Question

Mark Runyan · Apr 9, 2021

Measure all the row counts of every table in a Cache database

Hi, in the end I want a report like this:

Schema	TableName	RowCount
SYSTEM	RADplus_event_log	18,251,308
DocM	log_image_transfer	7,196,272
SYSTEM	RADplus_audit_database_tables	3,345,757
...		
SYSTEM	view_summary_mvmt	0

In my case I have about 1,230 tables/views in the database. The initial approached I've used is to use this SQL to generate SQL to make the actual measures:

```
SELECT
string('select ''', table_schema ,''' as "Schema", ''', table_name,''' as TableName, COUNT(*) as RowCount from ' ,
table_schema,'.',table_name , ' UNION ALL ') as TR FROM information_schema.tables
```

This generates SQL code like this:

```
select 'CPO' as "Schema", 'view_version' as TableName, COUNT(*) as RowCount from CPO.view_version UNION ALL
select 'CWSDocM' as "Schema", 'category_definition' as TableName, COUNT(*) as RowCount from CWSDocM.category_definition UNION ALL
select 'CWSDocM' as "Schema", 'document_archive_log' as TableName, COUNT(*) as RowCount from CWSDocM.document_archive_log UNION ALL
```

It works pretty good, but Cache appears to only support up to 128 commands strung together by UNION ALL. So I had to break up my SQL file into 10 separate files in which I executed and appended the results. Job done, but I'd like a more facile way to do this. My Cache Db is hosted by a third party, so I don't have many ways to interface with it other than an ODBC interface to WinSQL. Thanks for any ideas!

- Mark

#Databases #SQL #Caché
Product version: Caché 2017.1
$ZV: 2017.2.2

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