

Opsi server u računalnoj učionici



Nakon što smo uspješno instalirali jednog opsi klijenta, na isti način možemo "učlaniti" sva računala iz lokalne mreže, potom im dodijeliti grupe te "daljinski" upravljati njima putem mreže.

Tako formirana grupa, na primjer računalna učionica, može se vrlo praktično iskoristiti za monoton i prilično frustrirajući posao kao što je paljenje i gašenje cca 30-tak računala zbog redovitog održavanja. Vjerovatno vam se više puta dogodilo da napustite instalaciju softvera na računalima jer su vas prekinuli drugi poslovi, te na kraju dana nemate više vremena, snage i živaca vraćati se u pc-lab da ih ručno pošaljete u "shut down". Kako napraviti masovno uspavljinjanje i buđenje računalne učionice kroz web preglednik?

S opsi serverom to je prilično jednostavno. Ulogirajmo se u opsi kofigurator.

Za početak učlanimo sva računala iz učionice na opsi server. Moraju biti vidljiva na listi klijenta.

The screenshot shows the 'opsi configuration ed...' interface. In the top navigation bar, there are icons for file operations, a search bar, and links to 'File Selection', 'OpsiClient', and 'Help'. Below the navigation bar is a toolbar with various icons. On the left, a sidebar titled 'Depot-Server' shows 'opsi.simet.lan' selected. Underneath it, there are sections for 'GROUPS', 'DIRECTORY', and 'CLIENT LIST'. The 'CLIENT LIST' section contains a tree view with nodes like 'lab1rm1.simet.lan', 'lab1rm10.simet.lan', etc. To the right of the sidebar is a main content area with tabs: 'Software inventory', 'Log files', 'Product default-properties', 'Depot configuration', 'Clients' (selected), 'Product configuration', 'Netboot products', 'Host parameters', and 'Hardware information'. The 'Clients' tab displays a table of clients with columns: 'client name', 'description', 'On', 'last seen', and 'IP address'. The table lists 26 clients, all from the 'depot' 'opsi.simet.lan'. The right side of the interface has a detailed panel for the selected client 'lab1rm1.simet.lan', showing fields for 'Description', 'Inventory number', 'opsi MAC address' (00:19:66:f0:97:a2), 'Uefi Boot' (unchecked), 'client one time pass', and 'Notes'.

client name	description	On	last seen	IP address
lab1rm1.simet.lan			2015-07-15 10:...	192.168.1.101
lab1rm10.simet.lan			2015-07-15 12:...	192.168.1.110
lab1rm11.simet.lan			2015-07-15 12:...	192.168.1.111
lab1rm12.simet.lan			2015-07-15 12:...	192.168.1.112
lab1rm13.simet.lan			2015-07-15 12:...	192.168.1.113
lab1rm14.simet.lan			2015-07-15 12:...	192.168.1.114
lab1rm15.simet.lan			2015-07-15 11:...	192.168.1.115
lab1rm17.simet.lan			2015-07-15 12:...	192.168.1.117
lab1rm18.simet.lan			2015-07-15 12:...	192.168.1.118
lab1rm19.simet.lan			2015-07-15 12:...	192.168.1.119
lab1rm2.simet.lan			2015-07-15 12:...	192.168.1.102
lab1rm20.simet.lan			2015-07-15 12:...	192.168.1.120
lab1rm21.simet.lan			2015-07-15 12:...	192.168.1.121
lab1rm19.simet.lan			2015-07-15 12:...	192.168.1.122
lab1rm22.simet.lan			2015-07-15 12:...	192.168.1.123
lab1rm23.simet.lan			2015-07-15 12:...	192.168.1.124
lab1rm24.simet.lan			2015-07-15 12:...	192.168.1.125
lab1rm25.simet.lan			2015-07-15 12:...	192.168.1.103
lab1rm3.simet.lan			2015-07-15 12:...	192.168.1.104
lab1rm4.simet.lan			2015-07-15 12:...	192.168.1.105
lab1rm5.simet.lan			2015-07-15 12:...	192.168.1.106
lab1rm6.simet.lan			2015-07-15 12:...	192.168.1.106

Označimo "**GROUPS**" te kreiramo grupu "LAB1".

The screenshot shows the Opsi configuration interface for a depot server named 'opsi.simet.lan'. On the left, a tree view displays 'Depot-Server' with 'opsi.simet.lan' selected, and sections for 'GROUPS', 'DIRECTORY', and 'CLIENT LIST' containing 26 clients. The main panel shows the 'Clients' tab of the 'Software inventory' interface. A table lists clients by name, description, status, last seen, and IP address. To the right, a detailed view of client 'lab1rm1.simet.lan' is shown, including fields for Description, Inventory number, opsi MAC address (00:19:66:f0:97:a2), Uefi Boot (unchecked), client one time pass, and Notes.

This screenshot is identical to the one above, displaying the Opsi configuration interface for the same depot server 'opsi.simet.lan'. It shows the 'Clients' tab of the 'Software inventory' interface, listing 26 clients in a table and providing a detailed view for client 'lab1rm1.simet.lan' on the right side.

opsi configuration editor - Iceweasel

opsi configuration ed... x + https://opsi.simet.lan:4447/configed/ Google File Selection OpsiClient Help

Depot-Server opsi.simet.lan

Create subgroup alle elemente auswählen

lab1rm1.simet.lan lab1rm10.simet.lan lab1rm11.simet.lan lab1rm12.simet.lan lab1rm13.simet.lan lab1rm14.simet.lan lab1rm15.simet.lan lab1rm17.simet.lan lab1rm18.simet.lan lab1rm19.simet.lan lab1rm2.simet.lan lab1rm20.simet.lan lab1rm21.simet.lan lab1rm22.simet.lan lab1rm23.simet.lan lab1rm24.simet.lan

Software inventory Log files Product default-properties Depot configuriati... Clients Product configuration Netboot products Host parameters Hardware information

search in all columns mode full-text search

client name	description	On	last seen	IP address
lab1rm1.simet.lan				

lab1rm1.simet.lan

Description
Inventory number
opsi MAC address 00:19:66:f0:97:a2
Uefi Boot client one time pass
Notes

Clients total: 26 SE... GROUPS c... number of clients: 0 (...)

This screenshot shows the 'Clients' tab in the Opsi Configuration Editor. On the left, a tree view shows a 'Create subgroup' option under 'Depot-Server'. The main pane lists 26 clients, each represented by a small icon and a name like 'lab1rm1.simet.lan'. A context menu is open over the first client, listing options such as 'Create subgroup' and 'alle elemente auswählen'. To the right, a detailed view of the selected client ('lab1rm1.simet.lan') is shown, including fields for description, inventory number, MAC address (00:19:66:f0:97:a2), Uefi Boot status, and notes.

opsi configuration editor - Iceweasel

opsi configuration ed... x + https://opsi.simet.lan:4447/configed/ Google File Selection OpsiClient Help

Depot-Server opsi.simet.lan

Create subgroup alle elemente auswählen

lab1rm1.simet.lan lab1rm10.simet.lan lab1rm11.simet.lan lab1rm12.simet.lan lab1rm13.simet.lan lab1rm14.simet.lan lab1rm15.simet.lan lab1rm17.simet.lan lab1rm18.simet.lan lab1rm19.simet.lan lab1rm2.simet.lan lab1rm20.simet.lan lab1rm21.simet.lan lab1rm22.simet.lan lab1rm23.simet.lan lab1rm24.simet.lan

Software inventory Log files Product default-properties Depot configuriati... Clients Product configuration Netboot products Host parameters Hardware information

search in all columns mode full-text search

client name	description	On	last seen	IP address
lab1rm1.simet.lan				

lab1rm1.simet.lan

Description
Inventory number
opsi MAC address 00:19:66:f0:97:a2
Uefi Boot client one time pass
Notes

Clients total: 26 SE... GROUPS c... number of clients: 0 (...)

This screenshot is identical to the one above, showing the 'Clients' tab in the Opsi Configuration Editor. It displays the same list of 26 clients, the same context menu for the first client, and the same detailed view for the selected client ('lab1rm1.simet.lan'). The interface and data are consistent with the first screenshot.

opsi configuration editor - Iceweasel

File Selection OpsiClient Help

Depot-Server
opsi.simet.lan

Create subgroup
alle elemente auswählen

- lab1rm1.simet.lan
- lab1rm10.simet.lan
- lab1rm11.simet.lan
- lab1rm12.simet.lan
- lab1rm13.simet.lan
- lab1rm14.simet.lan
- lab1rm15.simet.lan
- lab1rm17.simet.lan
- lab1rm18.simet.lan
- lab1rm19.simet.lan
- lab1rm2.simet.lan
- lab1rm20.simet.lan
- lab1rm21.simet.lan
- lab1rm22.simet.lan
- lab1rm23.simet.lan
- lab1rm24.simet.lan

Software inventory Log files Product default-properties Depot configuration Clients Product configuration Netboot products Host parameters Hardware information

client name description On last seen IP address

search in all columns mode full-text search

Clients total: 26 SE... GROUPS c... number of clients: 0 ...

lab1rm1.simet.lan

Description
Inventory number
opsi MAC address 00:19:66:f0:97:a2
Uefi Boot client one time pass
Notes

opsi configuration editor - Iceweasel

File Selection OpsiClient Help

Depot-Server
opsi.simet.lan

GROUPS
DIRECTORY
CLIENT LIST
lab1rm1.simet.lan
lab1rm10.simet.lan
lab1rm11.simet.lan
lab1rm12.simet.lan
lab1rm13.simet.lan
lab1rm14.simet.lan
lab1rm15.simet.lan
lab1rm17.simet.lan
lab1rm18.simet.lan
lab1rm19.simet.lan
lab1rm2.simet.lan
lab1rm20.simet.lan
lab1rm21.simet.lan
lab1rm22.simet.lan
lab1rm23.simet.lan
lab1rm24.simet.lan

New subgroup (opsi config editor)

New group

Name LAB1

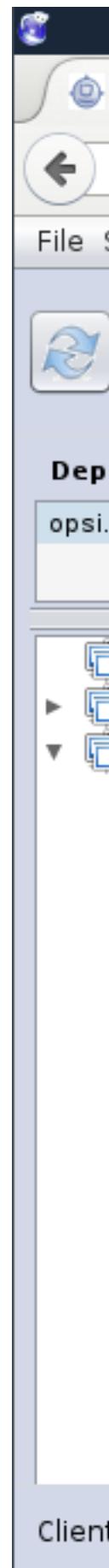
Description

IP address

lab1rm1.simet.lan

Description
Inventory number
opsi MAC address 00:19:66:f0:97:a2
Uefi Boot client one time pass
Notes

The screenshot shows the 'opsi configuration editor - Iceweasel' window. In the top left, there's a navigation bar with icons for file operations like back, forward, search, and refresh. The main area has tabs for 'Software inventory', 'Log files', 'Product default-properties', 'Depot configuration', and 'Hardware information'. The 'Clients' tab is selected. On the left, a tree view under 'Depot-Server' shows 'opsi.simet.lan' expanded to show 'GROUPS', 'lab1' (selected), 'DIRECTORY', and 'CLIENT LIST' containing numerous clients named 'lab1rm1' through 'lab1rm32'. The central part of the screen displays a table for 'Clients' with columns: 'client name', 'description', 'On', 'last seen', and 'IP address'. A search bar at the top of this table allows searching in 'all columns' or 'full-text search'. On the right, a detailed view for 'lab1rm1.simet.lan' is shown with fields for 'Description', 'Inventory number', 'opsi MAC address' (set to '00:19:66:f0:97:a2'), 'Uefi Boot' (unchecked), 'client one time pass' (empty), and 'Notes' (empty). At the bottom, there are buttons for 'Clients total: 26', 'SE...', 'lab1', 'C...', 'number of clients: 0', and '(...)'.



Prebacimo se na "**CLIENT LIST**" označimo zadnje računalo te sa **CTRL+** strelica gore "poplavimo" klijente koje želimo u grupi "lab1". Tako označene klijente "drag and drop" metodom "povučemo" u *lab1* grupu.

opsi configuration editor - Iceweasel

File Selection OpsiClient Help

Depot-Server: opsi.simet.lan

Software inventory Log files Product default-properties Depot configuration

Clients Product configuration Netboot products Host parameters Hardware information

client name	description	On	last seen	IP address
lab1rm14.simet...			2015-07-15 12...	192.168.1.114
lab1rm15.simet...			2015-07-15 11...	192.168.1.115
lab1rm17.simet...			2015-07-15 12...	192.168.1.117
lab1rm18.simet...			2015-07-15 12...	192.168.1.118
lab1rm19.simet...			2015-07-15 12...	192.168.1.119
lab1rm2.simet.lan			2015-07-15 12...	192.168.1.102
lab1rm20.simet...			2015-07-15 12...	192.168.1.120
lab1rm21.simet...			2015-07-15 12...	192.168.1.121
lab1rm22.simet...			2015-07-15 12...	192.168.1.122
lab1rm23.simet...			2015-07-15 12...	192.168.1.123
lab1rm24.simet...			2015-07-15 12...	192.168.1.124
lab1rm25.simet...			2015-07-15 12...	192.168.1.125
lab1rm3.simet.lan			2015-07-15 12...	192.168.1.103
lab1rm4.simet.lan			2015-07-15 12...	192.168.1.104
lab1rm5.simet.lan			2015-07-15 12...	192.168.1.105
lab1rm6.simet.lan			2015-07-15 12...	192.168.1.106
lab1rm7.simet.lan			2015-07-15 12...	192.168.1.107
lab1rm8.simet.lan			2015-07-15 12...	192.168.1.108
lab1rm9.simet.lan			2015-07-15 12...	192.168.1.109
opsi.pc.simet.lan			2015-06-08 10...	192.168.1.84
satl40-pc.simet.l...			2015-05-20 09...	192.168.1.7

Clients total: 26 SE... c... lab1rm9.simet.lan number of clients: 1 (... opsi.simet.lan .)

opsi configuration editor - Iceweasel

File Selection OpsiClient Help

Depot-Server: opsi.simet.lan

Software inventory Log files Product default-properties Depot configuration

Clients Product configuration Netboot products Host parameters Hardware information

client name	description	On	last seen	IP address
lab1rm14.simet...			2015-07-15 12...	192.168.1.114
lab1rm15.simet...			2015-07-15 11...	192.168.1.115
lab1rm17.simet...			2015-07-15 12...	192.168.1.117
lab1rm18.simet...			2015-07-15 12...	192.168.1.118
lab1rm19.simet...			2015-07-15 12...	192.168.1.119
lab1rm2.simet.lan			2015-07-15 12...	192.168.1.102
lab1rm20.simet...			2015-07-15 12...	192.168.1.120
lab1rm21.simet...			2015-07-15 12...	192.168.1.121
lab1rm22.simet...			2015-07-15 12...	192.168.1.122
lab1rm23.simet...			2015-07-15 12...	192.168.1.123
lab1rm24.simet...			2015-07-15 12...	192.168.1.124
lab1rm25.simet...			2015-07-15 12...	192.168.1.125
lab1rm3.simet.lan			2015-07-15 12...	192.168.1.103
lab1rm4.simet.lan			2015-07-15 12...	192.168.1.104
lab1rm5.simet.lan			2015-07-15 12...	192.168.1.105
lab1rm6.simet.lan			2015-07-15 12...	192.168.1.106
lab1rm7.simet.lan			2015-07-15 12...	192.168.1.107
lab1rm8.simet.lan			2015-07-15 12...	192.168.1.108
lab1rm9.simet.lan			2015-07-15 12...	192.168.1.109
opsi.pc.simet.lan			2015-06-08 10...	192.168.1.84
satl40-pc.simet.l...			2015-05-20 09...	192.168.1.7

Clients total: 26 SE... c... lab1rm9.simet.lan number of clients: 1 (... opsi.simet.lan .)

client name	description	On	last seen	IP address
lab1rm14.simet....			2015-07-15 12:...	192.168.1.114
lab1rm15.simet....			2015-07-15 11:...	192.168.1.115
lab1rm17.simet....			2015-07-15 12:...	192.168.1.117
lab1rm18.simet....			2015-07-15 12:...	192.168.1.118
lab1rm19.simet....			2015-07-15 12:...	192.168.1.119
lab1rm2.simet.lan			2015-07-15 12:...	192.168.1.102
lab1rm20.simet....			2015-07-15 12:...	192.168.1.120
lab1rm21.simet....			2015-07-15 12:...	192.168.1.121
lab1rm22.simet....			2015-07-15 12:...	192.168.1.122
lab1rm23.simet....			2015-07-15 12:...	192.168.1.123
lab1rm24.simet....			2015-07-15 12:...	192.168.1.124
lab1rm25.simet....			2015-07-15 12:...	192.168.1.125
lab1rm3.simet.lan			2015-07-15 12:...	192.168.1.103
lab1rm4.simet....			2015-07-15 12:...	192.168.1.104
lab1rm5.simet....			2015-07-15 12:...	192.168.1.105
lab1rm6.simet....			2015-07-15 12:...	192.168.1.106
lab1rm7.simet.lan			2015-07-15 12:...	192.168.1.107
lab1rm8.simet....			2015-07-15 12:...	192.168.1.108
lab1rm9.simet....			2015-07-15 12:...	192.168.1.109
opsi-pc.simet.lan			2015-06-08 10:...	192.168.1.84
sat40-pc.simet.l...			2015-05-20 09:...	192.168.1.7

Grupa *lab1* je formirana i možemo krenuti s "daljinskim upravljanjem" 24 klijenta.

client name	description	On	last seen	IP address
lab1rm1.simet.lan			2015-07-15 10:...	192.168.1.101
lab1rm10.simet....			2015-07-15 12:...	192.168.1.110
lab1rm11.simet.lan			2015-07-15 12:...	192.168.1.111
lab1rm12.simet....			2015-07-15 12:...	192.168.1.112
lab1rm13.simet....			2015-07-15 12:...	192.168.1.113
lab1rm14.simet....			2015-07-15 12:...	192.168.1.114
lab1rm15.simet....			2015-07-15 11:...	192.168.1.115
lab1rm17.simet....			2015-07-15 12:...	192.168.1.117
lab1rm18.simet....			2015-07-15 12:...	192.168.1.118
lab1rm19.simet.lab1rm17.simet.lan			2015-07-15 12:...	192.168.1.119
lab1rm2.simet.lan			2015-07-15 12:...	192.168.1.102
lab1rm20.simet....			2015-07-15 12:...	192.168.1.120
lab1rm21.simet....			2015-07-15 12:...	192.168.1.121
lab1rm22.simet....			2015-07-15 12:...	192.168.1.122
lab1rm23.simet....			2015-07-15 12:...	192.168.1.123
lab1rm24.simet....			2015-07-15 12:...	192.168.1.124
lab1rm25.simet....			2015-07-15 12:...	192.168.1.125
lab1rm3.simet.lan			2015-07-15 12:...	192.168.1.103
lab1rm4.simet....			2015-07-15 12:...	192.168.1.104
lab1rm5.simet....			2015-07-15 12:...	192.168.1.105
lab1rm6.simet....			2015-07-15 12:...	192.168.1.106

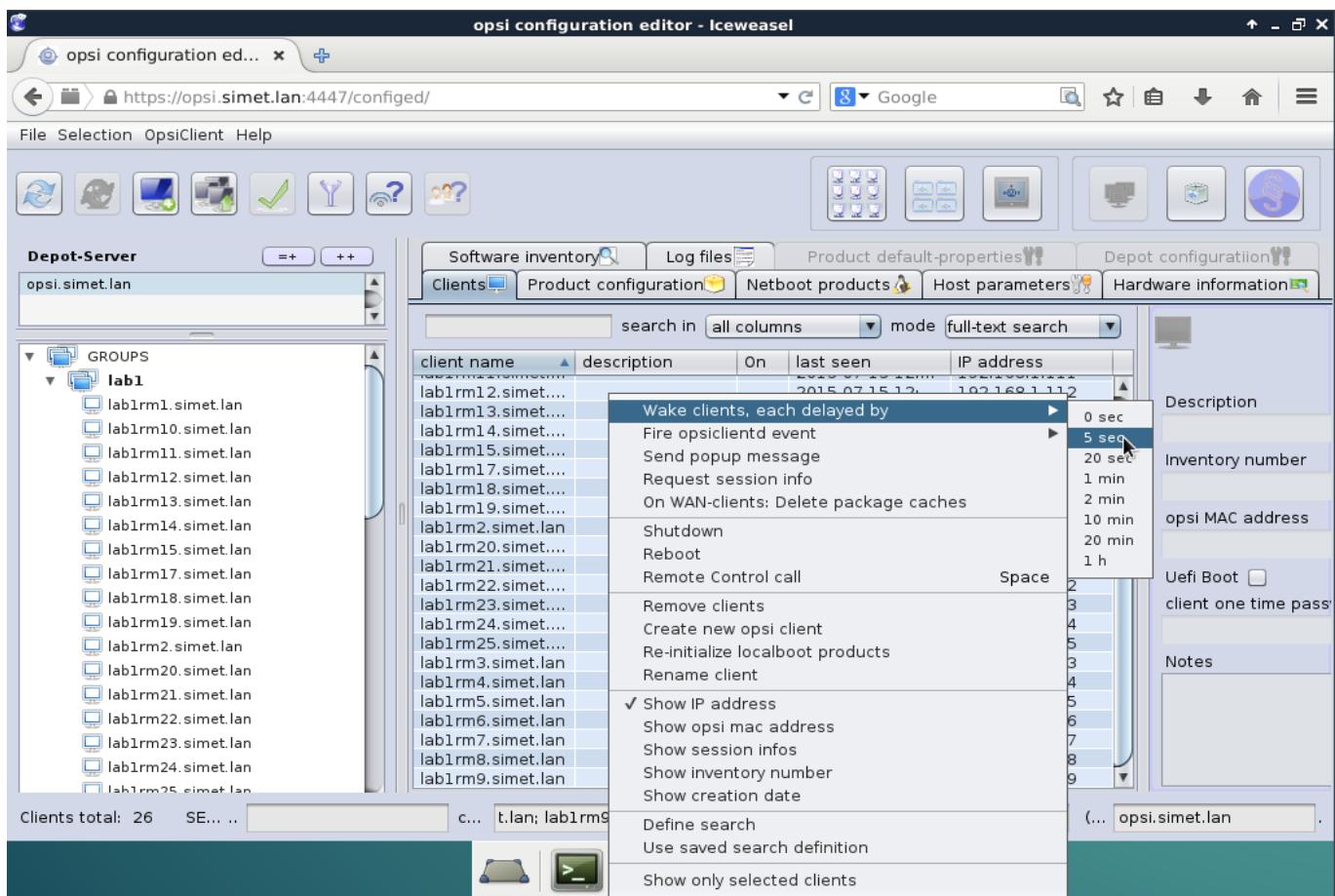
Za "buđenje preko mreže" računala moraju biti podešena u BIOS-u na *Wake On LAN* ili *Power Up On PCI Device* opciju. Nakon što smo podesili potrebne opcije BIOS-a u "On" ili "Enabled". Označimo s **CRTL+A** sve klijente iz grupe *lab1*.

The screenshot shows the 'Clients' tab in the Opsi Configuration Editor. The left sidebar displays a tree view of groups, with 'lab1' selected. The main area shows a table of connected clients:

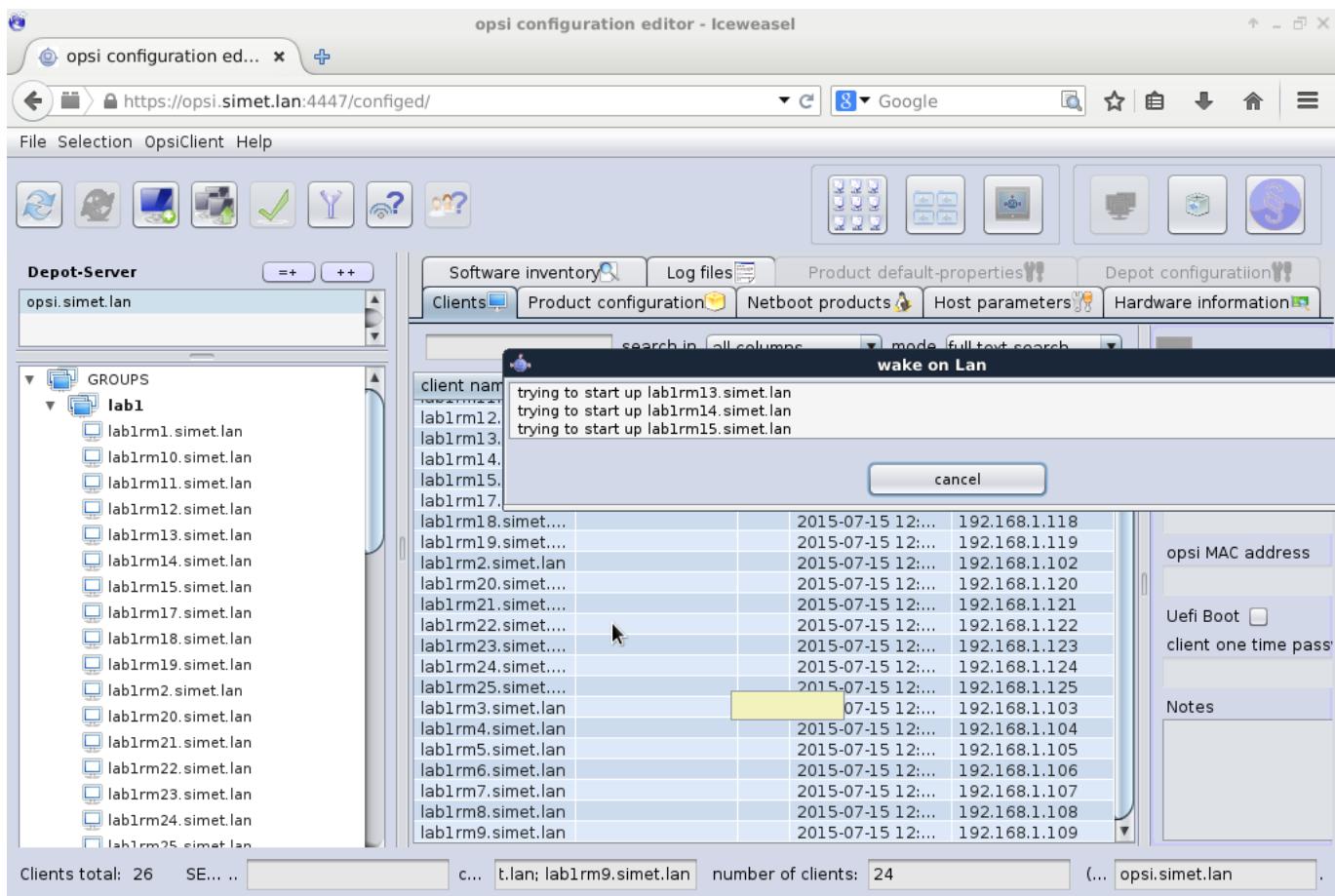
client name	description	On	last seen	IP address
lab1rm1.simet.lan		...	2015-07-15 10:...	192.168.1.101
lab1rm10.simet....		...	2015-07-15 12:...	192.168.1.110
lab1rm11.simet....		...	2015-07-15 12:...	192.168.1.111
lab1rm12.simet....		...	2015-07-15 12:...	192.168.1.112
lab1rm13.simet....		...	2015-07-15 12:...	192.168.1.113
lab1rm14.simet....		...	2015-07-15 12:...	192.168.1.114
lab1rm15.simet....		...	2015-07-15 11:...	192.168.1.115
lab1rm17.simet....		...	2015-07-15 12:...	192.168.1.117
lab1rm18.simet....		...	2015-07-15 12:...	192.168.1.118
lab1rm19.simet....		...	2015-07-15 12:...	192.168.1.119
lab1rm2.simet.lan		...	2015-07-15 12:...	192.168.1.102
lab1rm18.simet.lan		...	2015-07-15 12:...	192.168.1.120
lab1rm19.simet.lan		...	2015-07-15 12:...	192.168.1.121
lab1rm21.simet....		...	2015-07-15 12:...	192.168.1.122
lab1rm22.simet....		...	2015-07-15 12:...	192.168.1.123
lab1rm23.simet....		...	2015-07-15 12:...	192.168.1.124
lab1rm24.simet....		...	2015-07-15 12:...	192.168.1.125
lab1rm25.simet....		...	2015-07-15 12:...	192.168.1.103
lab1rm3.simet.lan		...	2015-07-15 12:...	192.168.1.104
lab1rm4.simet.lan		...	2015-07-15 12:...	192.168.1.105
lab1rm5.simet.lan		...	2015-07-15 12:...	192.168.1.106
lab1rm6.simet.lan		...	2015-07-15 12:...	192.168.1.106

Below the table, it says 'Clients total: 26'. At the bottom right, there are buttons for '... opsi.simet.lan'.

Desnim klikom miša odabiremo "buđenje" klijenata sa odmakom 5 sekundi. Vremenski odmak treba planirati zbog mogućeg strujnog preopterećenja do kojeg bi moglo doći ukoliko bi se klijenti palili istovremeno.



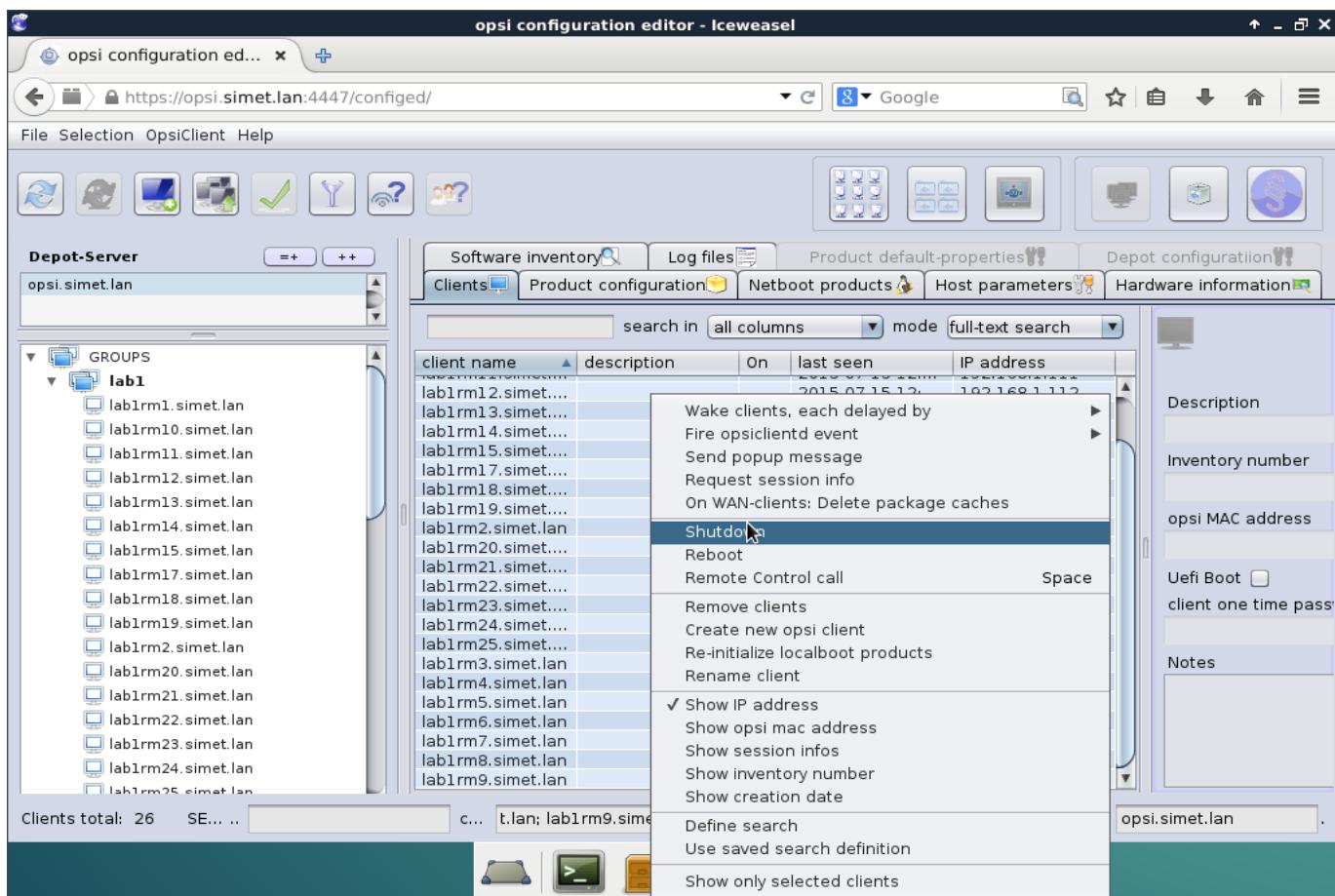
Kreće lančana reakcija. Masovno ustajanje :) Provjeru budnosti možemo pratiti opcijom "Check which clients are connected".



cp

The screenshot shows the 'opsi configuration editor - Iceweasel' window. In the top left, there's a tab labeled 'opsi configuration ed...'. The address bar shows the URL 'https://opsi.simet.lan:4447/configed/'. The main interface has tabs for 'Software inventory', 'Log files', 'Product default-properties', 'Depot configuration', 'Clients', 'Product configuration', 'Netboot products', 'Host parameters', and 'Hardware information'. A search bar at the top right includes 'search in all columns' and 'mode full-text search'. On the left, a tree view shows 'Depot-Server' with 'opsi.simet.lan' selected, and 'GROUPS' containing a group named 'lab1' which contains clients like 'lab1rm1.simet.lan' through 'lab1rm25.simet.lan'. The central part of the screen displays a table of clients with columns: 'client name', 'description', 'On', 'last seen', and 'IP address'. One row in the table is highlighted with a yellow background. A modal dialog box titled 'opsi config editor' is overlaid on the table, containing the message 'Call for reachable info is running ...' and a 'Close' button. To the right of the table, a detailed view of a client named 'lab1rm9.simet.lan' is shown in a sidebar, with fields for 'Description', 'Inventory number', 'opsi MAC address' (c8:9c:dc:39:ed:66), 'Uefi Boot' (unchecked), 'client one time pass', and 'Notes'. At the bottom, there are buttons for 'Clients total: 26' and 'SE...'. The status bar shows 'number of clients: 0' and '(... opsi.simet.lan)'.

Napokon na kraju napornog radnog dana istom metodom ugasimo cijelu učionicu jednim klikom miša. Neprocjenjivo je iskustvo kad učionica utihne za manje od 60 sekundi.



Vezani članci:

[Opsi server - Instalacija](#) [1]

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