Alibaba Cloud
MaxCompute

Tools and Downloads

Issue: 20180925

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Generic conventions

Table -1: Style conventions

Style	Description	Example
	This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	**Danger:** Resetting will result in the loss of user configuration data.
	This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	**Warning:** Restarting will cause business interruption. About 10 minutes are required to restore business.
	This indicates warning information, supplementary instructions, and other content that the user must understand.	**Note:** Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	**Note:** You can use **Ctrl** + **A** to select all files.
>	Multi-level menu cascade.	**Settings** > **Network** > **Set network type**
Bold	It is used for buttons, menus, page names, and other UI elements.	Click **OK**.
`Courier font`	It is used for commands.	Run the `cd /d C:/windows` command to enter the Windows system folder.
Italics	It is used for parameters and variables.	`bae log list --instanceid` *Instance_ID*
[] or [a|b]	It indicates that it is a optional value, and only one item can be selected.	`ipconfig` *[-all|-t]*
{} or {a|b}	It indicates that it is a required value, and only one item can be selected.	`swich` *{stand	slave}*

Contents

1 Client

This article describes how to use the basic functions of the MaxCompute using client command line tool. Before using the MaxCompute client, you must *install and configure the client* .

> **Note:**
>
> • Do not perform the analysis operation based on the output format of the client. The output format of the client is not ensured for forward compatibility. Clients of different versions are different in their command formats and behaviors.
>
> • For more information about basic commands of the client, see *Basic commands*.
>
> • Download *MaxCompute console*

After the client is installed and configured, you can use a command line to perform the following operations.

Get Help

To view the help information of the console, the command format is as follows:

```
odps @>./bin/odpscmd-h;
```

You can also input `h;` or `help;`(case-insensitive) in an interactive mode.

The console also provides the `help [keyword];` command to get the command prompts related to the keyword. For example, input `help table;` to get command prompts related to the table operation as follows:

```
odps @ odps> help table;
Usage: alter table merge smallfiles
Usage: show tables [in]
       a list of tables | ls [-p,-project]
Usage: describe deserves mention | [.] [partition ()]
Usage: read [.]  [partition ()] [line_num]
```

Start parameters

When start the console, you can specify a series of parameters as follows:

```
Usage: odpscmd [option]...
where options include:
    --help (-h) for help
    --project= use project
    --endpoint= set endpoint
    -u-p user name and password
    -k will skip begining queries and start from specified position
```

```
    -r set retry times
    -f <"file_path;"> execute command in file
    -e <"command; [command;]..."> execute command, include sql command
    -C will display job counters
```

Take the -f parameter as an example, the operation is as follows:

1. Prepare the local script file script.txt. Suppose that the file is located in the disk D, and the

content is shown as follows:

```
DROP TABLE IF EXISTS test_table_mj;
CREATE TABLE test_table_mj (id string, name string);
DROP TABLE test_table_mj;
```

2. Run the following command:

```
odpscmd\bin>odpscmd -f ./script.sql;
```

Interactive mode

Run the console to directly enter the interactive mode:

```
[admin: ~]$odpscmd
Aliyun ODPS Command Line Tool
Version 1.0
@Copyright 2012 Alibaba Cloud Computing Co., Ltd. All rights reserved.
odps@ odps> INSERT OVERWRITE TABLE DUAL SELECT * FROM DUAL;
```

Enter the command at the cursor position (use a semicolon as a statement terminator), and press

Enter to run.

Continuous running

- When using -e or -f option to run a command, if there are multiple statements, and you want to

   start running from a middle statement, you can specify the parameter -k, indicating to ignore

   the previous statements and to start running from the specified position. When the parameter

   <= 0 is specified, the execution starts from the first statement.

- Each statement separated by a semicolon is considered as a valid statement. The statements

   which run successfully or fail to run are printed out at runtime.

For example,

suppose there are three SQL statements in the file /tmp/dual.sql:

```
drop table dual;
create table dual (dummy string);
```

```
insert overwrite table dual select count(*) from dual;
```

To ignore the first two statements, and start running from the third statement, the command format
 is as follows:

```
odpscmd-k 3 -f dual.sql
```

Get current logon user

To get current logon user, the command format is as follows:

```
whoami;
```

Use example:

```
odps@ hiveut>whoami;
Name: odpstest@aliyun.com
End_Point: http://service.odps.aliyun.com/api
Project: lijunsecuritytest
```

Use the preceding command to get the current logon user Alibaba Cloud account, endpoint

configuration, and project name.

Exit

To exit the console, the command format is as follows:

```
odps@ > quit;
```

You can also use the following command to exit the console:

```
odps@ > q;
```

2 Downloads

This document provides you with the download address of the relevant tools and plugins.

- SDK Downloads: Maven users can search odps-sdk from Maven library to get different versions of the Java SDK.
- *MaxCompute console*
- *Eclipse plugin*
- *Intelij plugin*, *Studio*