Leading the **Integration** Revolution

Your business problems have changed.
Why hasn't your integration solution?

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Using Adeptia

Use Case: Triggering orchestration with Database Event

Use Case highlights

In this use case we will go through following steps:

1. Use the Events to create a Database Trigger in a database (MS Sql Server)
2. Attach the Database Event to Process flow using Event Registry
3. Insert or update a record in the database to trigger the process flow
4. Monitor the run-time Events dashboard to see the run-time logs

Design methodology

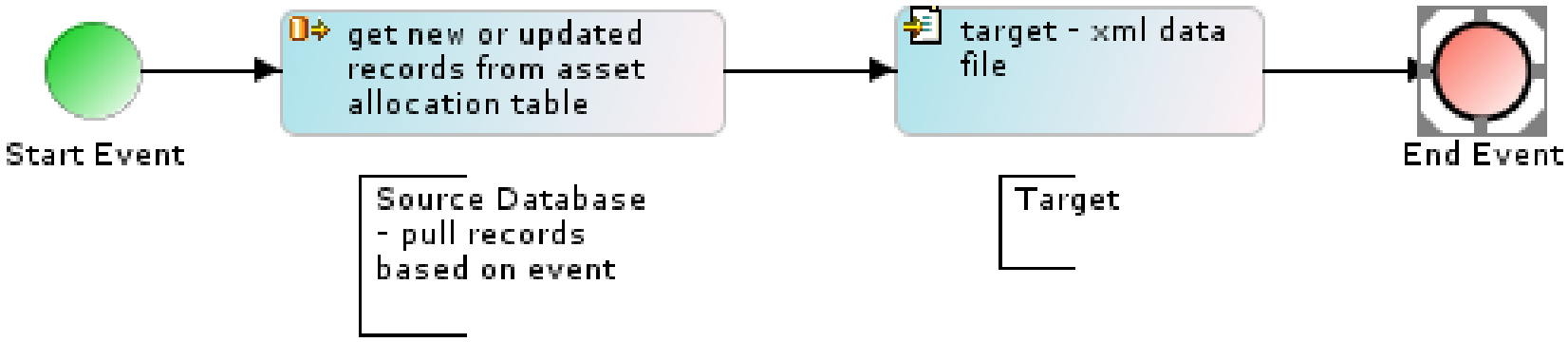
Design a high level process flow

Configure all the activities in the process flow

Attach to Database Event

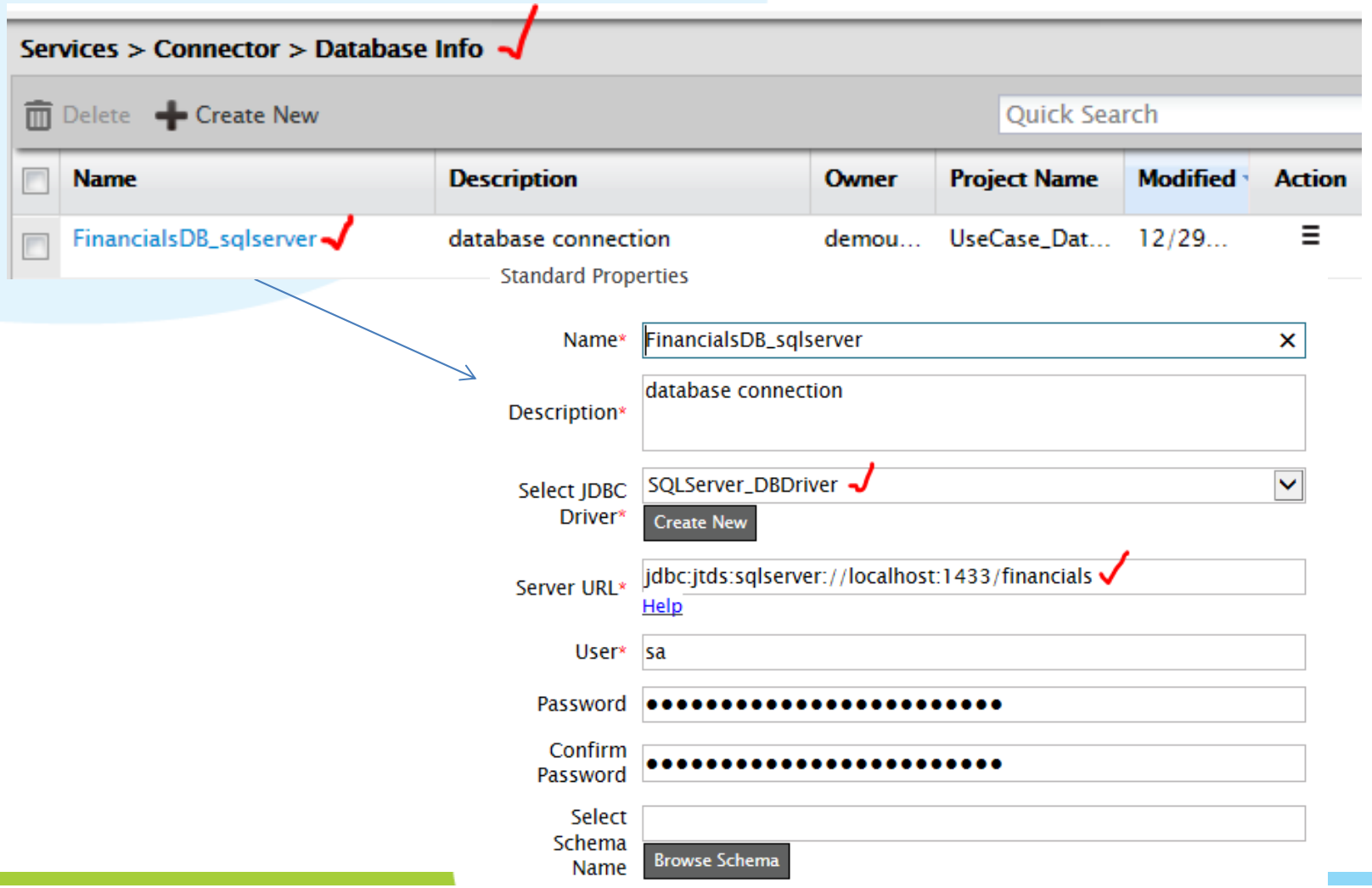
Design: Process Flow

Please refer to the Use Case video describing how to build this process flow



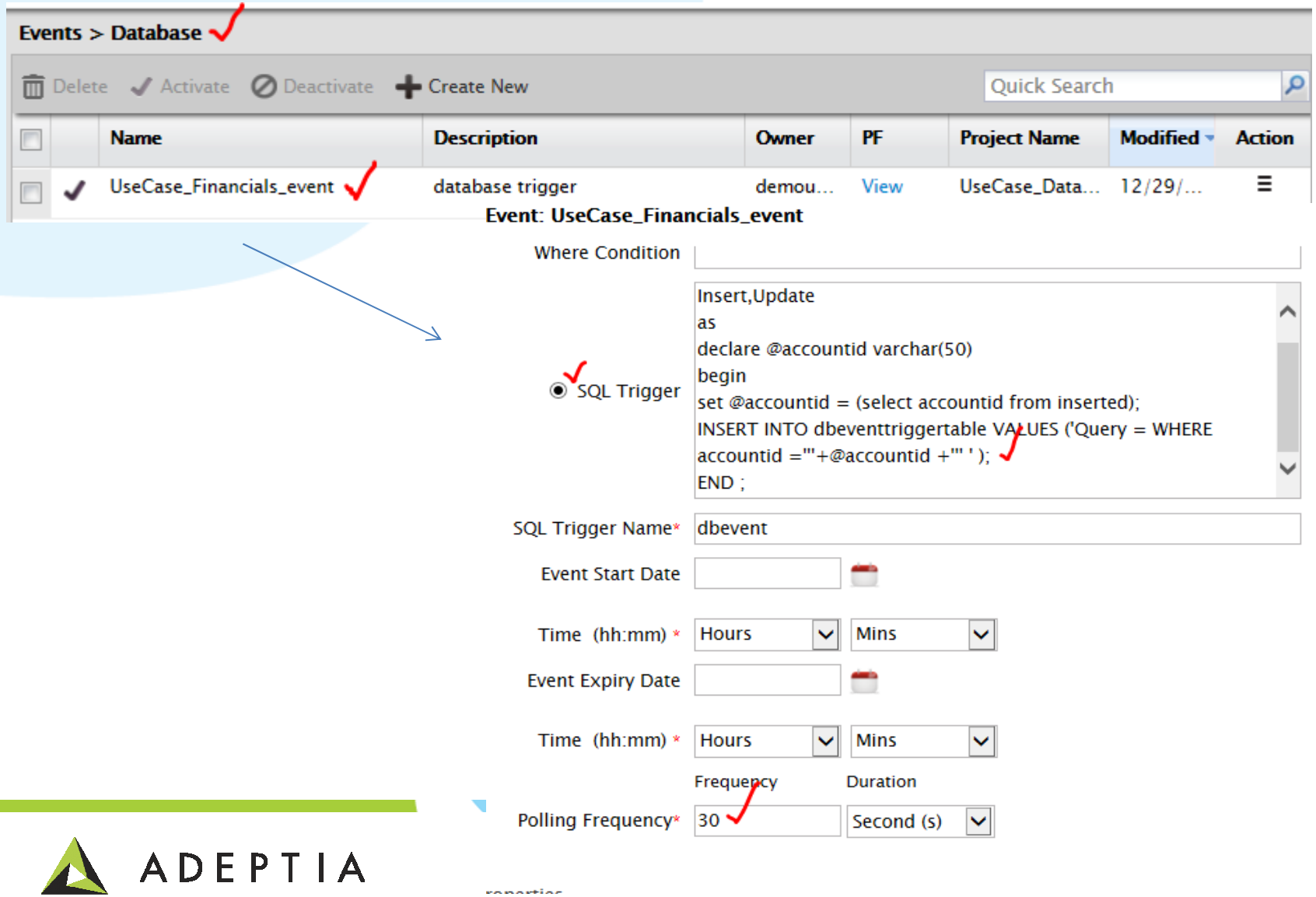
Configure – Database Info

Go to Develop > Services > Database Info



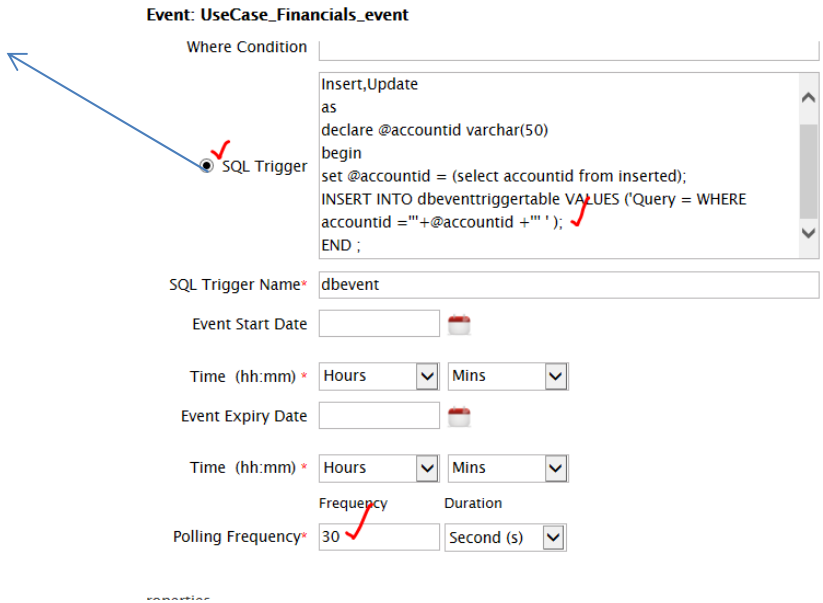
Configure – Database Event

Go to Develop > Events > Database



Configure – Database Event Sql Trigger syntax

```
create trigger dbevent on dbo.assetallocation for
Insert,Update
as
declare @accountid varchar (50)
begin
set @accountid = (select accountid from inserted);
INSERT INTO dbeventtriggertable VALUES ('Query = WHERE accountid ='''+@accountid
+''' ' );
END ;
```



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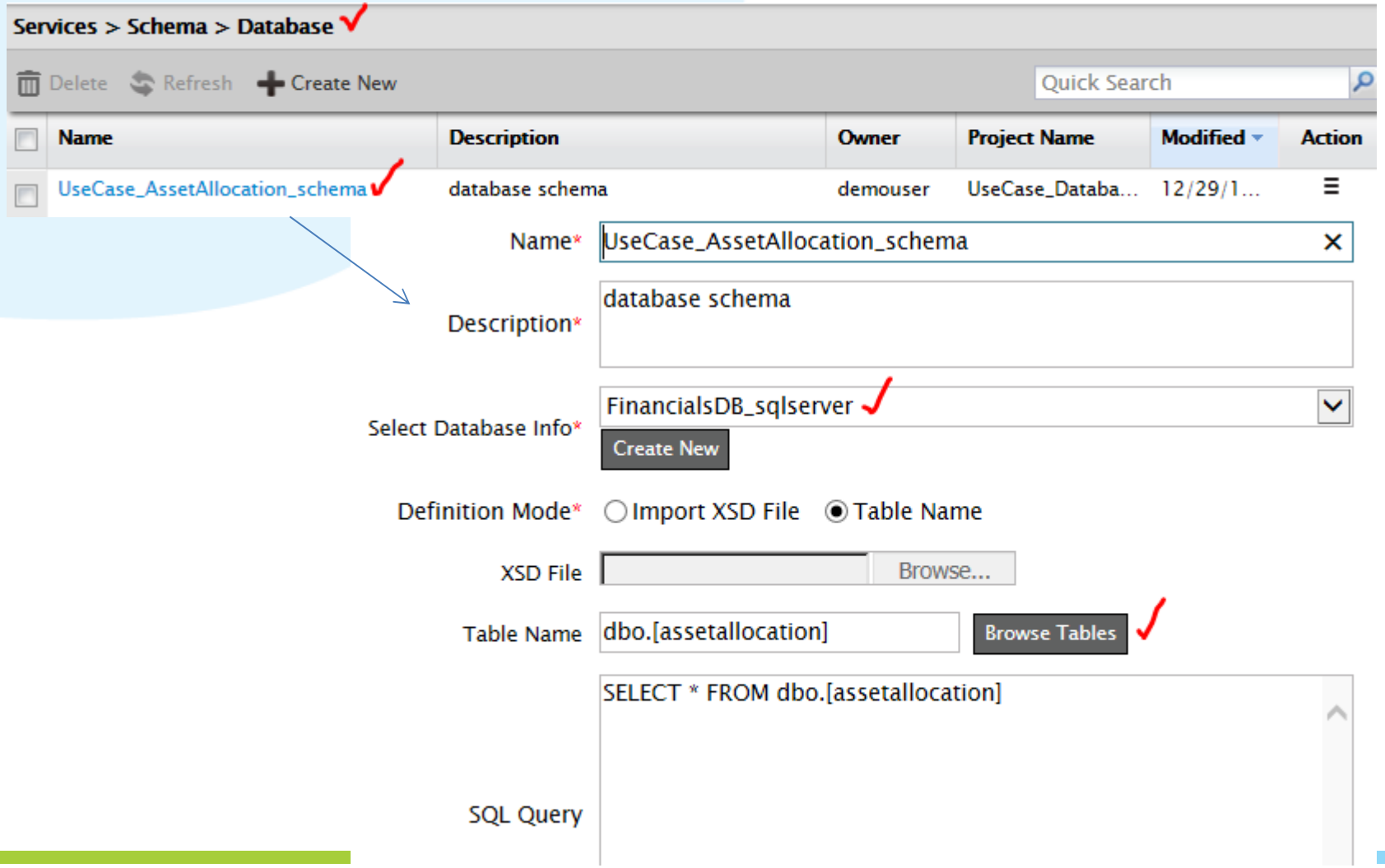
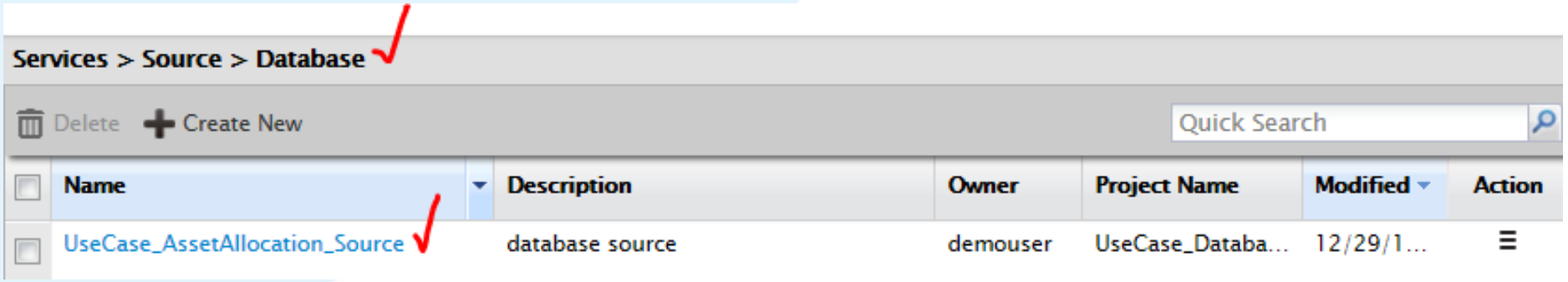
Configure – Database Source Schema

Go to Develop > Services > Schema > Database

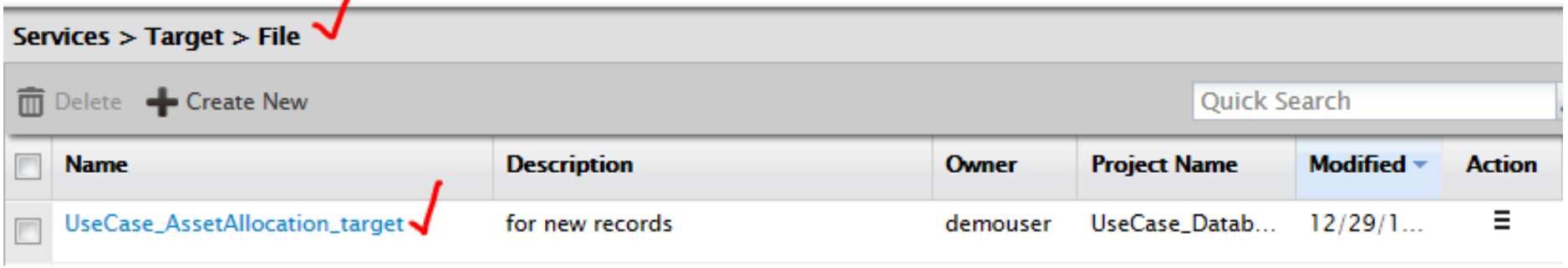


Configure – Database Source & File Target

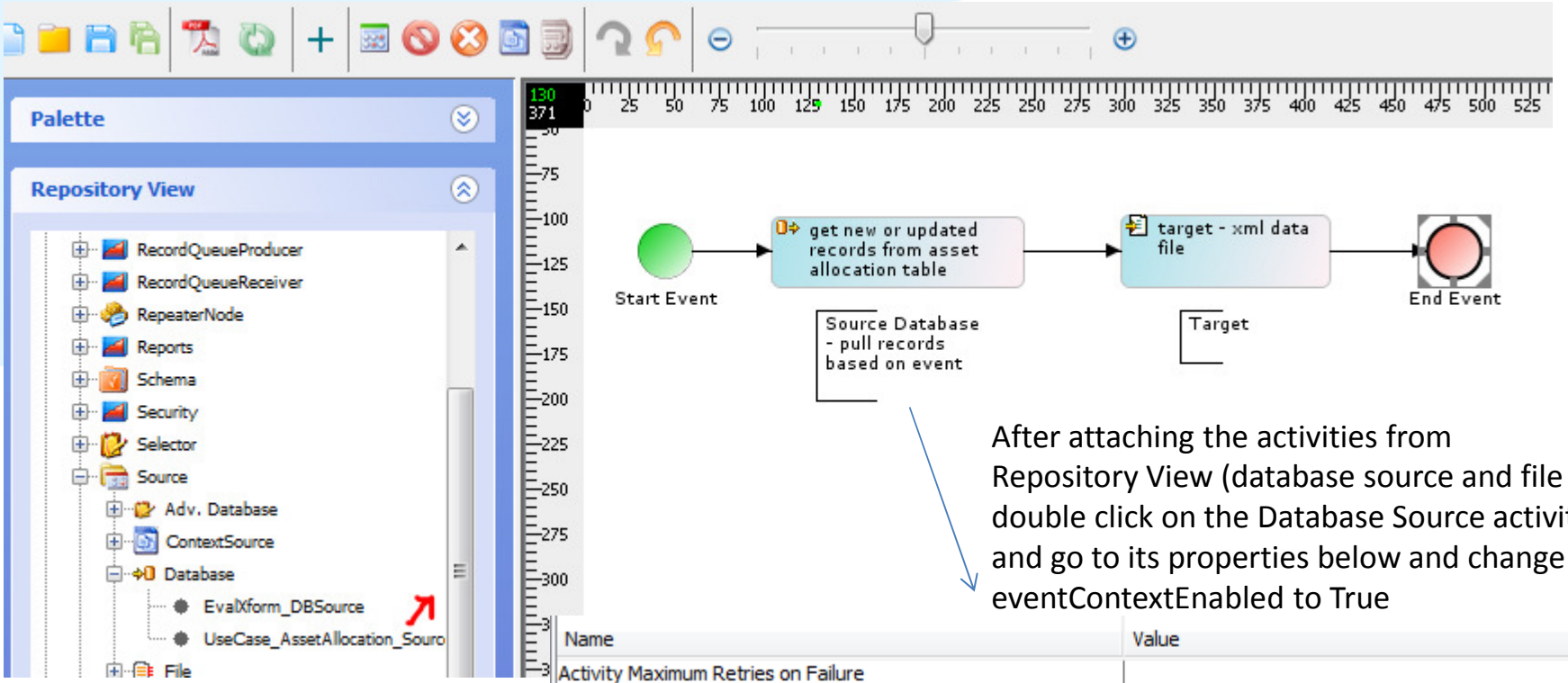
Database Source



File Target



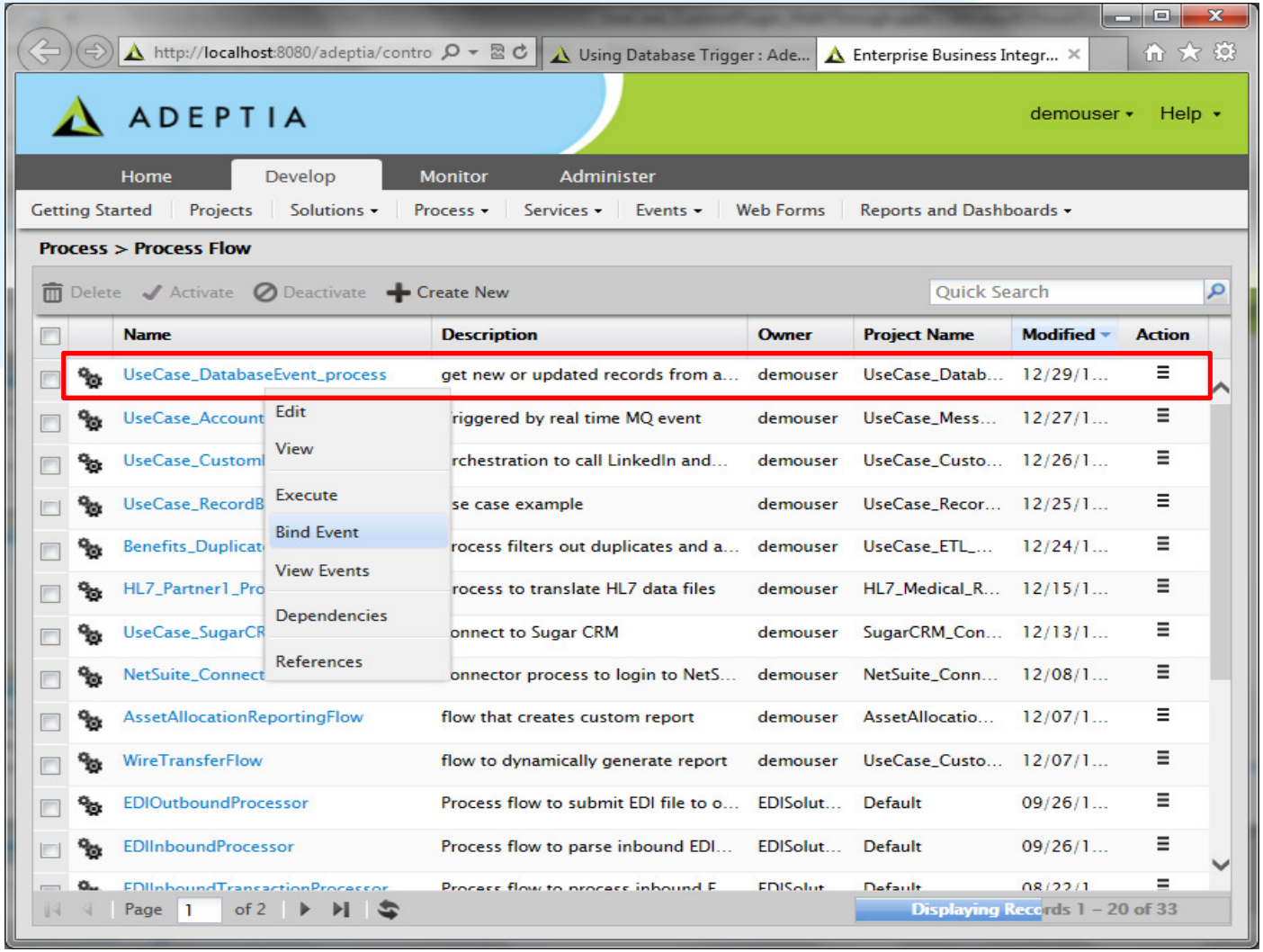
Configure: Process Flow



After attaching the activities from Repository View (database source and file target) double click on the Database Source activity and go to its properties below and change the eventContextEnabled to True

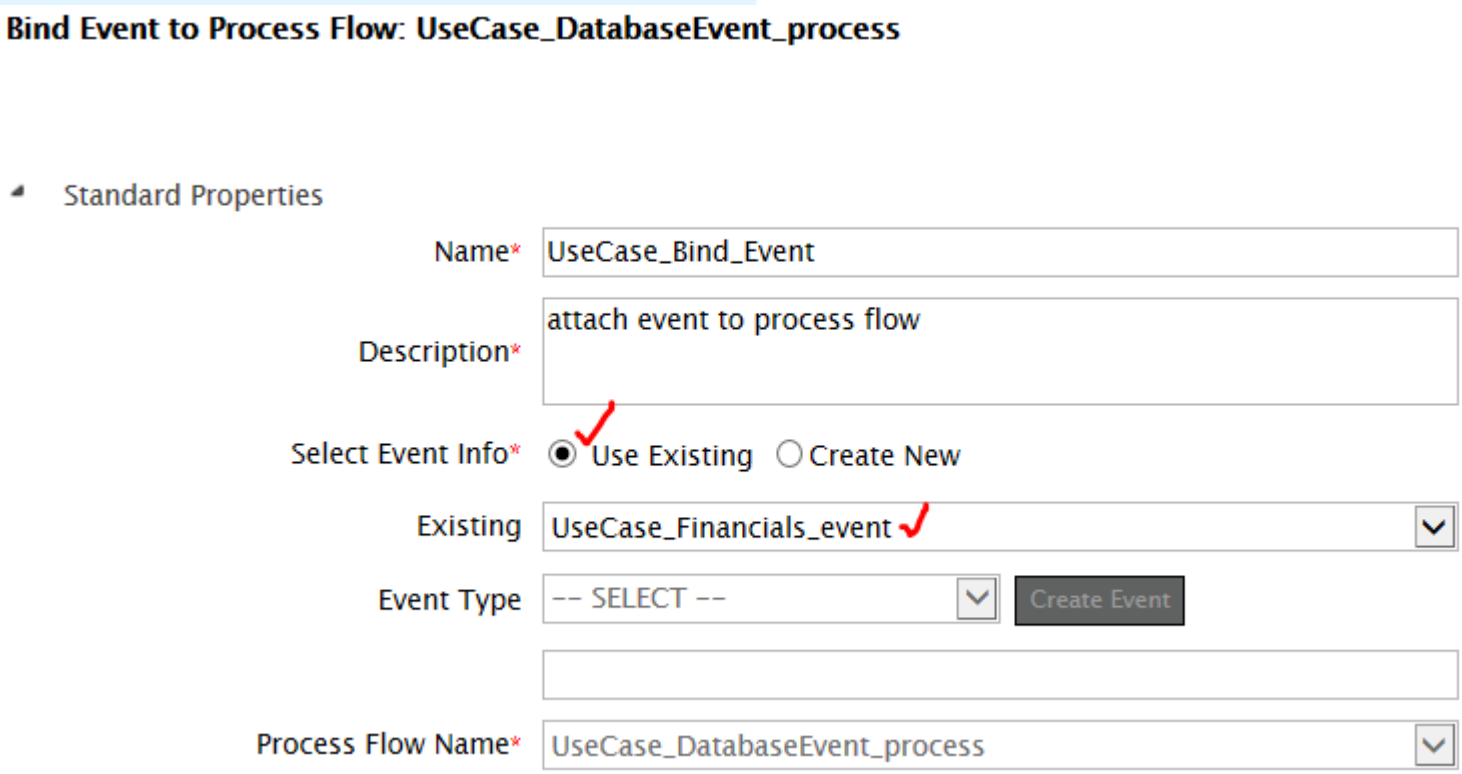
Name	Value
Activity Maximum Retries on Failure	
Activity Wait Time(in seconds) between Retries	
Character Set Encoding	None
dataAction	No Action
Error Records	File
eventContextEnabled	true
Format	XML
ID	192168001036138835402468000058
Label	get new or updated records from asset allocation table
Name	UseCase_AssetAllocation_Source
source	
streamNames	UseCase_AssetAllocation_Source

Deploy: Process Flow (bind to Database Event)



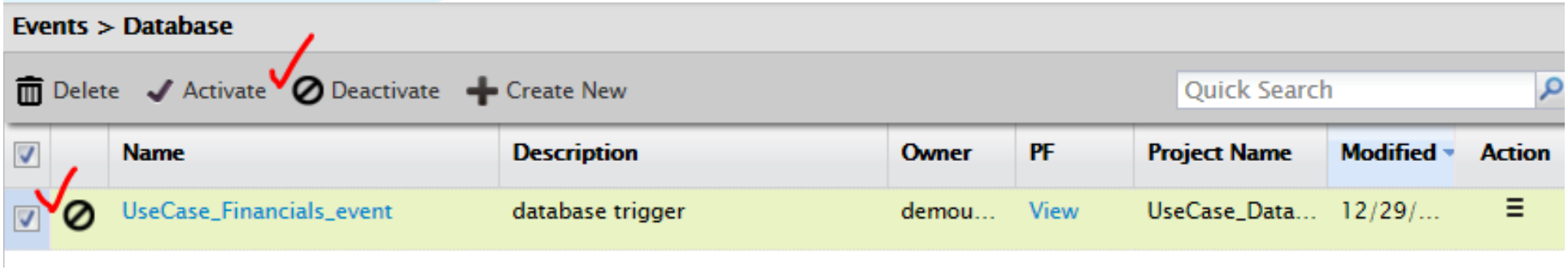
Right click on the Process Flow name and click on Bind Event.

Deploy: Process Flow (bind to Database Event)



Deploy: Process Flow (bind to Database Event)

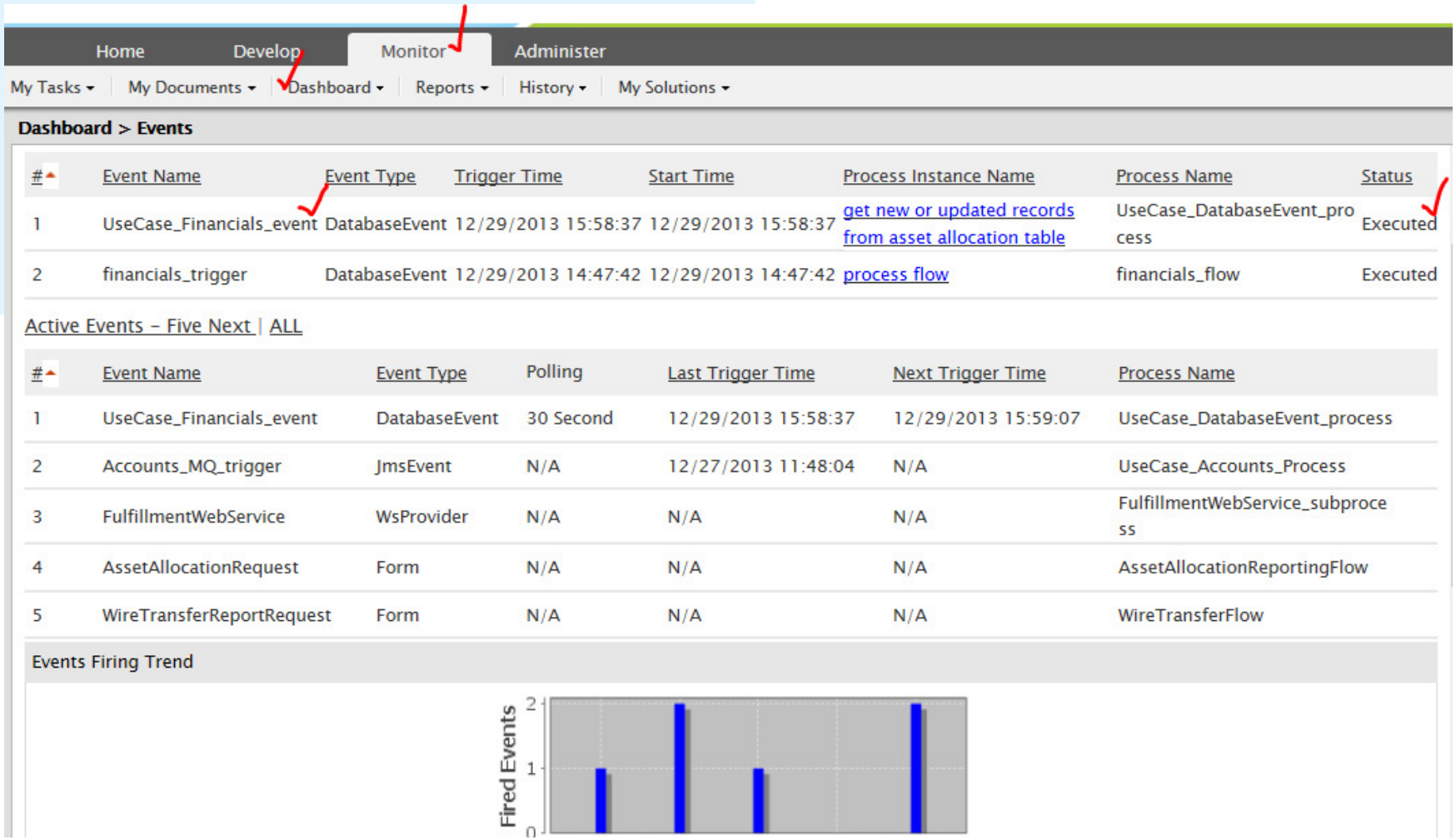
Activate Database Event by going to
Develop > Events > Database
Check the box next the event name and click on Activate



Once the event is activated you can insert a record in the table and see the Events or Process Flow logs to see the process flow getting executed automatically.

Run-time monitor

Monitor > Dashboard > Events



Project: View and manage activities for this use case

Projects

List of activities included in project "UseCase_DatabaseEvent"

Back Move

Name	Description	Owner	Modified
Database Event (1)			
UseCase_Financials_event	database trigger	demouser	12/29/13 15:49
Database Info (1)			
FinancialsDB_sqlserver	database connection	demouser	12/29/13 17:01
Database Schema (1)			
UseCase_AssetAllocation_schema	database schema	demouser	12/29/13 15:52
Database Source (1)			
UseCase_AssetAllocation_Source	database source	demouser	12/29/13 15:53
Event Registry (1)			
UseCase_DatabaseTrigger_event	attach trigger to the process flow	demouser	12/29/13 15:57
File Target (1)			
Process Flow (1)			
UseCase_DatabaseEvent_process	get new or updated records from asset...	demouser	12/29/13 16:57

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Thank You!

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