

This Historical Server Quick Reference Guide was written by Raymond Mardle (Raymond.Mardle@sybase.com); please contact the author for any comments or suggestions. This document can be downloaded from www.sypron.nl/hs_qref.html.
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Historical Server 12 Commands

Comments cannot be used in Historical Server.
 All Historical Server commands start `hs_` and can be thought of as the equivalent of stored procedure executions in ASE, except all parameters are passed by position.

`hs_create_alarm`
`view_name,`
`data_item_name,`
`data_item_stat,`
`alarm_action,`
`alarm_action_data,`
`alarm_value`

Creates an alarm. An alarm is triggered when a data item value reaches a specified threshold value. Alarms are optional.

`hs_create_filter`
`view_name,`
`data_item_name,`
`data_item_stat,`
`filter_type,`
`value_spec`

Specifies filtering criteria on a data item. A filter limits the scope of collected data for a single data item in a view. Filters are optional.

`hs_create_playback_session`
`start_time,`
`end_time,`
`summarization_interval,`
`allow_estimation,`
`missing_data_option,`
`target,`
`directory_name,`
`protection_level,`
`script_type,`
`delete_option,`
`session_id [, session_id...]`

Defines the characteristics of a playback session. This command is the first step in creating a playback session.

`hs_create_playback_view`
`view_name,`
`[data_item_name_1, data_item_stat_1`
`[,data_item_name_2, data_item_stat_2]...]`

Specifies a view from the input recording sessions that you want to include in the playback session. Also specifies the data items in each view that you want to play back.

`hs_create_recording_session`
`monServerName,`
`sample_interval`
`[, dir_name]`
`[, start_time]`
`[, end_time]`

`[, protection_level]`
`[, error_option]`
`[, script_type]`

Defines the characteristics of a recording session. This command is the first step in creating a recording session.

`hs_create_view`
`view_name,`
`data_item_name_1,`
`data_item_stat_1`
`[, data_item_name_2, data_item_stat_2]..`

Defines a collection of data items to be recorded during a session.

`hs_delete_data`
`low_session_id`
`[, high_session_id]`

Deletes the historical monitoring files associated with one or more inactive recording sessions.

`hs_initiate_playback`

Specifies that you are finished defining a playback session and ready to perform the playback. If the playback target is to a file, this command starts the playback. If the playback target is to a client, this command initialises playback so that the `hs_playback_sample` command with a default step returns the first sample in the playback session.

`hs_initiate_recording`

Specifies that the definition of a recording session is complete and requests that recording be started or scheduled to start at the recording session's `start_time`.

`hs_list level`
`[, restriction]`

Lists information about past and present recording sessions.

`hs_playback_sample`
`[step`
`[, retry_count]]`

Plays back a sample when the playback target is client. The target is defined in the `hs_create_playback_session` command.

`hs_shutdown`
`[wait_option]`

Shuts down the Historical Server. Can only be performed by a super user.

`hs_status`
`option`

Obtains status information.

`hs_terminate_playback`

Terminates the definition of a playback session and the actual playback.

`hs_terminate_recording`
`session_id`
`[, delete_option]`

Terminates the definition of a recording session, cancels the scheduled start of a recording session, or terminates a recording session in progress.

Time Zone Options

Parameter Value	Explanation
EST	US Eastern time zone, standard time.
EDT	US Eastern time zone, daylight saving time.
CST	US Central time zone, standard time.
CDT	US Central time zone, daylight saving time.
MST	US Mountain time zone, standard time.
MDT	US Mountain time zone, daylight saving time.
PST	US Pacific time zone, standard time
PDT	US Pacific time zone, daylight saving time
MET	Middle European time zone, standard time
MET DST	Middle European time zone, daylight saving time
WET DST	Western European (Greenwich) time zone, daylight saving time
GMT	Greenwich Mean Time. This is equivalent to Western European (Greenwich) time zone without regard to daylight saving time. All of the preceding time zone specifications, such as EST or EDT, can be supplied only in combination with dates and times when Standard Time or Daylight Savings Time is in effect. GMT can be paired with any date and time specification.
GMT{+ -}hours_offset	To specify any other time zone, where hours_offset is the number of hours that must be added to Greenwich Mean Time to derive the local time. The acceptable range of offset values is between +24 and -24 hours, inclusive. Fractional offsets such as +5.5 are valid.

Historical Server 12 Data Items

Application Execution Class	First Release : 11.5	Type : Result
Application Name	First Release : 11.0	Type : Key
Blocking Process ID	First Release : 11.0	Type : Result
Cache Efficiency	First Release : 11.0	Type : Result
Cache Hit Pct	First Release : 11.0	Type : Result
Cache Hits	First Release : 11.0	Type : Result
Cache ID	First Release : 11.0	Type : Key
Cache Misses	First Release : 11.0	Type : Result
Cache Name	First Release : 11.0	Type : Key
Cache Prefetch Efficiency	First Release : 11.0	Type : Result
Cache Refer and Reuse	First Release : 11.0	Type : Result
Cache Reuse	First Release : 11.0	Type : Result
Cache Reuse Dirty	First Release : 11.0	Type : Result
Cache Size	First Release : 11.0	Type : Result
Cache Spinlock Contention	First Release : 11.0	Type : Result
Code Memory Size	First Release : 11.0	Type : Result
Connect Time	First Release : 11.0	Type : Result
CPU Busy Percent	First Release : 11.0	Type : Result
CPU Percent	First Release : 11.0	Type : Result

CPU Time	First Release : 11.0	Type : Result
CPU Yields	First Release : 11.0	Type : Result
Current Application Name	First Release : 11.0	Type : Result
Current Engine	First Release : 11.0	Type : Result
Current Execution Class	First Release : 11.5	Type : Result
Current Process State	First Release : 11.0	Type : Result
Current Stmt Batch ID	First Release : 11.5	Type : Result
Current Stmt Batch Text	First Release : 11.5	Type : Result
Current Stmt Batch Text Byte Offset	First Release : 11.5	Type : Result
Current Stmt Batch Text Enabled	First Release : 11.5	Type : Result
Current Stmt Context ID	First Release : 11.5	Type : Result
Current Stmt CPU Time	First Release : 11.5	Type : Result
Current Stmt Elapsed Time	First Release : 11.5	Type : Result
Current Stmt Line Number	First Release : 11.5	Type : Result
Current Stmt Locks Granted After Wait	First Release : 11.5	Type : Result
Current Stmt Locks Granted Immediately	First Release : 11.5	Type : Result
Current Stmt Locks Not Granted	First Release : 11.5	Type : Result
Current Stmt Logical Reads	First Release : 11.5	Type : Result
Current Stmt Number	First Release : 11.5	Type : Result
Current Stmt Page I/O	First Release : 11.5	Type : Result
Current Stmt Page Writes	First Release : ?	Type : Result
Current Stmt Physical Reads	First Release : 11.5	Type : Result
Current Stmt Procedure Database ID	First Release : 11.5	Type : Result
Current Stmt Procedure Database Name	First Release : 11.5	Type : Result
Current Stmt Procedure ID	First Release : 11.5	Type : Result
Current Stmt Procedure Name	First Release : 11.5	Type : Result
Current Stmt Procedure Owner Name	First Release : 11.5	Type : Result
Current Stmt Procedure Text	First Release : 11.5	Type : Result
Current Stmt Query Plan Text	First Release : 11.5	Type : Result
Current Stmt Start Time	First Release : 11.5	Type : Result
Database ID	First Release : 11.0	Type : Key
Database Name	First Release : 11.0	Type : Result
Deadlock Count	First Release : 11.0	Type : Result
Demand Lock	First Release : 11.0	Type : Result
Device Hit Percent	First Release : 11.0	Type : Result

Device Hits	First Release : 11.0	Type : Result
Device I/O	First Release : 11.0	Type : Result
Device Misses	First Release : 11.0	Type : Result
Device Name	First Release : 11.0	Type : Key
Device Reads	First Release : 11.0	Type : Result
Device Writes	First Release : 11.0	Type : Result
Elapsed Time	First Release : 11.0	Type : Result
Engine Number	First Release : 11.0	Type : Key
Host Name	First Release : 11.0	Type : Result
Index Logical Reads	First Release : 11.0	Type : Result
Index Physical Reads	First Release : 11.0	Type : Result
Kernel Process ID	First Release : 11.0	Type : Key
Kernel Structures Memory Size	First Release : 11.0	Type : Result
Large I/O Denied	First Release : 11.0	Type : Result
Large I/O Performed	First Release : 11.0	Type : Result
Large I/O Requested	First Release : 11.0	Type : Result
Lock Contention Percent	First Release : ?	Type : Result
Lock Count	First Release : 11.0	Type : Result
Lock Hit Percent	First Release : 11.0	Type : Result
Lock Result	First Release : 11.0	Type : Key
Lock Results Summarized	First Release : 11.0	Type : Key
Lock Status	First Release : 11.0	Type : Key
Lock Status Count	First Release : 11.0	Type : Result
Lock Type	First Release : 11.0	Type : Key
Lock Wait Time	First Release : ?	Type : Key
Locks Being Blocked Count	First Release : 11.0	Type : Result
Locks Granted After Wait	First Release : 11.5	Type : Result
Locks Granted Immediately	First Release : 11.5	Type : Result
Locks Not Granted	First Release : 11.5	Type : Result
Log Contention Percent	First Release : 11.0	Type : Result
Logical Page Reads	First Release : 11.0	Type : Result
Login Name	First Release : 11.0	Type : Result
Most Active Device I/O	First Release : 11.0	Type : Result
Most Active Device Name	First Release : 11.0	Type : Result
Net Bytes Received	First Release : 11.0	Type : Result

Net Bytes Sent	First Release : 11.0	Type : Result
Net Default Packet Size	First Release : 11.0	Type : Result
Net I/O Bytes	First Release : 11.0	Type : Result
Net Max Packet Size	First Release : 11.0	Type : Result
Net Packet Size Received	First Release : 11.0	Type : Result
Net Packet Size Sent	First Release : 11.0	Type : Result
Net Packets Received	First Release : 11.0	Type : Result
Net Packets Sent	First Release : 11.0	Type : Result
Number of Engines	First Release : 11.0	Type : Result
Number of Processes	First Release : 11.0	Type : Result
Object ID	First Release : 11.0	Type : Key
Object Name	First Release : 11.0	Type : Result
Object Type	First Release : 11.0	Type : Result
Owner Name	First Release : 11.0	Type : Result
Page Cache Size	First Release : 11.0	Type : Result
Page Hit Percent	First Release : 11.0	Type : Result
Page I/O	First Release : 11.0	Type : Result
Page Number	First Release : 11.0	Type : Key
Page Writes	First Release : 11.0	Type : Result
Physical Page Reads	First Release : 11.0	Type : Result
Procedure Buffer Size	First Release : 11.0	Type : Result
Procedure CPU Time	First Release : 11.0	Type : Result
Procedure Database ID	First Release : 11.0	Type : Key
Procedure Database Name	First Release : 11.0	Type : Key
Procedure Elapsed Time	First Release : 11.0	Type : Result
Procedure Execution Class	First Release : 11.5	Type : Result
Procedure Execution Count	First Release : 11.0	Type : Result
Procedure Header Size	First Release : 11.0	Type : Result
Procedure Hit Percent	First Release : 11.0	Type : Result
Procedure ID	First Release : 11.0	Type : Key
Procedure Line Number	First Release : 11.0	Type : Key
Procedure Line Text	First Release : 11.0	Type : Result
Procedure Logical Reads	First Release : 11.0	Type : Result
Procedure Name	First Release : 11.0	Type : Result
Procedure Owner Name	First Release : 11.0	Type : Result

Procedure Physical Reads	First Release : 11.0	Type : Result
Procedure Statement Number	First Release : 11.0	Type : Key
Process ID	First Release : 11.0	Type : Key
Process State	First Release : 11.0	Type : Key
Process State Count	First Release : 11.0	Type : Result
Rows Deleted	First Release : 11.0	Type : Result
Rows Deleted Deferred	First Release : 11.0	Type : Result
Rows Deleted Direct	First Release : 11.0	Type : Result
Rows Inserted	First Release : 11.0	Type : Result
Rows Inserted Clustered	First Release : 11.0	Type : Result
Rows Inserted Heap	First Release : 11.0	Type : Result
Rows Updated	First Release : 11.0	Type : Result
Rows Updated Deferred	First Release : 11.0	Type : Result
Rows Updated Directly	First Release : 11.0	Type : Result
Rows Updated Expensive	First Release : 11.0	Type : Result
Rows Updated In Place	First Release : 11.0	Type : Result
Rows Updated Not In Place	First Release : 11.0	Type : Result
Select Statements	First Release : 11.0	Type : Result
Server Structures Size	First Release : 11.0	Type : Result
SQL Server Name	First Release : 11.0	Type : Result
SQL Server Version	First Release : 11.0	Type : Result
Thread Exceeded Max	First Release : 11.5	Type : Result
Thread Exceeded Max Percent	First Release : 11.5	Type : Result
Thread Max Used	First Release : 11.5	Type : Result
Time Waited on Lock	First Release : 11.0	Type : Result
Timestamp	First Release : 11.0	Type : Result
Timestamp Datim	First Release : 11.0	Type : Result
Transactions	First Release : 11.0	Type : Result

Historical Server 12 Key Data Items

- Application Name
- Cache ID
- Database ID
- Engine Number
- Lock Result
- Lock Results Summarized
- Lock Status
- Lock Type
- Object ID
- Page Number
- Procedure Database ID
- Procedure ID
- Procedure Line Number
- Procedure Statement Number
- Process ID
- Process State

Disclaimer

The information contained in this quick reference guide has been copied verbatim from the ASE 12.0 Technical Library. The only changes made were for formatting and correcting mistakes. (After finding an obvious mistake it was then a painful task to track down as many as possible. Of the ones found, two data items are omitted from the Tech Lib, several were included in the Tech Lib but do not exist and one does not appear in the data item descriptions section. The information about which data items are keys is too optimistic.) The information above could still contain errors, so please do not hold the information as gospel.

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Source

The template for this quick reference guide was the Replication Server quick reference guide created by Rob Verschoor (see <http://www.sypron.nl/>).

The information came from the Sybase ASE 12.0 Technical Library

How to assemble the pages into a booklet:

1. Print the file (paper size should be A4). You may need to adjust the page margins or the space between the columns if it doesn't print correctly; there should be about 7 millimeters (~ 5/12 inch) free space at the left and right margins (if you can't get it printed correctly, you can always change the layout to 1 column/page, and so some manual cut-and-pasting).
2. Cut off the blank bottom part of the pages
3. Fold the printed pages, so that there is one column on each folded side.
4. Stack the folded pages
5. Staple the folded pages together at the left-hand margin
6. If you don't like the sight of those staples, cover them with a bit of sticky tape.

