Hvrstatistics

Contents

Name

hvrstatistics - Extract statistics from HVR scheduler logfiles.

Since HVR 5.3.1/25, **hvrstatistics** is replaced with **Hvrstats**.

Synopsis

hvrstatistics [*-options*]... [*hubdb*]

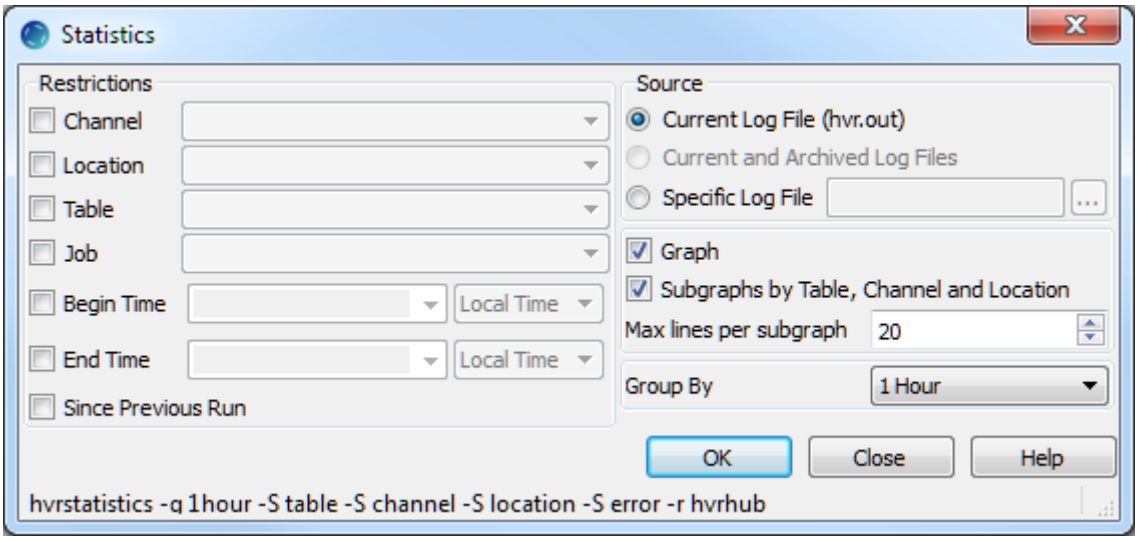
Description

hvrstatistics displays the statistics from HVR scheduler logfiles. The first argument *hubdb* specifies the connection to the hub database. For more information about supported hub databases, see Calling HVR on the Command Line.

hvrstatistics cannot process files containing more than 12 months of data.

Options

This section describes the options available for command **hvrstatistics**.



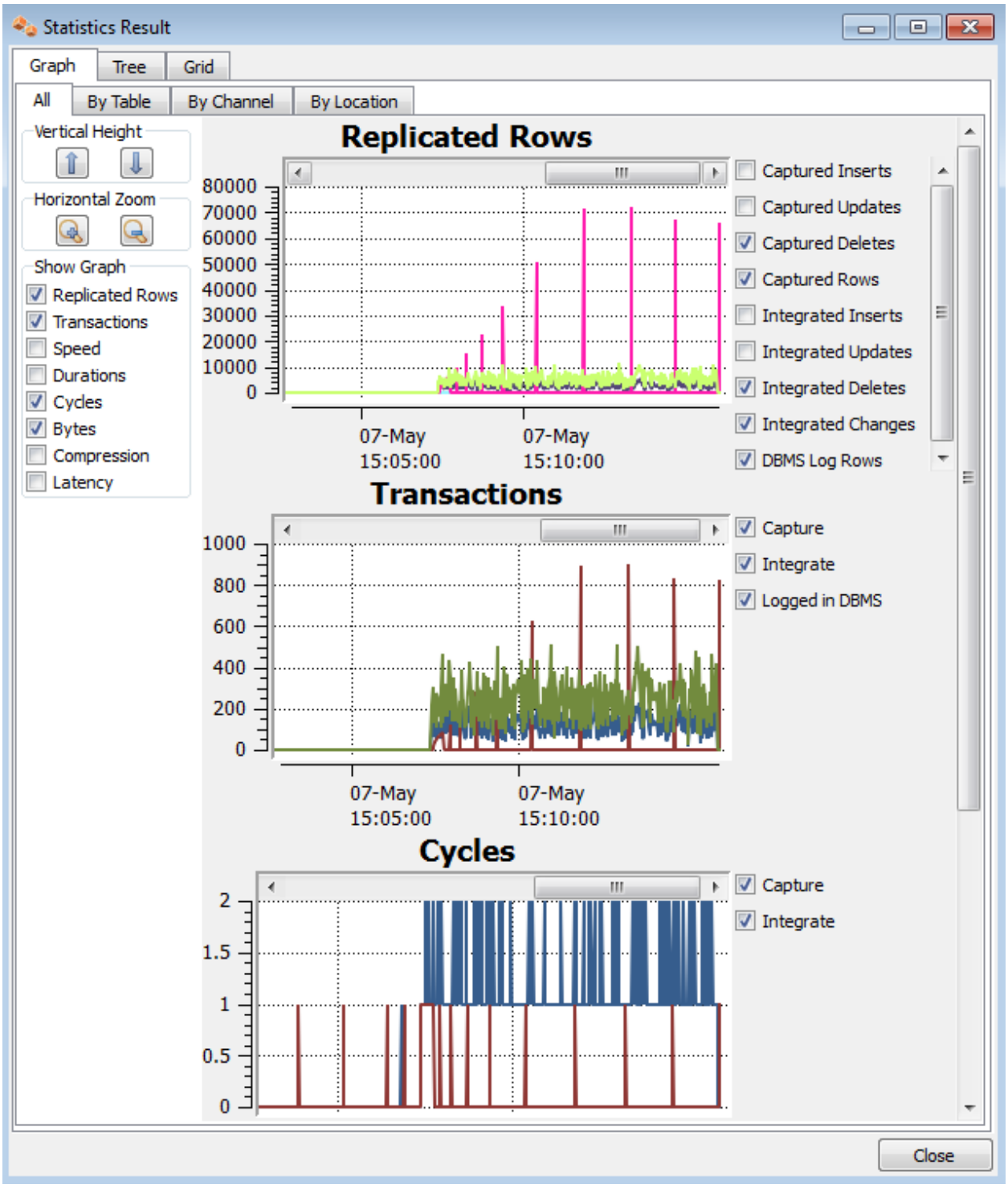
Parameter	Description
-b*time*	Only lines after (begin) *time*. Argument must have one of the following formats *YYYY-MM-DD HH:MI:SS* or *YYYY-MM-DDTHH:MM:SS+TZD* or *YYYY-MM-DDTHH:MM:SSZ*.

-c*chn*	Only parse output for specific channel *chn*. Alternatively, a specific channel can be omitted using form **-c!***chn*. This option can be specified multiple times.
-e*time*	Only lines until (end) *time*. Argument must have one of the following formats *YYYY-MM-DD HH:MI:SS* or *YYYY-MM-DDTHH:MM:SS+TZD* or *YYYY-MM-DDTHH:MM:SSZ*.
-f*file*	Parse scheduler log file *file*, instead of default **$HVR_CONFIG/log/***hubdb***/hvr.out**.
-g*col*	Summarize totals grouped by *col* which can be either **channel**, **location**, **job**, **table**, **year**, **month**, **day**, **hour**, **minute** or **second**. This option can be specified multiple times, which will subdivide the results by each column. Additionally, a reasonable subdivision of time-based columns can be specified, e.g.: **-s "10 minutes"** or **-s "6 hours"**
-i	Incremental. Only lines added since previous run of **hvrstatistics**. The position of the last run is stored in file **$HVR_CONFIG/files/hvrstatistics.offset**.
-l*name*	Incremental with variable status file. Only lines added since previous run of **hvrstatistics**. The position of the last run is stored in file **$HVR_CONFIG/files/hvrstatistics_***name***.offset**.
-l*/oc*	Only parse output for specific location */oc*. Alternatively, a specific location can be omitted using form **-l!***/oc*. This option can be specified multiple times.
-r	Resilient. Do not show log file output lines which cannot be matched.
-s*sep*	Print parsed output in CSV-matrix with field separator *sep*. This allows the input to be imported into a spreadsheet.
-S*col*	Summarize totals grouped by *col* which can be either **channel**, **location**, **job**, **table**, **year**, **month**, **day**, **hour**, **minute** or **second**. This option can be specified multiple times, which will cause the same data to be repeated in multiple blocks, but with each block divided by a different column.
-v	Verbose trace messages.

For list of all statistics metrics, see Metrics for Statistics.

Examples

HVR Statistics can be run from inside the HVR GUI, or it can be run on the command line. The following screenshot shows an example of the HVR Statistics inside the GUI.



On the command line, to count total rows replicated for each location and table, use the following:

```
hvrstatistics -g location -g table myhub
```

Sample output:

```
Location cen
  Table order
     Captured rows           :     25
  Table product
     Captured rows           :    100
  Capture cycles             :      6
  Routed bytes               :  12053
Location dec01
  Table order
     Integrated updates      :     25
     Integrated changes      :     25
  Table product
     Integrated updates      :    100
     Integrated changes      :    100
  Integrate cycles           :      7
  Integrate transactions     :      4
```

To create a CSV file with the same data use option **-s** as follows:

```
hvrstatistics -g location -g table -s"," myhub > stats.csv
```

If this CSV file was imported into a spreadsheet (e.g. Excel) it would look this:

Location	Table	Capture cycles	Captured rows	Routed bytes	Integrate cycles	Integrate transactions	Integ upda
cen	order		25				
cen	product		100				
cen		6		12053			
decen	order						2
decen	product						1
decen					7	4	

Files

HVR_CONFIG
files
hvrstatistics.offset State file for incremental statistics (option **-i**).