

## 17. Error Handling

Errors are maintained in different metadata tables of the WhereScape repository.

Example tables:

WS\_WRK\_ERROR\_LOG

WS\_WRK\_AUDIT\_LOG

There are a number of APIs available to retrieve data from these metadata tables.

Scripts can be executed based on success or failure of a job

**Job Definition**

Job Name: Job Failure Sample

Description: Job designed to demo failure and restart options

Frequency: Hold

Start Date: Monday, 10 January, 2022

Start Time: 16:38:00

Maximum Threads: 1

Scheduler: Windows Only

Dependent On: Parent job | Fail | Look back (minutes) | Maximum wait (minutes) | Add Parent Job | Remove Parent

Custom Settings

Interval Between Jobs: (minutes) 0

Start At or After HHMM (e.g. 0800): 0000

Do Not Start After HHMM (e.g. 1700): 0000

Active Days:  Mon  Tue  Wed  Thu  Fri  Sat  Sun

Logs Retained: 0 This field lets you set the number of logs that are retained for this job before an automatic delete and archive occurs. 0 = keep all logs (default action)

The following two fields are optional. They are executed after the job completes and therefore need to reflect the scheduler environment (i.e. Unix or Windows). The special variables \$JOB\_KEYS, \$JOB\_SEQ\$ and \$JOB\_NAMES\$ can be used to return the associated values.

The Success command will be executed if a successful completion, the failure command will be executed if a job fails to complete:

Success Command:

Failure Command: powershell -file c:\wherescape\scripts\statusemail.ps1 \$JOB\_KEYS\$ \$JOB\_SEQ\$ \$JOB\_NAMES\$

Execute Failure Command in event of dependency failure

OK Cancel Help

## Interactive error messages

Job	Status	Sequence	Start	Finish	Elapsed	OK	Info	Detail	Warn	Error	Who
Process_Data Vault_project	On Hold	15	2023-05-11 09:14:21								D
Initialize Date Dimension for Snowflake_1	On Hold	1	2020-08-21 16:21:00								D
Initialize Date Dimension for Snowflake	On Hold	2	2020-08-21 16:21:00								D
Process_Data Vault_project	Running	18	2023-05-11 09:14:21		00:00	1					D
Process_Data Vault_project	Completed	16	2023-05-08 15:01:18	2023-05-08 15:08:09	00:07	73	717	17435		6	D
Process_ds_load_wohntort_willibald_webshop 13	Completed	14	2023-05-08 14:49:46	2023-05-08 14:49:54	00:00	2	3	312			D
Process_ds_load_wohntort_willibald_webshop 8	Completed	9	2023-05-08 14:17:22	2023-05-08 14:17:30	00:00	2	3	312			D

Task	Status	Seq	Timestamp	Message	DB Message	Job
ds_load_produkkt_willibald_webshop	I	18	2023-05-11 09:15:14.567	No Indexes to PreDrop.		Process_Data Vault_project
ds_load_produkkt_willibald_webshop	I	18	2023-05-11 09:15:14.573	No Indexes to Rebuild.		Process_Data Vault_project
ds_load_produkkt_willibald_webshop	E	18	2023-05-11 09:15:18.187	Step 200: An error has occurred: [42P18] Duplicate row detecte...		Process_Data Vault_project
ds_load_produkkt_willibald_webshop	E	18	2023-05-11 09:15:40.083	0		Process_Data Vault_project