

NetSuite Solution Training

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443 North Clark St, Suite 350
Chicago, IL 60610
Ph: (312) 229-1727

www.adeptia.com



A D E P T I A

Prerequisites



1. Setup the tables in backend database as mentioned in the Installation guide.
2. Update the DB Info object and test the connection to the NetSuite database.

The screenshot shows the NetSuite configuration interface for a Database Info object. The breadcrumb trail is: Configure > Services > Connector > Database Info > DatabaseConnToNetSuiteSQLServer. The left sidebar shows a tree view with 'Database Info' selected. The main area displays the 'Standard properties' section with the following fields:

- Name: DatabaseConnToNetSuiteSQLServer
- Description: For connect to SQL Server Database
- Select JDBC Driver: Use Existing (SQLServerJTDSDriver (JTDS Driver for SQL Serv...))
- Server URL: jdbc:sqlserver://localhost:1433/n
- User: sa
- Password: [masked]
- Confirm Password: [masked]

A green callout box with a white background and a green border contains the text: "Edit the DB Info object specific to your database. If your backend is MySQL or Sql Server than edit that object only." Below the form is a "Test Database Connection" button.

3. Go to Design > Process Flows and verify that all the NetSuite related flows are there.
4. Verify that your NetSuite login account (provided during Adeptia installation) is correct.

Goals of this training



1. Learn NetSuite solution framework
2. How to modify the search criteria to extract data from NetSuite
 - a. Get last modified this week
 - b. Execute the SearchContact_From_NetSuite
3. How to update/insert data from a database to NetSuite
 - a. Change a record in the database
 - b. Execute the ContactUpdateList_to_NetSuite flow

Understanding the Solution Framework

The screenshot displays the Adeptia Integration Suite interface. On the left, a tree view shows the 'Design > Process Flow' section. The main area shows a list of process flows with columns for Name, Description, and Status. A table of process flows is visible, with the last row selected. On the right, a NetSuite contact record for 'Allister Sullivan' is shown. Below this, a SQL query is executed in a 'Database' window, returning a single record from the 'Lists_Contact' table. The record shows 'mailID' 1, 'billPay' 2006-07-25 02:00:00.000, 'lastModifiedDate' 2011-10-17 13:09:17.000, and 'modifyBy' 'SynchronizedByAdeptia'.

Solution Framework:

Executing NetSuite solution process flows will connect Adeptia to NetSuite and depending upon the search criteria Adeptia will extract the data records from NetSuite and load it into the database. The solution allows end-users to synchronize NetSuite data with backend database.

1. After executing the process check the logs and verify that the process flow has executed successfully. Check the status of each activity by going to the Details section of the process logs. In the Repository there will be several intermediate files that are archived and one of them will contain confirmation (SOAP XML) from NetSuite in terms of the data record that is picked up from the application.
2. Now go to the database of the object table (such as Lists_Contact, Lists_Customers etc) and you will see the new data that is picked up from NetSuite.
3. When the data is picked up from NetSuite the modifyBy field is set to "SynchronizedByAdeptia". This means that the data is successfully picked up by Adeptia and is loaded into the Database.
4. The NetSuite solution flows are of two types:
 - a. Search From NetSuite: get data from NetSuite based on a search criteria and load the data into the database tables.
 - b. Insert/Update To NetSuite: Take data from database and load it into NetSuite.

Also refer to NetSuite SuiteTalk (<http://www.NetSuite.com/portal/developers/suitetalk.shtml>) guidelines to understand how the Web Service communication works and what type of methods are supported.

Understanding the Solution Framework (cont.)

The screenshot displays the Adeptia Integration Suite interface. The top section shows a 'Design > Process Flow' view with a table of data flows. A red circle highlights a specific flow, and red arrows point from it to a 'Web Services' configuration window. The 'Web Services' window shows a list of consumers, including 'NS_AddWS', 'NS_SearchMore', 'NS_UpdateWS', 'NS_Search', 'NS_LogoutWS', and 'NS_LoginWS'. The bottom right corner features the Adeptia logo.

#	Name	Description	Owner	Perm.	Modified
12	PA_SearchOAccountData_From_NetSuite	PA Data From NetSuite and Migrates to Database Tables	NetSuiteUser	RWX	07/20/11 12:49
13	PA_SearchInventoryData_From_NetSuite	PA Data From NetSuite and Migrates to Database Tables	NetSuiteUser	RWX	07/20/11 12:23
14	PA_SearchSalesData_From_NetSuite	PA Data From NetSuite and Migrates to Database Tables	NetSuiteUser	RWX	07/20/11 12:23
15	PA_SearchOpportunityData_From_NetSuite	PA Data From NetSuite and Migrates to Database Tables	NetSuiteUser	RWX	07/20/11 12:23
16	PA_SearchProductSalesData_From_NetSuite	PA Data From NetSuite and Migrates to Database Tables	NetSuiteUser	RWX	07/20/11 12:23
17	PA_SearchProductSalesData_From_NetSuite	PA Data From NetSuite and Migrates to Database Tables	NetSuiteUser	RWX	07/20/11 12:23
18	PA_SearchCustomerData_From_NetSuite	PA Data From NetSuite and Migrates to Database Tables	NetSuiteUser	RWX	07/19/11 18:51
19	PA_SearchCustomerData_From_NetSuite	PA Data From NetSuite and Migrates to Database Tables	NetSuiteUser	RWX	07/19/11 18:51
20	PA_SearchCustomerData_From_NetSuite	PA Data From NetSuite and Migrates to Database Tables	NetSuiteUser	RWX	07/19/11 18:51
21	PA_SearchCustomerData_From_NetSuite	PA Data From NetSuite and Migrates to Database Tables	NetSuiteUser	RWX	07/18/11 13:13
22	PA_SearchCustomerData_From_NetSuite	PA Data From NetSuite and Migrates to Database Tables	NetSuiteUser	RWX	07/14/11 13:42
23	PA_PhysicalCustomerData_From_NetSuite	Process flow to extract customer data with NetSuite	NetSuiteUser	RWX	01/21/09 13:12
24	T_3702Object_From_NetSuite	PA Data From NetSuite to Desktop Schemas	NetSuiteUser	RWX	04/16/09 18:48
25	T_3702Object_From_NetSuite	Process the CSV data and Create New Leads in NetSuite	NetSuiteUser	RWX	04/16/09 17:59

#	Name	Description	Style	Owner
1	NS_AddWS	Web service to add leads on Netsuite	document	NetSuiteUser
2	NS_SearchMore	Makes the Search More Web service Call to NetSuite	document	NetSuiteUser
3	NS_UpdateWS	To Update Existing Leads in Netsuite	document	NetSuiteUser
4	NS_Search	Makes the Search Web service Call to NetSuite	document	NetSuiteUser
5	NS_LogoutWS	Logout request to netsuite	document	NetSuiteUser
6	NS_LoginWS	Web service to login in NetSuite	document	NetSuiteUser

Solution Framework:

Communication between Adeptia and NetSuite occurs through Web Services. Go to Configure > Services > Web Service > Consumer to view the different Web Service consumer calls Adeptia makes to NetSuite ranging from Adding/Updating data to NetSuite and Searching data from NetSuite. These are pre-defined Web Service Consumer activities which are included within Adeptia's NetSuite solution and you do not need to make any changes here.

Exercise 1: Searching new Modified Contacts

The screenshot displays the Adeptia Integration Suite interface. The left sidebar shows a navigation tree with 'Services' expanded to 'Extensions', where 'Custom Plugin' is selected. The main area shows the configuration for the 'PA_Contacts_GenerateSearchMessage' plugin. A table lists several plugins, with the first one selected. Below the table, the 'Standard properties' section shows the plugin's name and description. The 'Script' section contains a JavaScript code snippet for generating a SOAP search request.

Standard properties

#	Name	Description	Owner	Perm.	Modified
1	PA_Contacts_GenerateSearchMessage	Generates input to the search Contact from NetSuite	NetSuiteUser	RWX	10/27/11 13:10
2	PA_SalesOrder_C				
3	PA_kitItem_Gene				
4	PA_Opportunity_I				
5	PA_InventoryIter				
6	PA_ServiceSaleIt				
7	PA_discountItem				
8	PA_CreditMemos				
9	PA_CashSales_G				
10	PA_CashRefund_I				
11	PA_AssemblyIter				

Script

```
StringBuffer buffer = new StringBuffer();
buffer.append("<?xml version='1.0' encoding='UTF-8'?>");
buffer.append("<platformMsgs:search
xmlns:soapenc='http://schemas.xmlsoap.org/soap/encoding/'
xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
xmlns:xsd='http://www.w3.org/2001/XMLSchema'
xmlns:s0='urn:relationships_2010_2.lists.webservices.netsuite.com'
xmlns:s1='urn:common_2010_2.platform.webservices.netsuite.com'
xmlns:platformMsgs='urn:messages_2010_2.platform.webservices.netsuite.com'>");
buffer.append("<platformMsgs:searchRecord xsi:type='s0:ContactSearch'>");
buffer.append("<s0:basic>");
buffer.append("<s1:lastModifiedDate operator='within'>");
buffer.append
("<platformCore:predefinedSearchValue>thisWeek</platformCore:predefinedSearchValue>");
buffer.append("</s1:lastModifiedDate>");
buffer.append("</s0:basic>");
buffer.append("</platformMsgs:searchRecord >");
buffer.append("</platformMsgs:search>");
service.write(buffer.toString().getBytes(), "default");
```

Execute the Search_Contact_From_NetSuite flow:

1. The search criteria for getting data from NetSuite of a particular data object such as Contacts, Customers etc are stored in a custom plugin.
2. Go to Configure > Services > Extensions and select the Contacts_GenerateSearchMessage plugin as shown in the image above.
3. In this plugin there are three parameters that we can edit to modify our search request:
 - Search basis and the operator: Example 'lastModifiedDate' and 'within'. For instance if we need to get all the records that were modified within a certain time period.
 - Condition value: Example 'thisWeek'. For instance get all modified Contacts that were modified within this week.
4. To learn more about the different criteria supported by NetSuite please check the next page.

Exercise 1: Searching new Modified Contacts (cont.)

Options that can be set in the Search custom plugins.

Example:

```
lastModifiedDate
within
thisWeek
```

Refer to notes

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S.No.	SearchDateFieldOperator	SearchDateCriteria
1	after	lastBusinessWeek
2	before	lastFiscalQuarter
3	empty	lastFiscalQuarterToDate
4	notAfter	lastFiscalYear
5	notBefore	lastFiscalYearToDate
6	notEmpty	lastMonth
7	notOn	lastMonthToDate
8	notOnOrAfter	lastRollingQuarter
9	notOnOrBefore	lastRollingYear
10	notWithin	lastWeek
11	on	lastWeekToDate
12	onOrAfter	nextBusinessWeek
13	onOrBefore	nextFiscalQuarter
14	within (till 49 below)	nextFiscalYear
15		nextFourWeeks
16		nextMonth
17		nextOneMonth
18		nextOneQuarter
19		nextOneWeek
20		nextOneYear
21		nextWeek
22		previousOneDay
23		previousOneMonth
24		previousOneQuarter
25		previousOneWeek
26		previousOneYear
27		previousRollingQuarter
28		previousRollingYear
29		sameMonthLastFiscalQuarter
30		sameMonthLastFiscalQuarterToDate
31		sameMonthLastFiscalYear
32		sameMonthLastFiscalYearToDate
33		sameQuarterLastFiscalYear
34		sameQuarterLastFiscalYearToDate
35		thisBusinessWeek
36		thisFiscalQuarter
37		thisFiscalQuarterToDate
38		thisFiscalYear
39		thisFiscalYearToDate
40		thisMonth
41		thisMonthToDate
42		thisRollingQuarter
43		thisRollingYear
44		thisWeek
45		thisWeekToDate
46		thisYear
47		today
48		tomorrow
49		yesterday

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Search criteria consists of three parts:

1. Search basis: This forms the basis of your search, for example I want all the last modified Contacts
2. Operator: This forms the operational attribute of the condition such as 'within' >> I want all the last modified Contacts within certain date/time.
3. Criteria value: This forms the time constraint of your search condition >> I want all the last modified Contacts within this week.

Note that all the search criteria values are case sensitive and must follow the format as listed in the table above. Adeptia can provide more

details on the search logic if further clarification is needed. To find out how to get the search base criteria other than lastModified, just click on the field in the NetSuite

GUI and you will see the technical field name that you can use as part of the search criteria. For example if you click on Date Created the Field ID is datecreated.

Now

you can use this field name as part of your search.

Exercise 1: Searching new Modified Contacts (cont.)

Running the process flow to get all the Contacts that were modified this week. See notes.

The screenshot displays the NetSuite interface for editing a contact. The contact details for Allister Sullivan at Sullivan Distributors, Inc. are shown, including job title (Sales Rep), main phone (800-555-2830), and address (1500 Central Pkwy, Chicago, IL 60610). Below this, the Adeptia Integration interface is visible, showing a list of process flows. The 'Design > Process Flow' section is active, and the 'SearchContact_From_NetSuite' process flow is selected and highlighted. A text box on the right side of the screenshot reads: 'Integration Make changes to NetSuite record and then run the flow in Adeptia.' A 'Refer to notes' button is also present in the Adeptia interface.

#	Name	Description	Owner	Perms	M...
13	PA_SearchInventoryItem_From_NetSuite	Pull Data from Netsuite and Migrate to Database Tables	NetSuiteUser	RWX	09/20/11 14:43
14	PA_SearchItemsFrom_From_NetSuite	Pull Data from Netsuite and Migrate to Database Tables	NetSuiteUser	RWX	07/20/11 14:18
15	PA_SearchOpportunity_From_NetSuite	Pull Data from Netsuite and Migrate to Database Tables	NetSuiteUser	RWX	07/20/11 12:49
16	PA_SearchServiceSalesItem_From_NetSuite	Pull Data from Netsuite and Migrate to Database Tables	NetSuiteUser	RWX	07/20/11 12:23
17	PA_SearchInvoices_From_NetSuite	Pull Data from Netsuite and Migrate to Database Tables	NetSuiteUser	RWX	07/20/11 11:30
18	PA_SearchAssemblyItem_From_NetSuite	Pull Data from Netsuite and Migrate to Database Tables	NetSuiteUser	RWX	07/19/11 18:51
19	PA_SearchCashRefund_From_NetSuite	Pull Data from Netsuite and Migrate to Database Tables	NetSuiteUser	RWX	07/19/11 18:27
20	PA_SearchSalesOrder_From_NetSuite	Pull Data from Netsuite and Migrate to Database Tables	NetSuiteUser	RWX	07/19/11 17:26
21	PA_SearchCustomer_From_NetSuite	Pull Data from Netsuite and Migrate to Database Tables	NetSuiteUser	RWX	07/18/11 13:13
22	PA_SearchContact_From_NetSuite	Pull Data from Netsuite and Migrate to Database Tables	NetSuiteUser	RWX	07/14/11 15:25
23	PA_PtoSyncDatabase_with_NS	ProcessFlow to Synchronized database with Netsuite	NetSuiteUser	RWX	01/21/09 13:12
24	T_XYZObject_From_NetSuite	Pull Data from Netsuite to Internal System	NetSuiteUser	RWX	04/16/08 10:00

Login to your NetSuite account and go to Lists > Relationships > Contacts > Search > Edit any Contact (such as Address, Title etc.).

We will then retrieve this modified record when we execute the below process flow. Go to Design > Process Flow > Select the SearchContact_From_NetSuite and click on execute. And then click on view process flow logs.

Exercise 1: Searching new Modified Contacts (cont.)

Checking the results of the transaction execution. See notes.

Refresh | View Process flow log

Activity Name	Activity Type	Status	UserID	Start Time	End Time	Action
NS_LogoutWS	WsMessageCall	Executed	NetSuiteUser	10/18/2011 14:19:00	10/18/2011 14:19:00	Details Diagnostics
Scripted-Guard	Condition	Executed	NetSuiteUser	10/18/2011 14:19:00	10/18/2011 14:19:00	Details Diagnostics
PA_ContactDataTarget	AdvancedDatabaseTarget	Executed	NetSuiteUser	10/18/2011 14:18:59	10/18/2011 14:19:00	Details Diagnostics
PA_ContactSearch_Resp	DataMapping	Executed	NetSuiteUser	10/18/2011 14:18:57	10/18/2011 14:18:59	Details Diagnostics
NS_Search	WsMessageCall	Executed	NetSuiteUser	10/18/2011 14:18:56	10/18/2011 14:18:57	Details Diagnostics
PA_Contacts_GenerateSearchMessage	CustomPlugin	Executed	NetSuiteUser	10/18/2011 14:18:55	10/18/2011 14:18:56	Details Diagnostics
Login	Call Tag	Executed	NetSuiteUser	10/18/2011 14:18:50	10/18/2011 14:18:55	Details Diagnostics
PA_SearchContact_From_NetSuite	Transaction	Executed	NetSuiteUser	10/18/2011 14:18:49	10/18/2011 14:19:02	Details Diagnostics

Process Flow Log Details

Process Flow Log Details							
Process Flow Name	PA_SearchContact_From_NetSuite						
Process Flow Id	192168001137121517461268700003						
Process Flow PID	192168005062131896552949501181						
Status	Executed						
Start Time	10/18/2011 14:18:49						
End Time	10/18/2011 14:19:02						
Triggered By (User Name)	NetSuiteUser						
Triggered By (User Id)	192168001041120574962729600003						
Triggered Event Type	Manual						
Process Flow Execution Time	17 second (s) 781 ms						
Activity Name (ID)	Activity Type	Start Time	End Time	Execution Time	Status	Processed Data (Bytes/Records)	Error Records
NS_LogoutWS (192168001012120047815709300006)	WsMessageCall	10/18/2011 14:19:00	10/18/2011 14:19:00	0 ms	Executed	0	0
Scripted-Guard (NA)	Condition	10/18/2011 14:19:00	10/18/2011 14:19:00	15 ms	Executed	0	0
PA_ContactDataTarget (192168001137121517461268700004)	AdvancedDatabaseTarget	10/18/2011 14:18:59	10/18/2011 14:19:00	1 second (s) 61 ms	Executed	2	0
PA_ContactSearch_Resp (192168001137121517461268700005)	DataMapping	10/18/2011 14:18:57	10/18/2011 14:18:59	1 second (s) 202 ms	Executed	2321	0
NS_Search (1921680012021212130)	WsMessageCall	10/18/2011 14:18:56	10/18/2011 14:18:57	1 second (s) 14 ms	Executed	0	0
PA_Contacts_GenerateSearchMessage (NA)	CustomPlugin	10/18/2011 14:18:55	10/18/2011 14:18:56	1 second (s) 30 ms	Executed	0	0
Login (NA)	Call Tag	10/18/2011 14:18:50	10/18/2011 14:18:55	5 second (s) 519 ms	Executed	0	0

[View details](#)

Refer to notes

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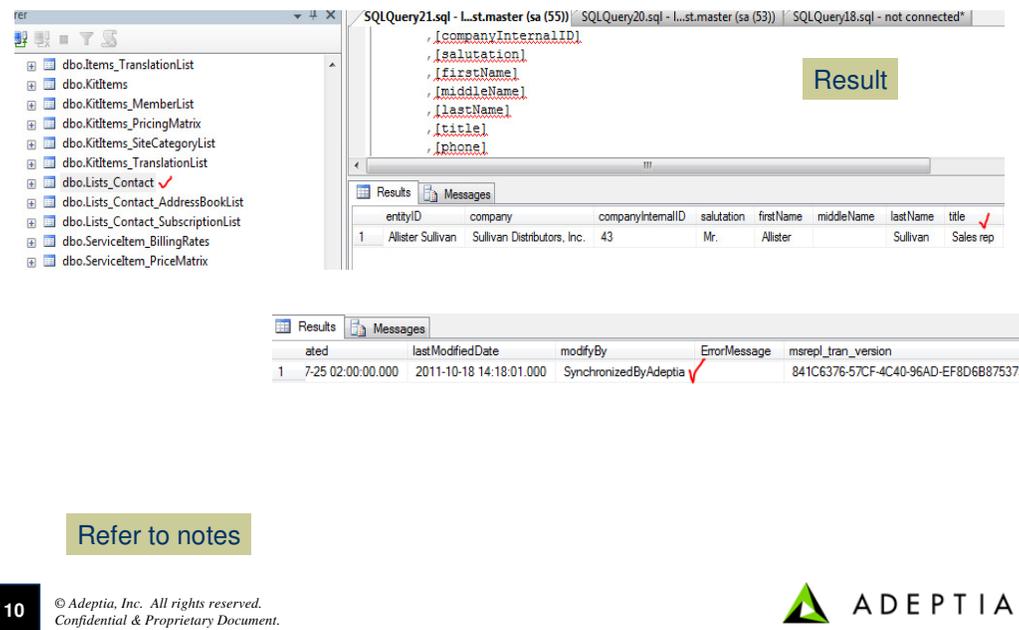
Login to your NetSuite account and go to Lists > Relationships > Contacts > Search > Edit any Contact (such as Address, Title etc.).

We will then retrieve this modified record when we execute the below process flow. Go to Design > Process Flow > Select the SearchContact_From_NetSuite and click on execute. And then click on view process flow logs.

Process Flow logs will show the status of every step in descending order (latest step on top). You can click on the Details link to see further details of the transaction. To view the actual data in XML, you can click on the Repository link in the Details page and view the SOAP XML files.

Exercise 1: Searching new Modified Contacts (cont.)

Checking the results in the backend database



The screenshot displays the SQL Server Enterprise Manager interface. The left pane shows a tree view of the database schema, with 'dbo.Lists_Contact' selected. The right pane shows the results of a query. The query text is:

```
SELECT [companyInternalID], [salutation], [firstName], [middleName], [lastName], [title], [iphone]
```

The results table shows one record for Alistair Sullivan, with the title 'Sales rep'. Below the results table, a 'Messages' pane shows a message indicating the record was successfully synchronized by Adeptia.

entityID	company	companyInternalID	salutation	firstName	middleName	lastName	title
1	Alistair Sullivan	Sullivan Distributors, Inc.	43	Mr.	Alistair	Sullivan	Sales rep

id	ated	lastModifiedDate	modifyBy	ErrorMessage	msrepl_tran_version
1	7-25 02:00:00.000	2011-10-18 14:18:01.000	SynchronizedByAdeptia		841C6376-57CF-4C40-96AD-EF8D6B875373

Refer to notes

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The database records in the table in Lists_Contact will now contain all the records from NetSuite modified this week. In our example, we edited

Alistair Sullivan's Title to Sales Rep and now after running the process flow the database contains that record with all the fields.

In addition to the record fields, Adeptia has also added fields such as 'modifyBy', 'LastModifiedDate' and 'ErrorMessage' to help keep track of the status.

The status after loading the data into the table shows 'SynchronizedByAdeptia' meaning that database is now in-synch with NetSuite in regards to that record.

When loading data into NetSuite, these fields help identify if any record fails to get uploaded into NetSuite due to any errors. Users can correct those errors and re-run the flow.

Exercise 2: Loading new/updated data records

Update/insert Contact records into database and change their status to 'ModifiedByWeb' in modifyBy field.

The screenshot shows the SQL Server Enterprise Manager interface. On the left, a tree view displays the database schema, with 'dbo.Lists_Contact' selected. The main window shows a SQL query window with the following query:

```
SELECT TOP 1000 (NetSuiteInternalID),  
[customForm],  
[customFormInternalID],  
[entityID],  
[company],  
[companyInternalID],  
[salutation],  
[firstName],  
[middleName],  
[lastName],  
[title]
```

The Results window shows the following data:

entityID	company	companyInternalID	salutation	firstName	middleName	lastName	title
1	Allister Sullivan	Sullivan Distributors, Inc.	43	Mr.	Allister	Sullivan	BusinessUser

Below the Results window, another Results window shows the following data:

dateCreated	lastModifiedDate	modifyBy	ErrorMessage	msrepl_tran_version
1	2006-07-25 02:00:00.000	2011-10-18 14:18:01.000	ModifiedByWeb	841C6376-57CF-4C40-96AD-EF8D6B875373

Refer to notes

Update the modifyBy field to 'ModifiedByWeb'. This flag enables Adeptia's process to pick up the changed data and load it into NetSuite.

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Update or Insert data into the database table. For now you can update the existing record in the Lists_Contact table and make changes to some of the values.

Adeptia identifies the records that need to be picked up by flag set in the modifyBy field. If it contains 'ModifiedByWeb' then that record will be picked up as part of the database extraction and will be loaded into NetSuite.

Such as update the data record by running these two SQL queries:

```
UPDATE NetSuite.dbo.Lists_Contact  
SET Title = 'BusinessUser'  
WHERE NetSuiteInternalID = 42  
GO
```

The above query will change the Title of this record to BusinessUser.

```
UPDATE NetSuite.dbo.Lists_Contact  
SET modifyBy = 'ModifiedByWeb'  
WHERE NetSuiteInternalID = 42  
GO
```

The above query will change the modifyBy to 'ModifiedByWeb'.

Exercise 2: Loading new/updated data records (cont.)

Now run the process PA_ContactUpdateList_To_NetSuite flow which will pick data from database and load it into NetSuite.

#	Name	Description	Owner	Perm
1	PA_SalesOrderAddList_To_Netsuite	Push new records from Database to Netsuite	NetSuiteUser	RWX
2	PA_CustomerAddList_To_Netsuite	Push new records from Database to Netsuite	NetSuiteUser	RWX
3	PA_ContactAddList_To_Netsuite	Push new records from Database to Netsuite	NetSuiteUser	RWX
4	PA_UpsertRecords_To_NetSuite	ProcessFlow to Update and add records to Netsuite	NetSuiteUser	RWX
5	PA_ContactUpdateList_To_Netsuite	Push Updated data from Database to Netsuite	NetSuiteUser	RWX
6	PA_OpportunityUpdateList_To_Netsuite	Push Updated data from Database to Netsuite	NetSuiteUser	RWX
7	PA_OpportunityAddList_To_Netsuite	Push new records from Database to Netsuite	NetSuiteUser	RWX

Activity Name	Activity Type	Status	UserID	Start Time	End Time	Action
PA_MailNotificationFor_PullPFs	MailNotification	Running	NetSuiteUser	10/18/2011 15:34:29	NA	Details Diagnostics
NS_LogoutWS	WsMessageCall	Executed	NetSuiteUser	10/18/2011 15:34:29	10/18/2011 15:34:29	Details Diagnostics
PA_DBTarget_UpdateListContact	DataBesseTarget	Executed	NetSuiteUser	10/18/2011 15:34:29	10/18/2011 15:34:29	Details Diagnostics
PA_UpdateListResponse_Contact_Map	DataMapping	Executed	NetSuiteUser	10/18/2011 15:34:28	10/18/2011 15:34:29	Details Diagnostics
NS_UpdateWS	WsMessageCall	Executed	NetSuiteUser	10/18/2011 15:34:26	10/18/2011 15:34:28	Details Diagnostics
Login	Call Tag	Executed	NetSuiteUser	10/18/2011 15:34:20	10/18/2011 15:34:26	Details Diagnostics
PA_ContactUpdateList_Map	DataMapping	Executed				
Context-Guard	Condition	Executed				
RepeaterService	RepeaterService	Executed				
PA_DBSource_UpdateListContact	AdvancedDatabaseSource	Executed				
PA_ContactUpdateList_To_Netsuite	Transaction	Running				

Check the process logs and view the details. You can also view the XML intermediate files by going to Repository.

Refer to notes

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By executing this flow, Adeptia will pick the records from the Contact (and child tables) database and will load this data into NetSuite.

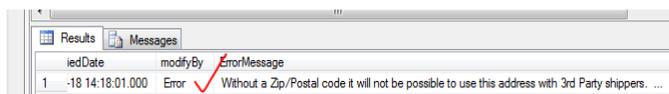
If there are any errors while loading data into NetSuite then check the Error Description field to see what the error is and how to resolve it. If for example the Error Description is saying that a particular mandatory fields value is missing than you can correct that field, change the modifyBy field to ModifiedByWeb and rerun the flow. Rest of the records that are successfully loaded into NetSuite will have their status changed to “SynchronizedByAdeptia”.

After process flow executes you can go to NetSuite and do a refresh to see the changes for that contact.

Error Handling

When inserting/updating data into NetSuite, Adeptia handles error conditions by inserting the error description into the ErrorMessage field of the database table. The message is captured from NetSuite and can be viewed by the end-user by checking the error message in the table. User can make the corrections and rerun the flow.

- dbo.KitItems_TranslationList
- dbo.Lists_Contact
- dbo.Lists_Contact_AddressBookList
- dbo.Lists_Contact_SubscriptionList



The screenshot shows a database results window with a 'Messages' tab. The table has three columns: 'id', 'modifyBy', and 'ErrorMessage'. The first row contains the following data: '1', '-18 14:18:01.000', 'Error', and 'Without a Zip/Postal code it will not be possible to use this address with 3rd Party shippers. ...'. A red checkmark is visible next to the 'Error' status.

id	modifyBy	ErrorMessage
1	-18 14:18:01.000	Error Without a Zip/Postal code it will not be possible to use this address with 3rd Party shippers. ...

In this example, the zip code is missing in the Contact's address information. Adeptia captures the error thrown by NetSuite as part of the Web Service communication and is displayed here.

[Refer to notes](#)

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After making corrections to your data depending upon the error message you can rerun the flow by first changing the modifyBy field to ModifiedByWeb and execute the flow. Records that are successfully loaded into NetSuite will have their status changed to "SynchronizedByAdeptia".