Policy

**Note:** The Create Identity policy requires certain fields (i.e. name and password) to be defined before a save is allowed.

#### h. Select Add Field

i. Attribute: firstname

ii. Display Name: First Name

iii. Required: checked

iv. For the field, select Save

#### i. Select Add Field

i. Attribute: lastname

ii. Display Name: Last Name

iii. Required: checked

iv. For the field, select Save

## j. Select Add Field

i. Attribute: email

ii. Display Name: Email

iii. Required: checked

iv. Scroll down to Value Properties

v. Value: <enter email address here>

vi. Validation: Rule

1. Rule: Validation - Email Field

vii. For the field, select Save

### k. Select Add Field

i. Attribute: manager

ii. Display Name: Manager

iii. Required: checked

iv. For the field, select Save

#### l. Select Add Field

i. Attribute: displayName

ii. Display Name: Display Name

iii. Required: checked

iv. For the field, select Save

### m. Select Add Field

i. Attribute: inactive

ii. Display Name: Inactive

iii. Type: Boolean

iv. Required: checked

v. Value Properties, Value: False

vi. For the field, select Save

#### n. Select Add Field

i. Attribute: empId

ii. Display Name: Employee ID

iii. Required: checked

iv. For the field, select Save

### o. Select Add Field

i. Attribute: status

ii. Display Name: Status

iii. Required: checked

iv. Scroll down to Value Properties

v. Value: Contractor

vi. Allowed Values: Value

## 1. Add **Contractor** and **Employee** to the list



vii. For the field, select Save

p. Confirm that the entire Provisioning Policy looks like this:

## **Provisioning Policy Editor** Name: Identity Create Policy Description: None Owner: Add Fleid Remove Field Edit Name Type Region string string Location Username string Password secret Password Confirmation secret First Name string Last Name string Email string Manager Identity string Display Name boolean Inactive Employee ID string Status string

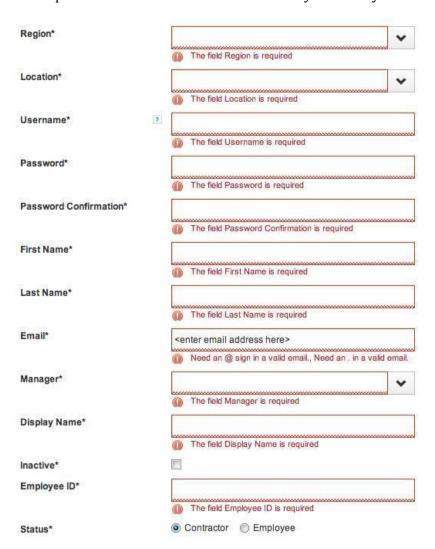
- q. Select **Save** to save the Identity Provisioning Policy
- 4. Select **Save** to save the provisioning configuration:

## **Configure Identity Provisioning Policy** Use the form below to build and modify the provisioning policies for c Below is a list of provisioning policies associated with this identity. You ca it in the list. Type Name Description Create Identity Identity Create Policy Update Identity Self-service Self-service Registration Form This form is used Registration Cancel Save

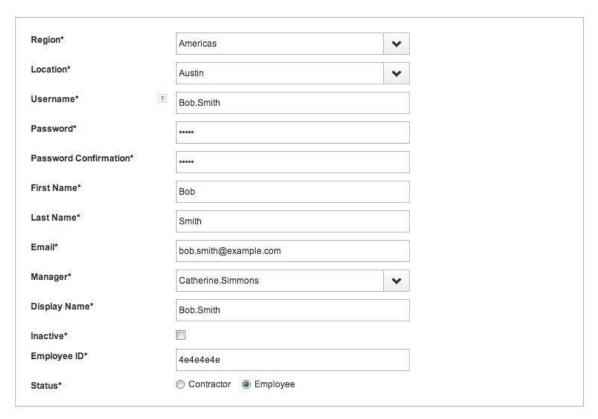
- 5. Logout and login as Catherine.Simmons/xyzzy
- 6. From the Dashboard, click **Create identity** and observe the new Create New Identity page:



7. Without entering any data at all, click **Submit** and observe that our email validation rule and required fields will warn the user about any data entry issues:



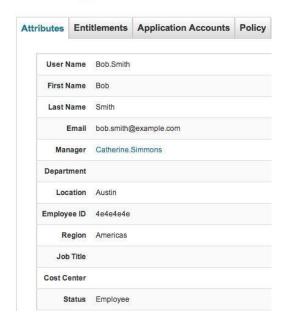
8. Fill in the information as shown. Use *xyzzy* for the password.



- 9. Click **Submit** to submit the new Identity request
- 10. When you see the confirmation page, review and **Submit** the request.

11. Logout and login as **spadmin/admin** and confirm that **Bob.Smith** has an identity cube. Note that this Identity cube has no entitlements or accounts. Currently it is just a shell cube.

## **View Identity Bob.Smith**



- 12. Note that you can further customize the creation of new Identities by the following techniques:
  - a. Additional logic in your provisioning policies
    - i. Data validation Detecting duplicate usernames or email addresses
    - ii. Precalculation of an EmployeeID number
  - b. Customizing the out of the box workflow LCM Create and Update that is responsible for all create and edit operations that occur on Identities when using LCM

# Exercise 5

**Account Management with Lifecycle Manager** 

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Use Case ID:	L04 – E05			
Use Case Name:	LCM account management			
Created By:			Last Updated By:	
Date Created:			Last Revision Date:	
	Actors:	Admin, IIQ System		
Description:		The objective of this section is to manage account access using Lifecycle		
		Manager.		
Preconditions:		IIQ System is Up and Running, LCM setup		
Post cond	Post conditions: Account management		ent, Provisioning	
Normal Flow:		Managing accounts using IdentityIQ		
			2. Performing CRUD	operation operation
Exce	ptions:	NA		
Dependent U	secase:	NA		
Assum	ptions:	NA		
Notes and	Issues:	es: NA		

## Overview:

In this usecase, we are going to setup the following:

- Managing account using LCM
- Performing CRUD on accounts using IdentityIQ LCM

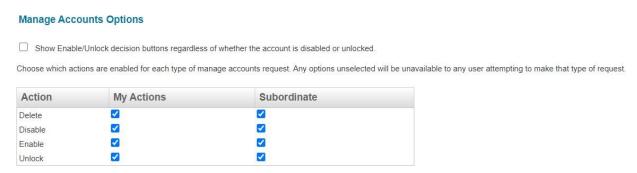
We will explore the following Account functions in this exercise:

- Creating a new account
- Requesting a role
- Requesting a role that will cause a new account request to occur
- Enabling and Disabling accounts

• Unlocking Accounts

## Configure Lifecycle Manager to support account requests

- 1. Navigate to Setting and select Lifecycle Manager
- **2.** Click the **Lifecycle Actions** tab and scroll down past to the **Manage Account Options** section and turn on **Allow requesting new accounts** as shown here:



- 3. Under **General Options** enable **Applications that support additional account requests** for all the applications or **LDAP** and **PRISM**
- 4. Scroll down to the **Manage Accounts Options** and in the drop-down selection box that says: **Applications that support account only requests** add **LDAP** and **PRISM** to the list:



5. Click Save

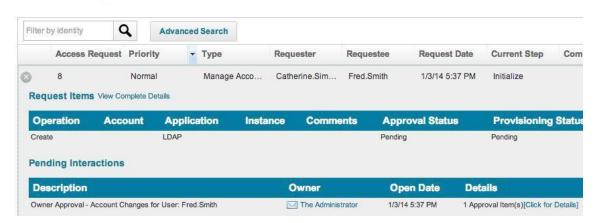
## Request a New LDAP Account for our New User Fred.Smith

- 1. Logout and login as Catherine.Simmons/xyzzy
- **2.** From the Dashboard, select **Manage Accounts** and **For Others**. You will be presented with a list of all the users who report to **Catherine.Simmons**

Note: This is because out of the box, managers can only request items for their direct reports. This is fully configurable through LCM

- 3. Request a new LDAP account for **Fred.Smith** and **Submit** the request
- 4. After you submit the request, look at Catherine's dashboard.
  - a. What warning is displayed? Why?
- 5. Check the status of the Access Request under **Track My Requests**, determine who is the approver and login as that user and approve the access request:

## **Access Requests**



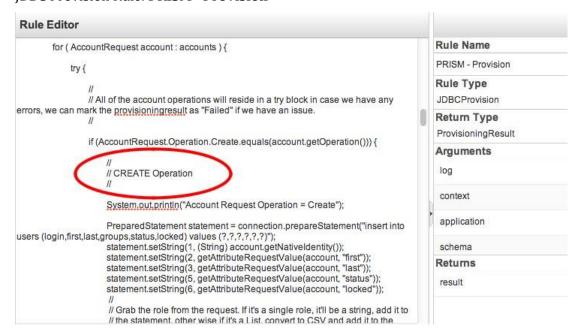
6. Check the LDAP repository and confirm that Fred.Smith has an account in the LDAP server. **Note:** You can search for users by filtering for users and using wildcard searching:



## Request a New PRISM Account for Fred.Smith

Our new employee Fred.Smith also needs an account on the **PRISM** application. Next we will request a **PRISM** account for him. In this section, we will be relying on the **PRISM - Provision** rule to provision this access to the JDBC resource.

- 1. Login as **spadmin/admin** and confirm the PRISM application provisioning rule
  - a. Navigate to the PRISM application, bottom of the Attributes tab, and view the IDBC Provision Rule: PRISM - Provision



- b. Scroll through the rule and list three (of five) provisioning operations handled by this rule (the first provisioning operation is circled above):
- 2. Login as Catherine.Simmons/xyzzy
- 3. From the Dashboard, select Manage Accounts and For Others
- 4. Request a new PRISM account for **Fred.Smith** and **Submit** the request which will send it to the **PRISM Application Owners** workgroup (of which **Walter.Henderson** is a member).
- **5.** From a terminal window, login into MySQL and confirm that there is no account in the application for **Fred.Smith.**

```
[spadmin@training ~]$ mysql -u root -p
Enter password: root
mysql> use prism

mysql> select * from users where login =
'Fred.Smith'; Empty set (0.00 sec)
```

6. Login as the approver, **Walter.Henderson/xyzzy** and approve the changes for the account request on **PRISM**. At this time, the provisioning request for a new **PRISM** account is sent to

the **PRISM - Provision** Rule. This Rule includes some print statements that inform the user of the request that is passed in and the final result. In this case, the following information is printed to the Standard Out log:

```
Entering Provisioning Rule for PRISM
Current Time = Sat Nov 10 09:57:53 CST 2012
The Provisioning Plan being passed in =
<?xml version='1.0' encoding='UTF-8'?>
<!DOCTYPE ProvisioningPlan PUBLIC "sailpoint.dtd" "sailpoint.dtd">
<ProvisioningPlan nativeIdentity="Fred.Smith" targetIntegration="PRISM">
 <AccountRequest application="PRISM" nativeIdentity="Fred.Smith"</pre>
   op="Create"> <AttributeRequest name="first" op="Add" value="Fred"/>
   <attributeRequest name="last" op="Add" value="Smith"/> <attributeRequest
   name="status" op="Add" value="A"/> <AttributeRequest name="locked"
   op="Add" value="N"/>
  </AccountRequest>
  <Attributes>
   <Map>
     <entry key="identityRequestId" value="000000018"/>
     <entry key="requester" value="Catherine.Simmons"/>
     <entry key="source" value="LCM"/>
   </Map>
  </Attributes>
  <Requesters>
   <Reference class="sailpoint.object.Identity" id="ff8080813ade1e61013ae1068df1042d"</pre>
name="Catherine.Simmons"/>
  </Requesters>
</ProvisioningPlan>
*******
Account Request Operation = Create
Preparing to execute: org.apache.commons.dbcp.DelegatingPreparedStatement@1a30be6
********
*****************************
Exiting Provisioning Rule for PRISM.
<ProvisioningResult status="committed"/>
*******
*********
```

7. Back in the terminal window, run the following to confirm that the account is there. (If you've logged out of MySQL since the last usage, remember to specify "use prism".)

- 8. The default values that are created in the **PRISM** application are determined by the Provisioning Policy attached to the **PRISM application**. Notice that the **groups** attribute is empty. If desired, our default provisioning policy could be changed to grant basic **User** access by provisioning the attribute **groups** to include **User** by default.
- 9. If you are interested in more on the Provisioning Policy and PRISM provisioning rule, Login as **spadmin/admin** and look at the **PRISM** application. Investigate both the **Provisioning Policy** and the **PRISM Provision** rule. The provisioning policies provide the values to the plan, and the rule executes what is specified in the plan. Understanding this basic behavior of our provisioning capabilities is very important to understanding how the process works.