

MULTI-SERVER  
MONITORING SYSTEM  
(VERS. 3.22)

FOR  
NETWARE SYSTEM

## 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 5.0, 5.1, 6.0, 6.5, OES NetWare, Windows 2000, Windows 2000 Server and Windows XP platforms.
- Extremely simple and easy to use and free 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 (WAN, Internet).
- Requires only a simple agent running on every controlled NetWare and Windows 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 and Windows 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 50 or 100 servers.

## 2. Usage (NetWare platform):

System consists of DWAGENT3.NLM module running on every controlled NetWare server and DWMON50 module running on main managing NetWare server. For demo purposes it is possible to start both modules on one server.

DWAGENT3.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 DWAGENT3.NLM is following:

**DWAGENT3 /Nservername /Aipaddress /Pport**

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 DWAGENT3 module it should be entered a command: *unload dwagent3*.

Command to start DWMON50.NLM module is following:

**DWMON50 /Pport**

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 (NetWare platform) module are as below:

#### 1. A screen with a status of controlled servers:

SRU_NEWYORK	34 days,	SYS:56% free	Server26	? days,	SYS:56% free
SRU_LONDYN	125 days,	SYS:98% free	Server27	340 days,	SYS:99% free
SRU_PARIS	? days,	SYS:11% free	Server28	123 days,	SYS:12% free
SERUER_12	982 days,	SYS:56% free	Server29	11 days,	SYS:67% free
Server_22	678 days,	SYS:37% free	Server30	234 days,	SYS:46% free
New_server	? days,	SYS:56% free	Server31	34 days,	SYS:56% free
BorderManage	340 days,	SYS:99% free	Server32	125 days,	SYS:98% free
Boston#234	123 days,	SYS:12% free	Server33	? days,	SYS:11% free
Server_N1	11 days,	SYS:67% free	Server34	982 days,	SYS:56% free
Bo_235_#256a	234 days,	SYS:46% free	Server35	678 days,	SYS:37% free
Nowy_York_SR	34 days,	SYS:56% free	Server36	? days,	SYS:56% free
Skierniewice	125 days,	SYS:98% free	Server37	340 days,	SYS:99% free
P0234_0034	? days,	SYS:11% free	Server38	123 days,	SYS:12% free
Server14	982 days,	SYS:56% free	Server39	11 days,	SYS:67% free
Server15	678 days,	SYS:37% free	Server40	234 days,	SYS:46% free
Server16	? days,	SYS:56% free	Server41	34 days,	SYS:56% free
Server17	340 days,	SYS:99% free	Server42	125 days,	SYS:98% free
Server18	123 days,	SYS:12% free	Server43	? days,	SYS:11% free
Server19	11 days,	SYS:67% free	Server44	982 days,	SYS:56% free
Server20	234 days,	SYS:46% free	Server45	678 days,	SYS:37% free
Server21	34 days,	SYS:56% free	Server46	34 days,	SYS:56% free
Server22	125 days,	SYS:98% free	Server47	125 days,	SYS:98% free
Server23	? days,	SYS:11% free	Server48	? days,	SYS:11% free
Server24	982 days,	SYS:56% free	Server49	982 days,	SYS:56% free
Server25	678 days,	SYS:37% free	Server50	234 days,	SYS:46% free

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:

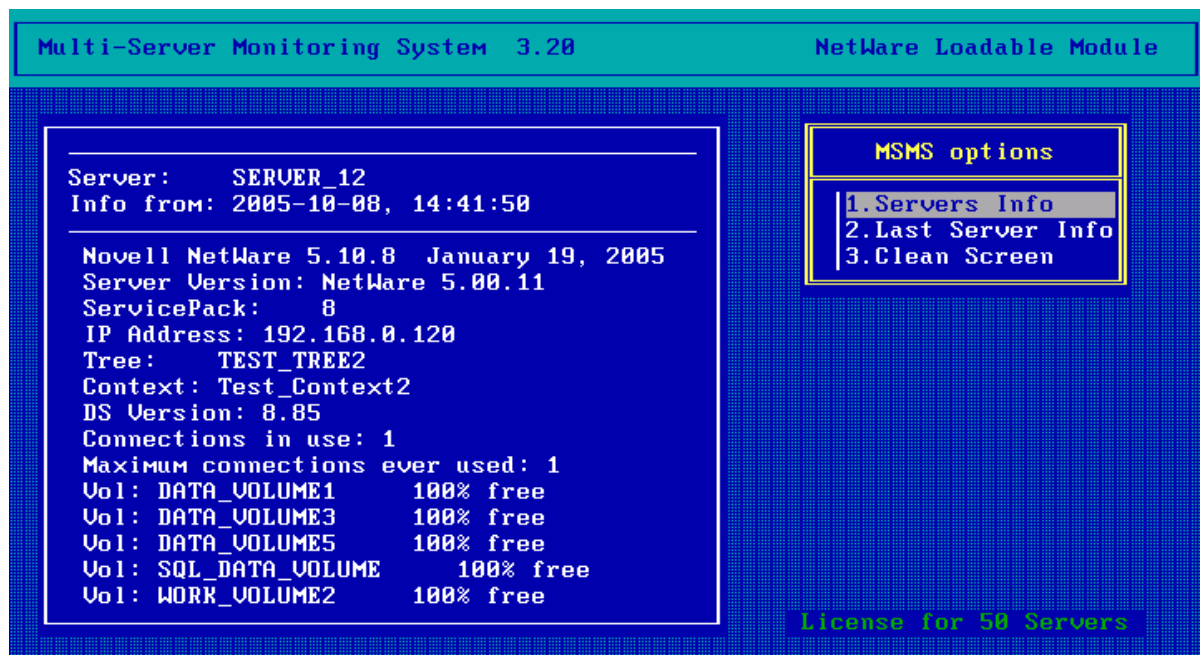


Fig.2

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:

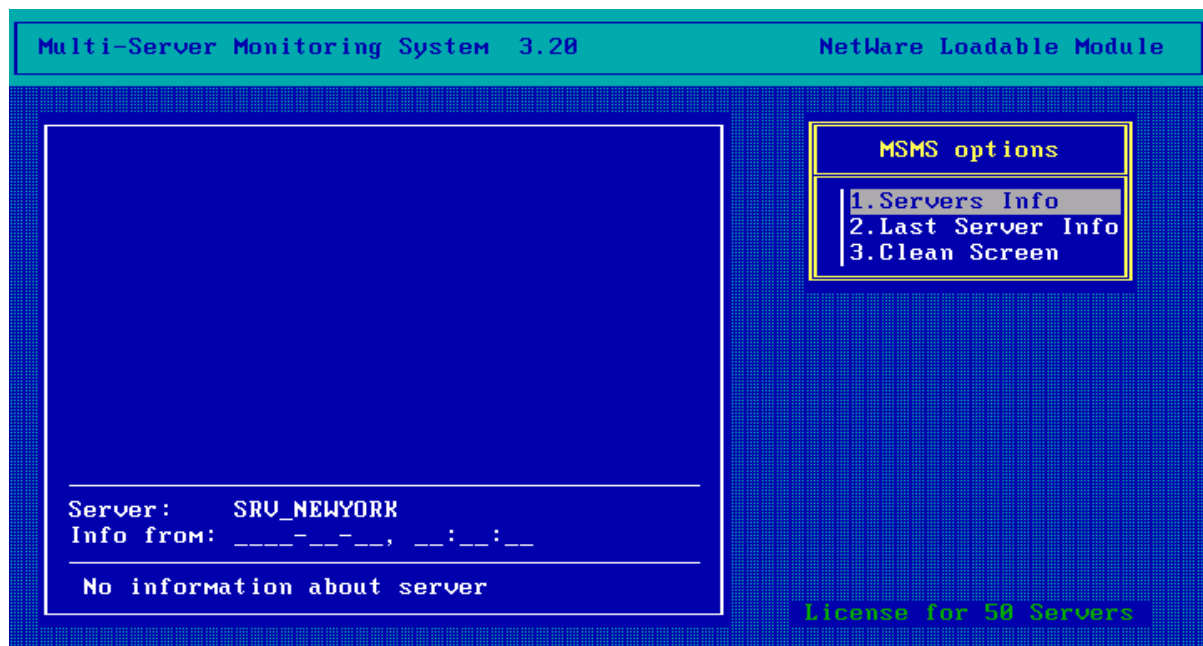


Fig.3

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.

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If you have any Comments and Suggestions please send them to: [djack@djack.com.pl](mailto:djack@djack.com.pl)  
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