



Explanation of Qlik Cloud Analytics capacity specification

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Analysis Data Summary

Data for analysis

- Qlik Cloud Analytics is measured based on the volume of data used for analytics. Each month, the peak usage is measured against the capacity you've purchased.
- What counts toward the analytics data metric:
 - Data loaded into Qlik Cloud from external sources
 - When data is reloaded, any new incremental data increases the total data volume.
 - If the reload contains less data, the total volume decreases.
 - Data files uploaded to or created within Qlik Cloud
 - The file size is counted.
 - If a data file is copied within Qlik Cloud, the copied file also counts toward the total.
- How the data volume is calculated:
 - The amount of external data ingested into Qlik Cloud via Qlik Sense apps.
 - The size of QVD files generated from external data loaded through Qlik Data Gateway – Data Movement.
 - The file size of data files uploaded to Qlik Cloud.
 - The static byte size of Qlik Sense apps.

How to Count Analytical Capacity

Monthly peaks are measured against purchased capacity

<ul style="list-style-type: none"> End-user activity does not affect the monthly peak 			
<ul style="list-style-type: none"> # Number and size of end-user apps do not affect monthly peak 			
<ul style="list-style-type: none"> Files are counted by total file size 			
<ul style="list-style-type: none"> Each application is counted by the maximum number of bytes taken in from external sources for the day. If there is no reload, the previous last reload is carried over 			
<ul style="list-style-type: none"> The sum of the loaded and generated data is the daily peak. The maximum of the daily peaks is the monthly peak. 	3GB	6GB	5GB

Monthly Peak
6GB

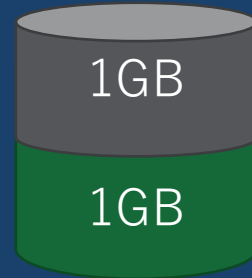
Loaded Data Capacity Example

Data Set

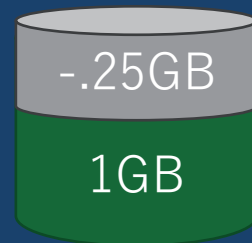
- Unchanged source data sets can be reloaded multiple times without changing the daily peaks
- Data set growth is reflected in daily peaks
- Decrease in dataset is reflected in daily peaks
- Changing a data set whose size does not change (e.g., data rolls off after X days) will not change the daily peak.



= 1GB



= 2 GB



= .75 GB



= 1GB

Loaded Data Capacity Example

Application

- Multiple queries on the same data set (multiple queries in a script) are counted multiple times in a day peak



Multiple Queries (x3)



= 3GB

- Deleting a table after loading an app does not decrease the daily peak (since the daily peak is based on the maximum reload size of the application)



Drop Table



1GB

- Deleting the app will decrease the daily peak for the next day (i.e., the first day the app is not present)



1GB
For the Day

- SQL pushdown does not affect daily peaks, but in-memory components do apply (e.g., direct queries/dynamic views)



Dynamic Views
Direct Query



Partial GB

If the next data load is not performed, the amount of analyzed data remains the same and does not change from one month to the next.

Consumption Report

Data for Analysis

Consumption Report Summary

- The data capacity reporting application (Consumption Report) allows you to monitor how you are using your license capacity at both a summary and detailed level
- Detailed reporting provides insight into usage and alignment with subscription entitlements.
- For example, you can see exactly which reloads, automations, and reports contributed to consumption
 - [Help](#)
 - [Slide of Webiner in Japan](#)
 - [Video of Webiner in Japan](#)

Consumption Report内ステータス

- The statuses used to measure the analyzed data in the Consumption Report are as follows
- Column name :DATA_ANALYZED_DETAILS.DATA_VOLUME_SOURCE_QDA
 - App Import Amount of data measured when importing apps into Qlik Cloud
 - App Reload Amount of data measured when reloading an app in Qlik Cloud
 - Datafile Size of data files uploaded to Qlik Cloud and generated by the app
- Columns name :DATA_ANALYZED_DETAILS.DATA_VOLUME_SOURCE_DETAIL_QDA
 - Max daily App Import Maximum daily import size for the app if imported on the same day
 - Previous App Import Last application import size recorded up to the previous day
(Used if not reloaded on the same day)
 - Max daily App Reload Maximum daily reload size for the app if reloaded on the same day
 - Previous App Reload Last app reload size recorded up to the previous day
(Used if not reloaded on the same day)

Point of attention

- In the application for QVD generation, even if the table is dropped after data loading, the amount of data analyzed is the amount of memory used for reloading, as described on page 7.
- If tasks are set up on a daily basis, the amount of data analyzed is measured on a daily basis, so there is no need to pay special attention to this.
- If QVD generation is performed on a weekly or monthly basis, etc., the amount of data analyzed will not change the next day even if the table is dropped and the app size is 0 bytes.
- This state is not reset when the month changes, but the same amount of data is analyzed.
- If QVD is stored in an external source and loaded back into the app, the amount of data is doubled.
- [Qlik Community Article](#)

Countermeasure

- 0 data load in the same app after weekly and monthly QVD generation app data load.
- Requires scripting of conditional branches on the data load editor.
- Zero data load handling can be performed manually, as a scheduled task, or automated.
- For more information on data load validation, see the "Analysis Data Volume Validation" page.

- There are two ways to update data
 - Load data twice a day by specifying the task execution time in the schedule.
 - Creating a Task Chain Automation with Qlik Automate.

スクリプト例

0件データロード

```
LET vToday = chr(39) & Date(Today()) & chr(39); //当日の日付を取得
LET vLastReload = chr(39) & date(ReloadTime()) & chr(39); //前回データロード日付を取得

if $(vLastReload) = $(vToday) then
Else

Table:
LOAD
    伝票番号,
    伝票日付,
    製品コード,
    顧客コード,
    販売価格,
    販売数量
FROM [lib://Office_365_Sharepoint - HKA@qlik.com/Documents/QData/販売伝票.csv]
(txt, utf8, embedded labels, delimiter is ',', msq);

store Table into 'lib://共有:DataFiles/TableNoExitDaily.qvd'(qvd);

Drop Table Table;

End If;
```

- Get the day's date with “vToday”
- Get last data load date with “vLastReload”
- if \$(vLastReload) = \$(vToday) then
 - Compare previous and current date, and if the dates are the same, do nothing
 - Compare previous and current date and load data if different

スクリプト例

Exit Scriptを使用した0件データロード

```
LET vToday = chr(39) & Date(Today()) & chr(39); //当日の日付を取得
LET vLastReload = chr(39) & date(ReloadTime()) & chr(39); //前回データロード日付を取得

if $(vLastReload) = $(vToday) then
    Exit Script;
End If;

for i = 0 to 9

Table:
LOAD
    伝票番号,
    伝票日付,
    製品コード,
    顧客コード,
    販売価格,
    販売数量
FROM [lib://Office_365_Sharepoint - HKA@qlik.com/Documents/QData/販売伝票.csv]
(txt, utf8, embedded labels, delimiter is ',', msq);

next i;

store Table into 'lib://共有:DataFiles/Table.qvd'(qvd);

Drop Table Table;
```

- Get the day's date with “vToday”
- Get last data load date with “vLastReload”
- if \$(vLastReload) = \$(vToday) then
 - Compares the previous date and the current date, and if the dates are the same, loads 0 data, and aborts the script with Exit Script.
 - Compare previous and current date, and if different, load data as is.

スケジュール例

1スケジュールで1日2回更新

タスク名
Load Exit Script Daily 2回ロード

説明
説明を追加

アクション
完全なりロード

基準
間隔 - 毎日

1日あたりの回数
2時間毎

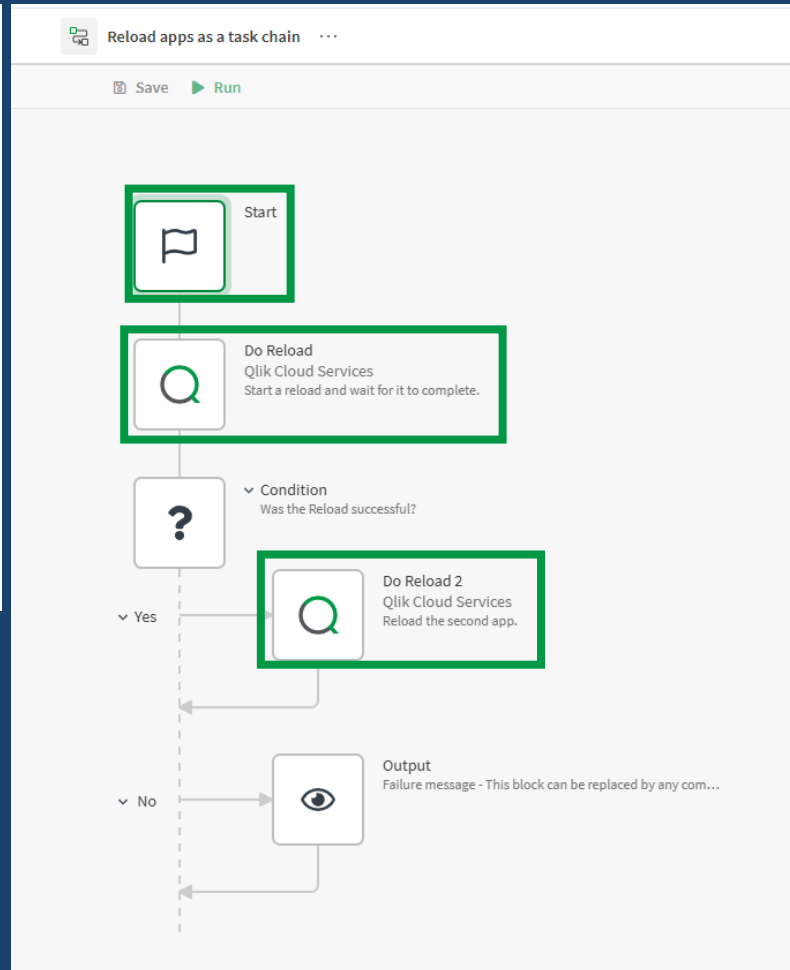
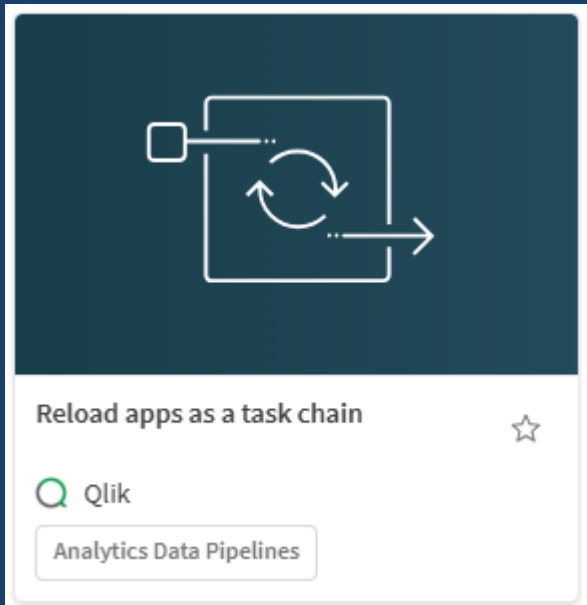
タイムゾーン
(GMT +09:00) アジア/東京

その日の最初の時間
05:00

これらの時間の間に実行
0:00 5:00 9:00 23:59

- Two data load settings in one schedule for weekly or monthly updates, etc.
- Number of times per day, every n hours
- Set start time
- Set the time between these times to include the first and second execution and not to execute the third and subsequent times.

自動化例(Qlik Automate)



- Use the template "Reload apps as a task chain"
- Set "Run Mode" of Start to "Scheduled" to schedule automation.
- Set up the same application for "Do Reload" and "Do Reload2".
- Save" and you're done.

Consumption Report注意事項

- Data updates at 7:00 a.m. Central European Time (4:00 p.m. Japan Standard Time)
- Consumption Report date and time default to European Central Time
- Time zone in personal profile, can be changed by setting regional settings
- Reload Analyzer, which may check the contents together, can be set by “vu_GMT_offset” in the script.

タイムゾーン

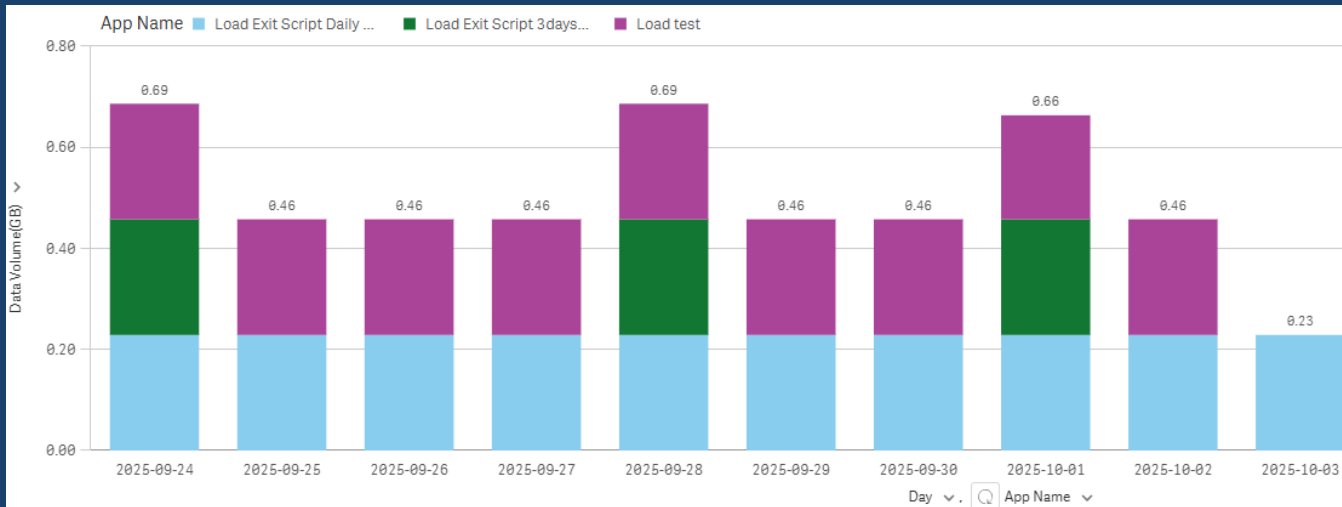
(GMT +09:00) アジア/東京 ▼

アプリと他のデータ準備を作成するための地域設定

Japanese (Japan) ▼

```
/*  
1. The timezone difference from GMT. Modifies the reload times to desired GMT offset  
   Example 1: -5  
   Example 2: 5  
*/  
SET vu_GMT_offset = 9;
```

Analytical data volume verification



Verification Results

- The amount of analyzed data is retained even if data is loaded once and dropped in the Drop Table, as in "Load Test".
- If 0 data load is performed for the second time as in "Load Exist Script 3Days No Data", the amount of analyzed data will not be measured on the next day.

- Verification method: Verification of the amount of analyzed data was conducted on three applications.
 - Load Test
 - Manually left for 8 days after normal data loading.
 - 0 data load performed manually on day 9.
 - Load Exist Script Daily no Data
 - The first load is normal data load, the second load is zero data load.
 - Data loading performed twice daily on schedule
 - Load Exist Script 3Days No Data
 - The first load is normal data load, the second load is zero data load.
 - 2 days per week on schedule, 2 data loads per week
- ※ Drop Table is executed with normal data load for all applications

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