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IBM DataStage 8.5 **Beginner's Guide** Working With Sequential Job- Lab#07

Description:

BISP is committed to provide BEST learning material to the beginners and advance learners. In the same series, we have prepared a complete end-to end Hands-on Guide for building financial data model in DataStage. The document focuses on how the real world requirement should be interpreted. The mapping document template with very simplified steps and screen shots makes the complete learning so easy. This is one of our documents from DataStage learning series. This document shows how basic example of writing sequential job. Join our professional training program and learn from experts.

History:

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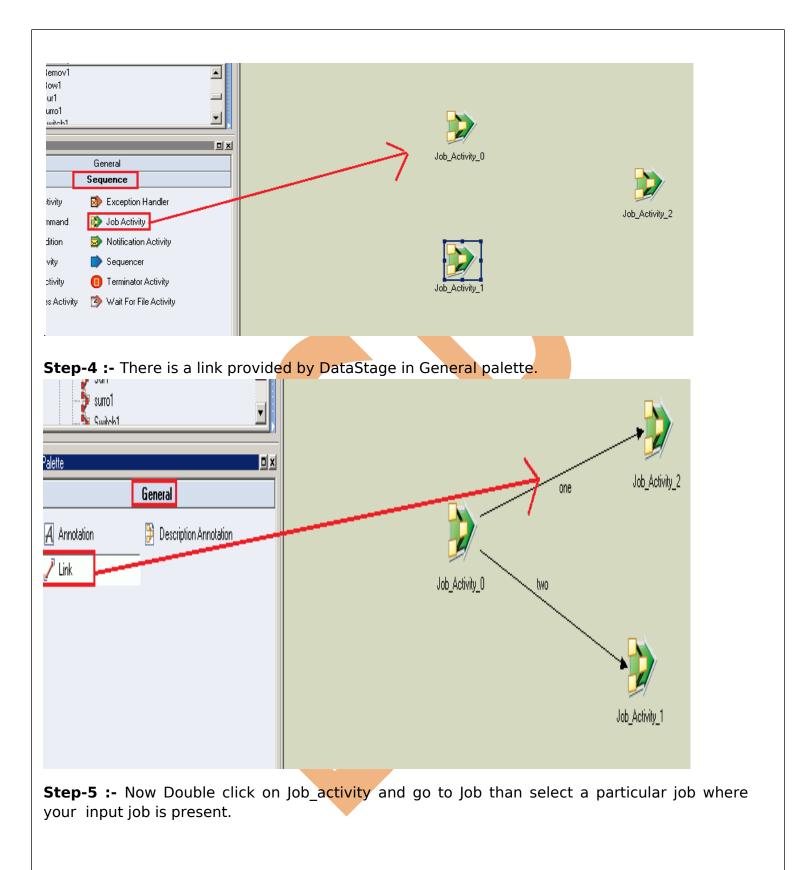
Page 1

Step-1 :	- In Windows Click Designe	er Client of DataStage	
My Computer	Mozilla Firefox		
TRECYCLE BIN	Security Configurati		
Internet Explorer	Web Console for IBM In		
Administrator Client	Firefox Setup 16.0.2.exe		
Console for IBM Info	SQL Developer		
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Director Client			

Step-2 :- New Window opens, click Jobs, click Sequential Job because we use want to work on Sequential Job.

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Remov1 Bow1 Sur1 Suriteb1 Palette General Annotation Container Description Annotation Ink	Most Recent Data Quality Jobs Routines Shared Containers Stage Types Other Assistants
Data Quality	
Database	
Development/Debug	Create a new Sequence Job
File	
Processing	OK Cancel Help
Real Time	

Step-3 :- First go on Sequence Palette than select Job activity. The sequence can also contain control information; for example, you can specify different courses of action to take depending on whether a job in the sequence succeeds or fails. Once you have defined a job sequence, it can be scheduled and run using the InfoSphere DataStage Director. It appears in the InfoSphere DataStage repository and in the InfoSphere DataStage Director client as a job



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Job_Activity_0	Execution action: Run Parameters Name Value Expression	Insert Parameter Diear Cjear All
		Set to Default All to Default Cancel Help

Step-6: Now See we connect this Job with two links so we have to give authorization means what you want to do specify here for ex. if you want my execution fail than goes to one link and successful than goes to another link these type of things is declare in this section.

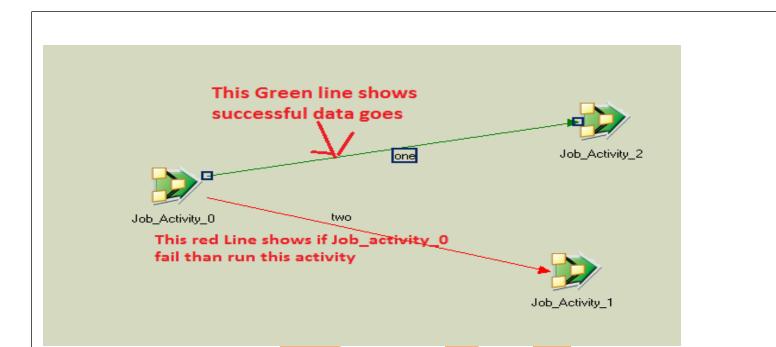
🗊 Job_Activity_0 - Job Activity	
General Job Triggers	
Name Expression Type Expression	
one Unconditional N/A two Unconditional N/A	
This is important part these are triggers here we specify i which link which type of data you want to go	
OK Cancel	

Step-7:- See these are the option available in Triggers as we select if our executions is successfully completed than work on first link and if it fail than work on second link. This is main thing in sequential job.

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ob_Activity_0 - :	lob Activity				
	ggers				
Name Expression		Expression	<u></u>		
one OK - (Cond		"Executed	10K''		
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OK - (Condi	tional)				
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Step-9 :- See here as we specify two for fail that's why is color is red and one link is used when successfully completed that's why color green and if you choose unconditional than color is blue.



Step-10:- Now work on second Job_activity and select job and select particular job.

Ď Job_	Activity_2 - Job Activity		_ 🗆 >	<u>د</u>
<u>G</u> ener	al <u>J</u> ob			
Job <u>n</u>	ame:			
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Na	I		<u> </u>	Job_Activity_2
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Step-11:- Now here we select multiple things if you simple wants run the job than select run and as we select reset if required than run so these type of things we select from here.

bb_Activity_2 - Job Activity		
bb <u>n</u> ame:		1
xecution action:		
Reset if required, then run		
lun leset if required, then run		
alidate only Reset only		Insert Parameter
		Clear
		Cjear All
		Set to <u>D</u> efault
		All to Default
	ок	Cancel <u>H</u> elp

Step-12:- See like this as we select funnel job and based on reset if required so we have select this things.

Dob_Activity_1 - Job Activity	
<u>G</u> eneral Job	
Job <u>n</u> ame:	
Funnel1	
Execution action: Reset if required, then run	
Parameters	
Name Value Expression	Insert Parameter
	Clear
	Cjear Ali
	Set to Default
	All to Default
	lob_Activity_1
OK .	Cancel <u>H</u> elp

Step-13 :- Here if we want to handle exception automatically than we will select this and there's also some options for performing runtime jobs. with the help of this we can manage error if you got warnings than with the help of this you can handle these warnings.

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Copen quick find V1 General Copen quick find Description Annotation	Image: A code of the co	
	Full job description:	▲ ▼ <u>H</u> elp
Seauence		

Step-14:- Now click to compile and see here if our job are successfully done than it shows no errors so we don't get any errors that's why shows no errors now go to director tab.

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🏹 Compile Job - Feception	×
Compilation Status	ompile
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Step-15 Now click on tools and save our job than select run director for checking our work done

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Step-17:- Now	Feception - Job Run Op imits Tracing General Rows No limit Stop stages after: Rows: See job is succe	tions	Varnings ○ No limit ④ Abort job a Warning <u>V</u> alidate	fter:	<u>1</u> elp
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Step-17:- Now	Feception - Job Run Op imits Tracing General Rows No limit Stop stages after: Rows: See job is succe	tions	Varnings ○ No limit ④ Abort job a Warning <u>V</u> alidate	fter: ps: 50	<u>1</u> elp
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Step-17:- Now	Feception - Job Run Op imits Tracing General Rows No limit Stop stages after: Rows: See job is succe vorking.	tions	Varnings ○ No limit ④ Abort job a Warning <u>V</u> alidate	fter: ps: 50	<u>1</u> elp

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VT >Job name	Status	Started	On date	Last ran	On date	Elapsed time	Description
Feception	Finished	12:31 PM	1/4/2013	12:32 PM	1/4/2013	00:00:05	
illob To see Log fi	les click						

Step-18:- See here all the working process done here process by process work done is looking like and this is called log files.

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8 12:32:00 PM	1/4/2013	Control	Finished Job Feception.
🚳 12:32:00 PM	1/4/2013	Info	FeceptionJobControl (@Coordinator): Summary of sequence run ()
🚳 12:32:00 PM	1/4/2013	Info	FeceptionJobControl (DSWaitForJob): Job AggJoin has finished, status = 2 (Finished with warnings)
🚳 12:31:56 PM	1/4/2013	Info	Feception.JobControl (DSWaitForJob): Waiting for job AggJoin to finish
🚳 12:31:55 PM -	1/4/2013	Info	FeceptionJobControl (DSRunJob): Waiting for job AggJoin to start
🚳 12:31:55 PM -	1/4/2013	RunJob	Feception -> (AggJoin): Job run requested ()
🚳 12:31:55 PM	1/4/2013	Info	Feception: Set NLS locale to US-ENGLISH, US-ENGLISH, US-ENGLISH, US-ENGLISH, US-ENGLISH
🚳 12:31:55 PM	1/4/2013	Info	Environment variable settings: ()
🐼 12:31:55 PM	1/4/2013	Control	Starting Job Feception.
🙀 11:42:40 AM	1/4/2013	Control	Finished Job Feception.
🌄 11:42:40 AM	1/4/2013	Info	Feception.JobControl (@Coordinator): Summary of sequence run ()
🌌 11:42:40 AM	1/4/2013	Info	Feception.JobControl (DSWaitForJob): Job AggJoin has finished, status = 2 (Finished with warnings)
🌉 11:42:32 AM	1/4/2013	Info	FeceptionJobControl (DSWaitForJob): Waiting for job AggJoin to finish
🏧 11:42:31 AM	1/4/2013	Info	FeceptionJobControl (DSRunJob): Waiting for job AggJoin to start
🏧 11:42:31 AM	1/4/2013	RunJob	Feception -> (AggJoin): Job run requested ()
🏧 11:42:30 AM	1/4/2013	Info	Feception: Set NLS locale to US-ENGLISH, US-ENGLISH, US-ENGLISH, US-ENGLISH, US-ENGLISH
🏧 11:42:30 AM	1/4/2013	Info	Environment variable settings: ()
🏧 11:42:30 AM	1/4/2013	Control	Starting Job Feception.
M 10:49:48 AM	1/4/2013	Control	Job Feception aborted.
🕛 10:49:48 AM	1/4/2013	Warning	Attempting to Cleanup after ABORT raised in job Feception. JobControl
🥸 10:49:48 AM	1/4/2013	Fatal	 Feception. JobControl (fatal error from @Coordinator): Sequence job will abort due to previous unrecoverable
M 10:49:48 AM	1/4/2013	Info	FeceptionJobControl (@Coordinator): Summary of sequence run ()
🕛 10:49:48 AM	1/4/2013	Warning	FeceptionJobControl (@Job_Activity_0): Controller problem: Error calling DSRunJob(ora1), code=-2 ()
🏧 10:49:48 AM	1/4/2013	Info	Fecention: Set NLS locale to US-ENGLISH US-ENGLISH US-ENGLISH US-ENGLISH US-ENGLISH

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