Wavelet To Wavelet data syncing process using Amazon AWS SQS QUEUE PROCESS

For Project Team

1. Amazon Queue Setup

1. approach our programmer for the queue setup in the back end Amazon service environment.

2. tell the programmer which server will sync with which server, which queue to be use for the particular sync process.

example: "Programmers, i need to setup a queue for project.wavelet.biz/emp and team.wavelet.biz/emp, please use the **testing queue** or **live production queue** for this process."

(programmer will set up the queue, something like a bridge between both server to send information over)
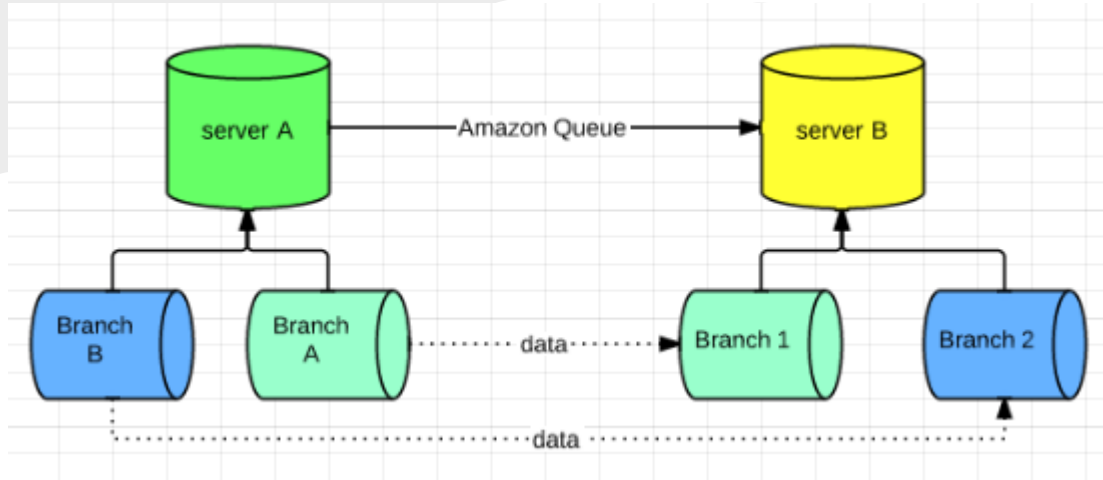
2. EMP Amazon AWS SQS

Please get helps from programmer to obtain the relevant information to be fill in into the AWS SQS setting, those information is pull out from the Amazon Portal.

AWS SQS Setting		EMP Configurations - Systems
AccessKey	AKIAI5LJ4FNYD5BV4A5C	both access key and secret key will be obtain from the programmer
SeccretKey	••••••••••••••••••••••••••	
Region	Asia Pacific(Singapore) ▼ Get SQS Queue List	this setup is a crucial part of the process, so please make sure the information is correct, verify it with the programmers.
Default Send Queue	Wavelet_Test_Queue ▼ **Tick Checkbox To Enter Manually** ☐ https://sqs.ap-southeast-1.amazonaws.com/450015348717/Wavele	
Default Receive Queue	▼ **Tick Checkbox To Enter Manually** ☐ null	
	Submit	

3. Setting up Remote Foreign (Branch level)

1. the picture below shows the mindmap of how the branch will map/sync to each other when data is transferred by the queue process.

4. Setting up Remote Foreign (Branch level)

1. please go to Branch listing of the SENDER side's EMP.

2. Locate the "Remote Foreign" Field.

3. select "Branch" from the drop down list.

4. click on the "Get Remote Data" link.

5. fill in URL and login information ------>

6. when you click on submit, and there is no error msg pop-up, you will be able to see and edit which branch you need to connect at the receiver side.

7. After successfully setup the branch foreign, please save changes.

Remote Foreign   Branch ▼   ▼   Get Remote Data

Get Remote Data   ✕

Web Service URL	http://samsung.wavelet.biz/ws
Username	developer
Password	●●●●●●●●

1. fill in the URL together with http:// and /ws.
2. username will be "developer" from the *Receiver* side.
3. password will be the developer role password from the *Receiver* side.

✓ Submit   ✗ Cancel

8. example:

Remote Foreign   Branch ▼   CE-WLCS-RL-Wah Lee Chain Store Sdn Bhd (Relau)   ▼

5. Event Trigger Maintenance (Receiver)

1. We will setup Event Trigger for Receiver side to Receive and process the data from the sender's queue.

2. Two trigger will be setup for Receiver :

    a. receive queue from sqs.

    b. process queue from received.

mindmap:

	Control Panel	Extended Mod
	System Admin	
Application Maintenance	Developer	
Organization Structure		
Accounting Config		
Branch Maintenance		
Location Maintenance		
Event Trigger Maintenance	otion	Status
Special Utilities		inactive
Plugins	s data in the queue	inactive

6. Event Trigger Maintenance (Receiver)

Create

Trigger Details

Trigger Key: ⚠️ (Note: trigger key cannot be edited after creation)

Event Type:

Function:

Function Type:

⊟ Function Parameters

trigger_key	
trigger_point	
supplier_id	
email	
sell_through	

Description:

Trigger Cron:
Every ▼ at ▼ minutes past the hour

Trigger Start: 2001-01-01 00:00

Trigger End: 9999-12-31 23:59

✓ Create   ✗ Cancel

Trigger Key : Title of the Trigger.

Event Type : 1. Receive From SQS .
2. Processing incoming Queue.

Function : Function will be vary from the Event Type you choose,please select the required function of the event.

Function Parameter :
1. **Supplier_id** = system will check for item code in the transaction with **supplier_id** tie to its **pseudo** code.
2. **sell_through** = system will check for **customer type** in the transaction and filter out **sell_through** transaction.