

HTML Monitor Client

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Introduction

The HTML Monitor Client is a monitor interface that supports any web browser as a user interface for monitoring the various types of servers that are provided in a mainframe Natural environment. Each of these servers has its own set of monitor details which are described in the corresponding server documentation. The HTML Monitor Client enables you to list all existing servers and to select a server for monitoring.

Prerequisites for HTML Monitor Client

To run the HTML Monitor Client, any server must host an HTTP Monitor Server. The HTTP Monitor Server is a subtask that can run in any Natural SQL Gateway server address space and is configured with the configuration parameter `HTPMON_PORT` and `HTPMON_ADMIN_PSW`. An HTTP Monitor Server is accessible through a TCP/IP port number and can monitor all servers running on the current node (for SMARTS: running within the current SMARTS). Although it is not necessary, you can run multiple HTTP Monitor Servers on one node. But each one needs an exclusive port number.

Server List

Open your web browser and connect the HTTP Monitor Server using the following url: `http://nodename:port`, where *nodename* is the name of the host on which the Natural SQL Gateway server hosting the monitor is running. And *port* is the port number the administrator has assigned as the monitor port in the configuration file.

Example:

Natural Server List

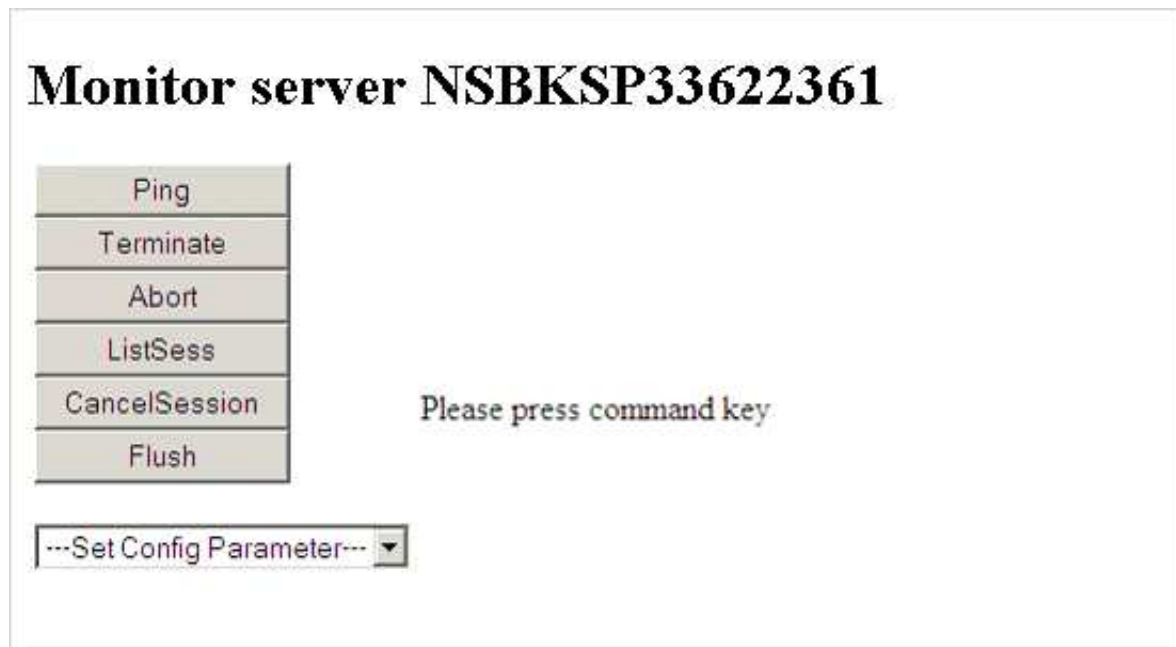
Refresh					
	Server ID	Pid	Started	Config Parameters	Session Parameters
NSB Select	QASB4851	66111	2008/10/08 08:55:27	PORT_NUMBER = 4851 FRONTEND_NAME = CXXNSERV TRACE_LEVEL = 15+30	
NSB Select	NSB12	16843754	2008/10/08 09:03:23	PORT_NUMBER = 4702 FRONTEND_NAME = CXXNSERV TRACE_LEVEL = 31	
NSB Select	NSBKSP	33622361	2008/10/08 15:59:42	PORT_NUMBER = 4704 FRONTEND_NAME = CXXNSERV TRACE_LEVEL = 31	

The server list consists of green and red entries. The red ones represent potentially dead server entries which can be deleted from the server directory by choosing the attached **Remove** button. The **Remove** button appears only for the red entries. "Potentially dead" means, that the HTTP Monitor Server "pinged" the server while assembling the server list, but the server did not answer within a 10 seconds timeout. Thus, even if you find a server entry marked red, it still might be active but could not respond to the ping. Choosing the **Remove** button does not terminate such a server but removes its reference in the monitor directory. Hence, it cannot be reached by the monitor anymore.

Choosing the **Select** button opens a window for monitoring the selected server.

Server Monitor

Example:



With the buttons, you can perform the labeled monitor commands.

The selection box allows you to modify the server configuration parameters. If you select a parameter for modification, it has a predefined value. This predefined value does not reflect the setting of the server. It is just a sample value.

If you choose the **ListSess** button, a list of all Natural sessions appears in the window, for example:

Monitor server NSBKSP33622361

Ping
Terminate
Abort
ListSess
CancelSession
Flush

...Set Config Parameter... ▼

Reply for server pid 67099:

	UserId	SessionId	InitTime	LastActivity	St
1	ASO	BE6FD61E1D5A3582	01 12:18:07	01 12:20:04	I
2	CF	BE6F9F6D6C6E07C2	01 08:13:26	01 08:39:22	I
3	INIT	BE6D8051A1271CC2	27 15:43:36	27 15:43:37	
4	NAU	BE6FCFCC26524E02	01 11:49:50	01 11:50:36	I
5	NAU	BE6FCA37073EA302	01 11:24:52	01 11:45:42	I
6	NAU	BE6FC9FEB43D2842	01 11:23:52	01 11:50:21	I
7	NAU	BE6FC5306C352702	01 11:02:22	01 11:18:45	I
8	NAU	BE6FC51B881CD680	01 11:02:01	01 11:18:44	I
9	NAU	BE6FB5BE5D126740	01 09:53:16	01 10:55:25	I
10	NAU	BE6FB554C21F1F42	01 09:51:26	01 10:55:25	I
11	UF	BE6FBC732C88D202	01 10:23:16	01 13:52:40	I
12	WBE	BE6FF0713CBD5842	01 14:15:53	01 14:23:29	I

You can cancel sessions by selecting the session ID in the **SessionId** column and choosing the **CancelSession** button.