MULTI-SERVER MONITORING SYSTEM (VERS. 3.20)

1. Description:

- A new very useful tool for a real-time, continuous control of servers' activities and connections between them.
- System to use on NetWare 5.x and NetWare 6.x platforms
- Extremely simple and easy to use and cheap at the same time
- An ideal complement to other expensive and sophisticated control systems based on SNMP protocol
- Can be use in local networks as well as in wide-area networks
- Requires only a simple agent running on every controlled system
- For communication between a main system module and agents uses TCP/IP protocol and a port number specified by administrator
- Features of main system module:
    - displays status of servers works continuously on selected Netware server
    - displays names of servers to which the connections are correct in green, to which a lack of connection is between 15 and 30 minutes in violet, and those with a lack of connection above 30 minutes in red *(Fig.1)*
    - enables a view of a few important parameters of controlled systems (*Fig.2*)
    - Creates logs with status changes of controlled servers.
- Available version up to 100 servers.

2. Usage:

System consists of DWAGENT2.NLM module running on every controlled server and DWMON50.NLM running on main managing server. For demo purposes it is possible to start both modules on one server.
DWAGENT2.NLM modules should be placed into SYSTEM folder on SYS volume of every controlled server.
DWMON50.NLM module should be copied into SYSTEM folder on SYS volume of main managing server. A file DWMON50.CFG containing name definitions of all controlled servers should be placed into ETC folder on SYS volume of main managing server.

Command to start DWAGENT2.NLM is following:

DWAGENT2 /N*servername* **/A***ipaddress* **/P***port*

where

servername - is the name used by managing server to identify every controlled server. It is not necessary to keep the same server name as it is set in NDS.
Maximum length of this name is 12 characters. In case of omitting this parameter the default value will be assigned as exists in NDS
ipaddress is an IP address of the managing server. Required parameter.
port is an IP address port number of the managing server. When it is omitted the default value is set to 2100.

To finish a running DWAGENT2 module it should be entered a command: *unload dwagent2*.

Command to start DWMON50.NLM module is following:

DWMON50 /P*port*

where

port is IP address port number on which the managing server will listen to control frames. While omitted the default value is set to 2100

To finish a running of DWMON50 module it should be pressed ESC key or entered a command: *unload dwmon50.*

3. Screens of DWMON50 module are as below:

1. A screen with a status of controlled servers:

Fig.1

The first column shows a controlled server name.
The second column shows a work time of controlled server.
The third column shows a free space on SYS volume of controlled server (in %).

2. The screen with detailed information about selected server:

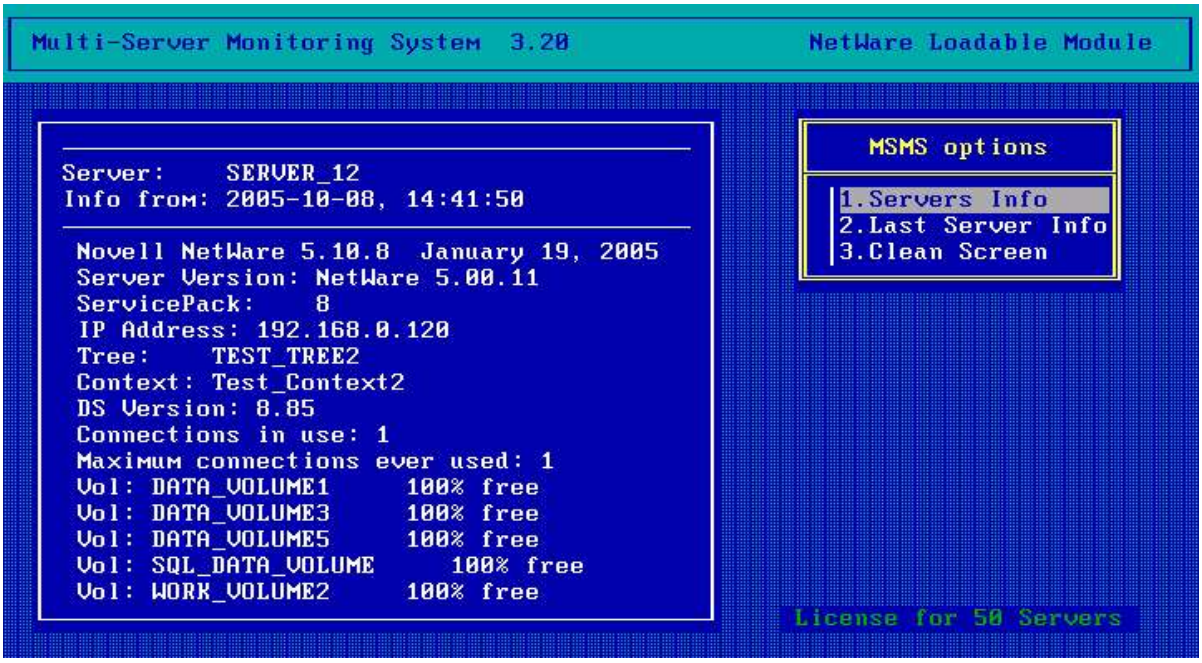

Fig.2

They are displayed following information about controlled servers:

- A version of NetWare system and issue date.
- A number of installed Service Pack.
- IP server address.
- Tree and Context, in which there is a server.
- NDS version.
- A number of concurrent connections.
- Maximum number of connections that appear so far.
- Information about free space of five volumes (in alphabetic order.)

A command Last Server Info displays the last registered information about the last selected server.

3. A screen with no information about selected server:

Fig.3

In case of lack of connection with a server the screen as above is displayed.

4. Log File:

Logs files are created on SYS volume in ETC/DWMON50 folder separately for each server. A sample of such a log file is as follows:

Server: Server_12
020051011152209
220051011152215
120051011152233
220051011154005
320051011155531
020051014141247
220051014141308
120051014141318
020051014142509
220051014142533
320051014143652
120051014144613

The first line contains a server name.
The first digit in every column below the server name means :
0 – start of dwmon50 module.
1 – a change of a connection status to “green” (a connection with a sever is set).
2 – a change of a connection status to “violet” (a lack of connection is between 15 and 30 minutes).
3 – a change of a connection status to “red” (a lack of connection above 30 minutes).

Next digits mean date and time in a following format: YYYYmmddHHmmss.

If you have any Comments and Suggestions please send them to:djack@djack.com.pl

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