

Data Lake Factory

FAQs

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1 What Is DLF?

Data Lake Factory (DLF) is a HUAWEI CLOUD big data platform product. It provides a one-stop collaborative development environment with fully managed data scheduling capabilities. DLF supports batch processing, real-time pipeline orchestration, monitoring, O&M, and graphical programming (that reduces SQL statements by 80%), helping users quickly build big data processing centers.

2 What Is DLF Used For?

DLF can help you complete the following actions:

- Design and build data models using a broad range of data connections and data tables to meet your specific requirements.
- Integrate data sources into data connections that support relocating data from 20+ disparate data sources.
- Develop and debug scripts and jobs on the GUI-based drag-and-drop canvas.
- Manage and maintain jobs with ease through powerful job scheduling and flexible monitoring capabilities.

3 What Is a Job?

A job is composed of one or more nodes that are performed collaboratively to complete data operations.

4 How Many Jobs Can Be Created in DLF?

Each user can create a maximum of 1,000 jobs by default.

5 Can I Adjust the Job Quota in DLF?

Yes, you can. The system allows you to set a best suitable quota to fit your requirements.

If you have any quota requirement, submit a work order.

6 Does DLF Provide Job Templates?

Yes. Basic job templates help you understand how to use DLF to achieve your specific demands.

7 What Is a Node?

A node defines the operations performed on data.

For example, use a data migration node to import data from OBS to MRS Hive.

8 Is There a Limit on the Number of Nodes Contained in a DLF Job?

Yes. Each job contains a maximum of 100 nodes.

9

How Can I Quickly Rectify a Deleted CDM Cluster Associated with a Job?

Question

If a CDM cluster associated with a DLF job is deleted, how can I quickly rectify it to minimize the impact on the DLF job?

Answer

After the CDM cluster is deleted, the association information in the DLF job remains intact. You only need to create a cluster and job with the same names on CDM. The DLF job will remind you that the original CDM cluster and job will be replaced before using the newly created ones.

Constraints:

This function is supported in version 1.7.3 (which has been rolled out on 2018-10-24). If you want to use this function for a DLF job created before this point in time, save the job again.

10

What Causes a Large Difference Between the Plan Time and Start Time of a Job?

Question

When I check the running history of a job, I find there is a big difference between the plan time and start time of the job. What causes this problem?

Figure 10-1 Running History page

Maintenance & Scheduling > Monitor Job > Historical Scheduling > DDL Reports

Running History						
Status	Running Type	Job Execution Time	Start Time	End Time	Running Duration (...)	Operation
▼ Canceled	Task Retry	Oct 09,2018 23:59:00 GMT +08:...	Oct 12,2018 17:19:39 GMT +08:...	Oct 12,2018 17:19:58 GMT +08:...	0.3	Stop Rerun Continue Succeed

Answer

The plan time is the time when the job is expected to be executed, that is, the scheduling plan configured by the user for the job. The start time is the time when the job actually starts to be executed.

In DLF, a maximum of five instances can be concurrently executed in a job. If the start time of a job is later than the plan time, the job instances in the subsequent batch will be queued.

If you find that the difference between the plan time and start time becomes large, check whether the plan time is earlier than the start time and adjust the plan time based on the site requirements.

11

How Do I Change the Message Language?

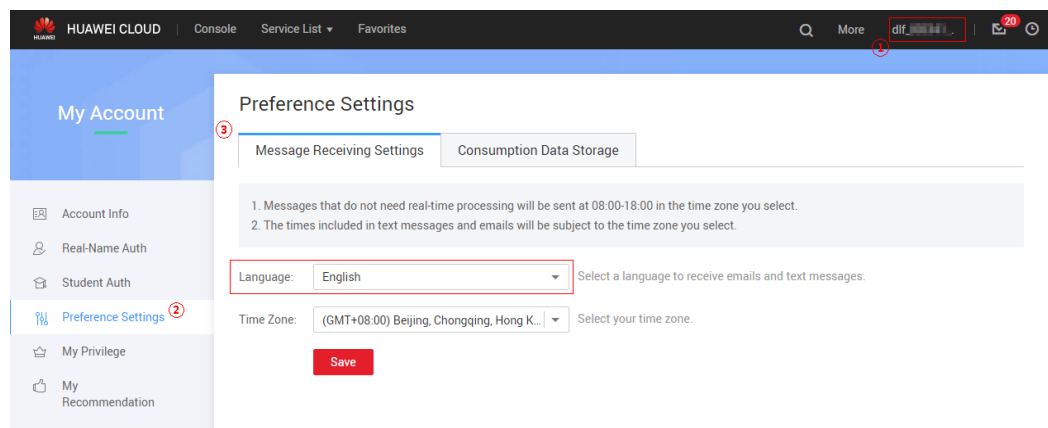
Question

If you have configured email or SMS notification in DLF, when a job runs abnormally, the system will send a message to your specified personnel. Currently, the message content is in Chinese, so how I can change the language to English?

Answer

Figure 11-1 shows how to change the message language.

Figure 11-1 Changing the message language



1. In the upper right corner of the HUAWEI CLOUD console, click the username. The **My Account** page is displayed.
2. Click **Settings**.
3. Click the **Message Receiving Settings** tab and set **Language** to **English**. You can change the time zone of the message when necessary.

12 What Can I Do When a Job Fails?

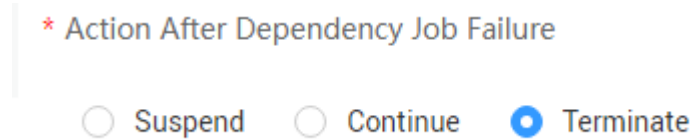
Question

If a job fails to be executed during job scheduling, will the related jobs be affected and how can I handle the failure?

Answer

The related jobs may be suspended, continued, or terminated.

Figure 12-1 Job dependencies



In this case, do not stop the job. You can rerun the failed job instance or stop the abnormal instance and then run it again. After the instance failure is removed, the subsequent operations will continue. If you manually process the failure not in DLF but in other ways, you can force the job instance to succeed after the failure is removed and then subsequent jobs will continue to run properly.