

Programimi i aplikacioneve për serverë

4. Web serveri

Monitorimi, organizimi i të dhënave dhe adresimi i serverit

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Përsëritje

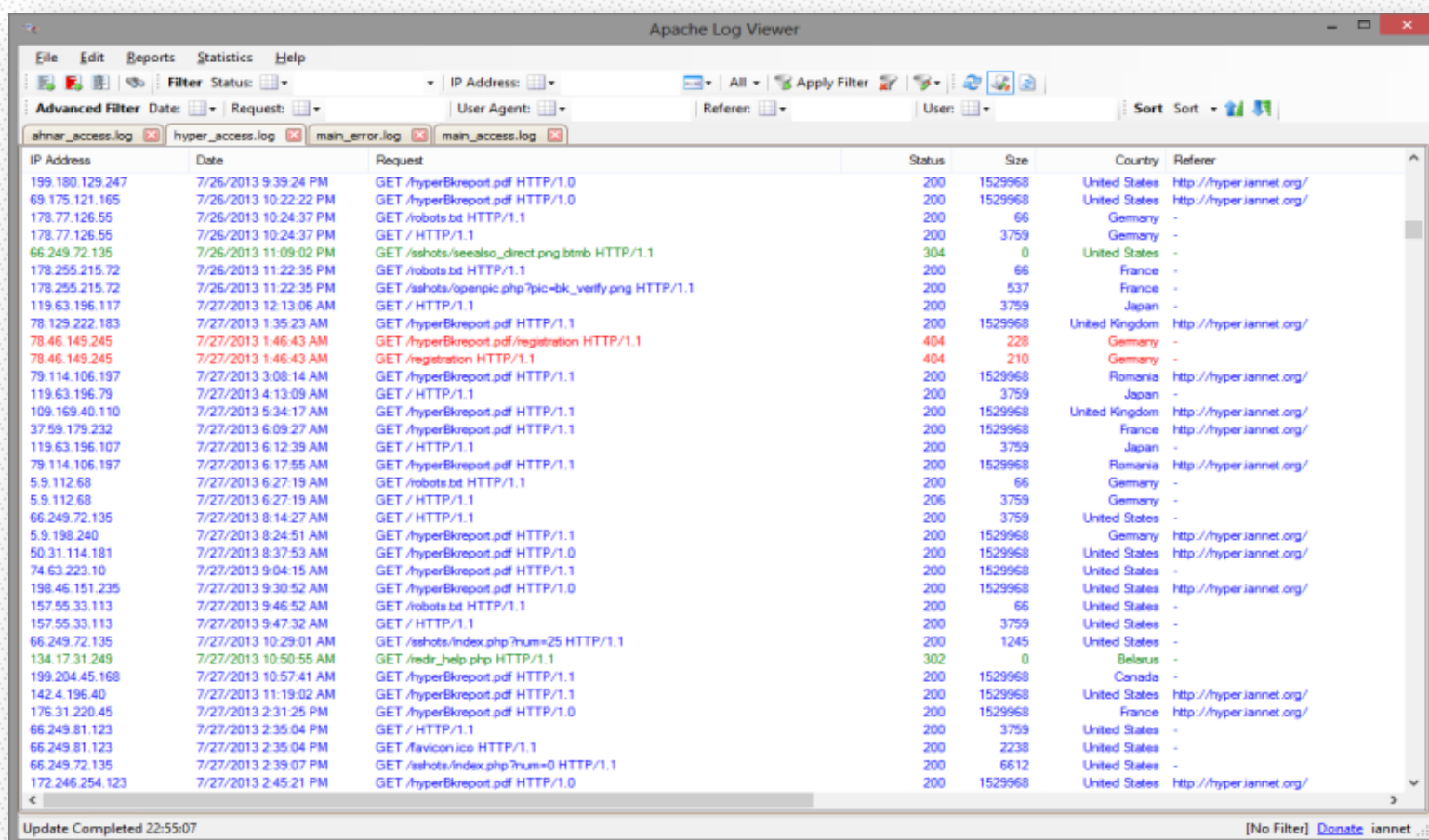
- Çka nevojitet për të ofruar web shërbime?
- Cili është web serveri më i njohur?
- Si mund të instalohen web serveri, databaza dhe PHP?
- Çka është XAMPP? Po WAMP? Po LAMP?
- Për çka qëndron shkurtesa PHP?
- Çka ju tregon **phpinfo()** ?
- **Vërejtje:** Nëse nuk i bëni detyrat e shtëpisë, me siguri nuk e kaloni dot lëndën!!!

phpinfo()

- **<http://php.net/phpinfo>**
- Nxjerr info të shumta:
 - Gjendjen dhe versionin e PHP
 - Opsionet e ofruara nga PHP
 - Informata mbi serverin ku instalohet
 - Lloji i sistemit operativ
 - Shtegun e fajlave të serverit
 - Të dhëna mbi konfigurimet
 - Licenca e PHP, etj.

Monitorimi

■ Apache Log Viewer



The screenshot shows the Apache Log Viewer application window. The window has a menu bar (File, Edit, Reports, Statistics, Help) and a toolbar with various icons. Below the toolbar is a filter section with fields for IP Address, Date, Request, User Agent, Referer, and User. The main area displays a table of log entries. The table has columns for IP Address, Date, Request, Status, Size, Country, and Referer. The entries are sorted by date, showing requests from July 26, 2013, to July 27, 2013. The status codes are mostly 200, with some 404s. The countries listed include United States, Germany, France, Japan, United Kingdom, Romania, and Belarus. The referers are mostly http://hyperian.net/.

IP Address	Date	Request	Status	Size	Country	Referer
199.180.129.247	7/26/2013 9:39:24 PM	GET /hyperEkreport.pdf HTTP/1.0	200	1529968	United States	http://hyperian.net/
69.175.121.165	7/26/2013 10:22:22 PM	GET /hyperEkreport.pdf HTTP/1.0	200	1529968	United States	http://hyperian.net/
178.77.126.55	7/26/2013 10:24:37 PM	GET /robots.txt HTTP/1.1	200	66	Germany	-
178.77.126.55	7/26/2013 10:24:37 PM	GET / HTTP/1.1	200	3759	Germany	-
66.249.72.135	7/26/2013 11:09:02 PM	GET /shots/seealso_direct.png btmb HTTP/1.1	304	0	United States	-
178.255.215.72	7/26/2013 11:22:35 PM	GET /robots.txt HTTP/1.1	200	66	France	-
178.255.215.72	7/26/2013 11:22:35 PM	GET /shots/openpic.php?pic=btb_verify.png HTTP/1.1	200	537	France	-
119.63.196.117	7/27/2013 12:13:06 AM	GET / HTTP/1.1	200	3759	Japan	-
78.129.222.183	7/27/2013 1:35:23 AM	GET /hyperEkreport.pdf HTTP/1.1	200	1529968	United Kingdom	http://hyperian.net/
78.46.149.245	7/27/2013 1:46:43 AM	GET /hyperEkreport.pdf/registration HTTP/1.1	404	228	Germany	-
78.46.149.245	7/27/2013 1:46:43 AM	GET /registration HTTP/1.1	404	210	Germany	-
79.114.106.197	7/27/2013 3:08:14 AM	GET /hyperEkreport.pdf HTTP/1.1	200	1529968	Romania	http://hyperian.net/
119.63.196.79	7/27/2013 4:13:09 AM	GET / HTTP/1.1	200	3759	Japan	-
109.169.40.110	7/27/2013 5:34:17 AM	GET /hyperEkreport.pdf HTTP/1.1	200	1529968	United Kingdom	http://hyperian.net/
37.59.179.232	7/27/2013 6:09:27 AM	GET /hyperEkreport.pdf HTTP/1.1	200	1529968	France	http://hyperian.net/
119.63.196.107	7/27/2013 6:12:39 AM	GET / HTTP/1.1	200	3759	Japan	-
79.114.106.197	7/27/2013 6:17:55 AM	GET /hyperEkreport.pdf HTTP/1.1	200	1529968	Romania	http://hyperian.net/
5.9.112.68	7/27/2013 6:27:19 AM	GET /robots.txt HTTP/1.1	200	66	Germany	-
5.9.112.68	7/27/2013 6:27:19 AM	GET / HTTP/1.1	206	3759	Germany	-
66.249.72.135	7/27/2013 8:14:27 AM	GET / HTTP/1.1	200	3759	United States	-
5.9.198.240	7/27/2013 8:24:51 AM	GET /hyperEkreport.pdf HTTP/1.1	200	1529968	Germany	http://hyperian.net/
50.31.114.181	7/27/2013 8:37:53 AM	GET /hyperEkreport.pdf HTTP/1.0	200	1529968	United States	http://hyperian.net/
74.63.223.10	7/27/2013 9:04:15 AM	GET /hyperEkreport.pdf HTTP/1.1	200	1529968	United States	-
198.46.151.235	7/27/2013 9:30:52 AM	GET /hyperEkreport.pdf HTTP/1.0	200	1529968	United States	http://hyperian.net/
157.55.33.113	7/27/2013 9:46:52 AM	GET /robots.txt HTTP/1.1	200	66	United States	-
157.55.33.113	7/27/2013 9:47:32 AM	GET / HTTP/1.1	200	3759	United States	-
66.249.72.135	7/27/2013 10:29:01 AM	GET /shots/index.php?num=25 HTTP/1.1	200	1245	United States	-
134.17.31.249	7/27/2013 10:50:55 AM	GET /redir_help.php HTTP/1.1	302	0	Belarus	-
199.204.45.168	7/27/2013 10:57:41 AM	GET /hyperEkreport.pdf HTTP/1.1	200	1529968	Canada	-
142.4.196.40	7/27/2013 11:19:02 AM	GET /hyperEkreport.pdf HTTP/1.1	200	1529968	United States	http://hyperian.net/
176.31.220.45	7/27/2013 2:31:25 PM	GET /hyperEkreport.pdf HTTP/1.0	200	1529968	France	http://hyperian.net/
66.249.81.123	7/27/2013 2:35:04 PM	GET / HTTP/1.1	200	3759	United States	-
66.249.81.123	7/27/2013 2:35:04 PM	GET /favicon.ico HTTP/1.1	200	2238	United States	-
66.249.72.135	7/27/2013 2:39:07 PM	GET /shots/index.php?num=0 HTTP/1.1	200	6612	United States	-
172.246.254.123	7/27/2013 2:45:21 PM	GET /hyperEkreport.pdf HTTP/1.0	200	1529968	United States	http://hyperian.net/

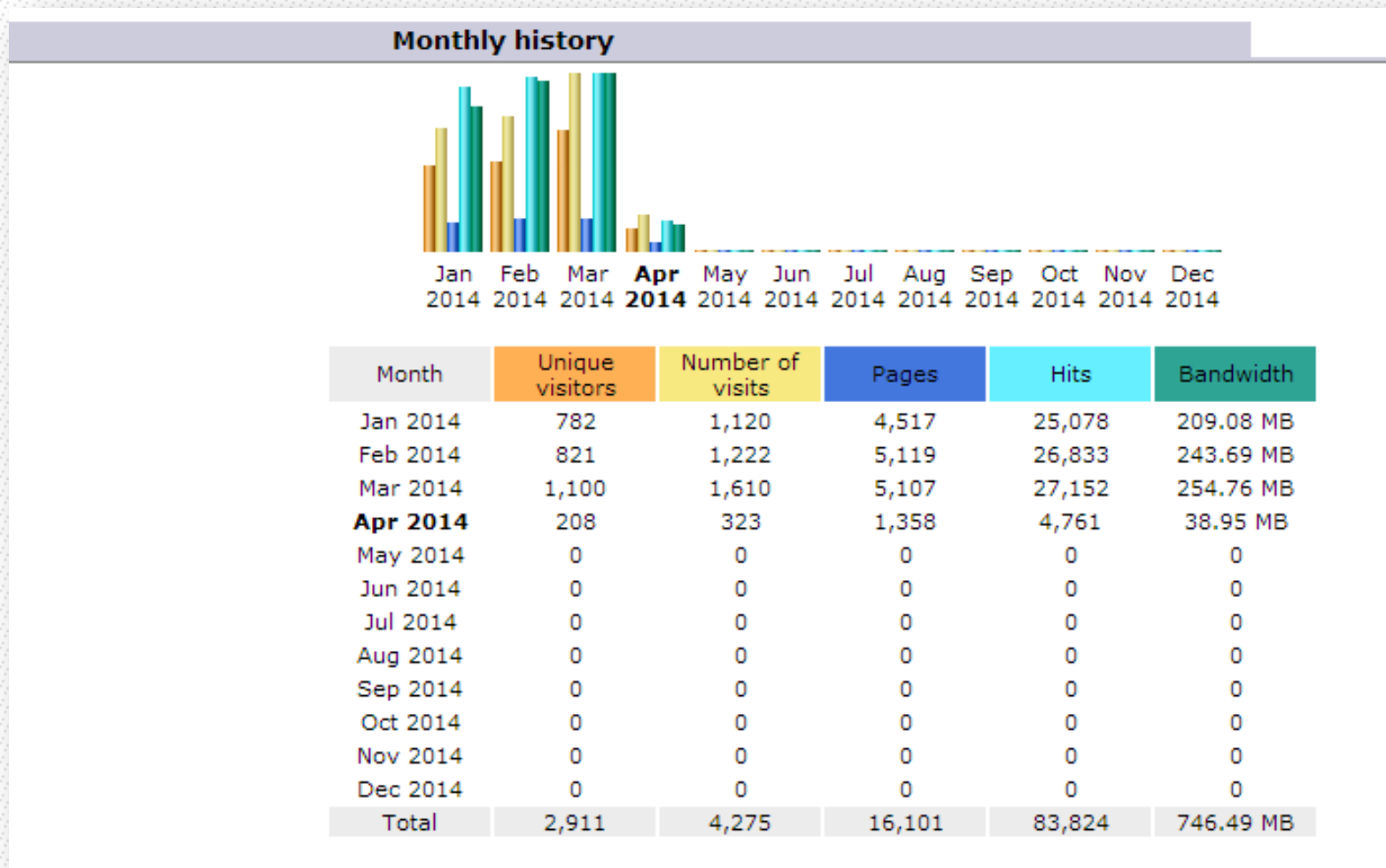
Update Completed 22:55:07 [No Filter] Donate ianet

Të dhënat në web

- Ne folderin publik
- C:\xampp\htdocs – ne Apache
- C:\inetpub\wwwroot – ne IIS
- Krijoni një fajl të thjeshtë tekstual, dhe testojeni me Internet Browser.

Monitorimi

■ AWStats



Logs

Ato të Apache, në **C:\xampp\apache\logs**

Ato të MySQL, në **C:\xampp\mysql\data**

XAMPP Control Panel v3.2.1 [Compiled: May 7th 2013]

XAMPP Control Panel v3.2.1

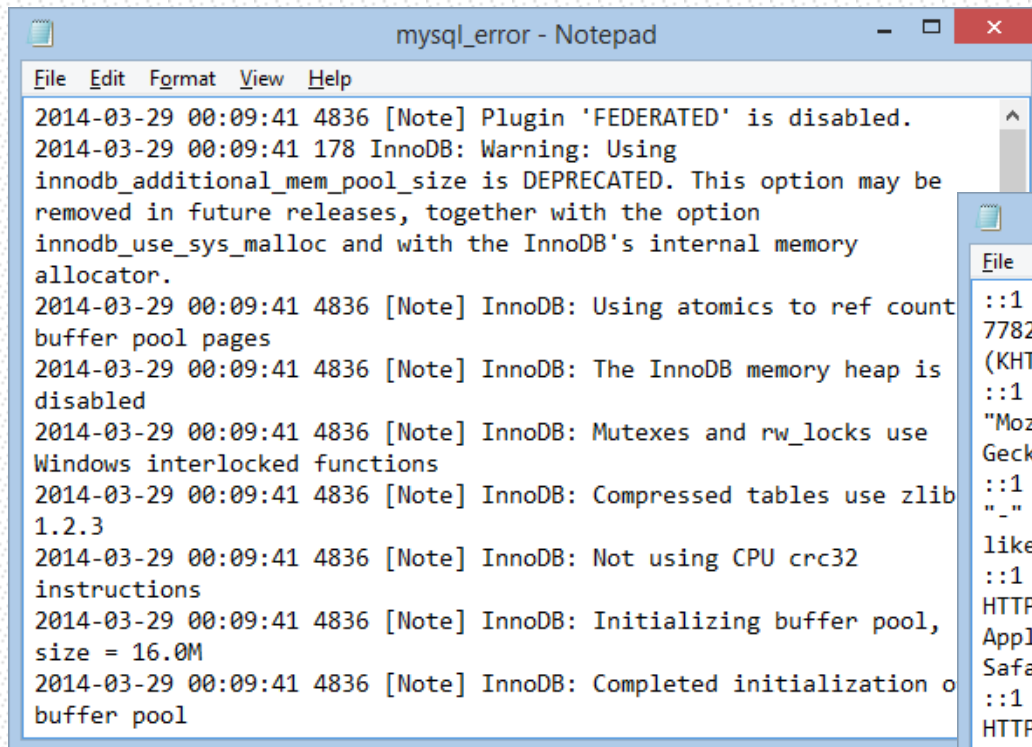
Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	6052 5816	443, 8080	Stop Admin Config Logs
<input type="checkbox"/>	MySQL	2432	3306	Stop Admin Config Logs
<input type="checkbox"/>	FileZilla			Start Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

09:18:45 [Apache] Problem detected!
09:18:45 [Apache] Port 80 in use by "Unable to open process" with PID 4!
09:18:45 [Apache] Apache WILL NOT start without the configured ports free!
09:18:45 [Apache] You need to uninstall/disable/reconfigure the blocking application
09:18:45 [Apache] or reconfigure Apache and the Control Panel to listen on a different port
09:18:45 [Apache] Attempting to start Apache app...
09:18:46 [Apache] Status change detected: running
09:38:24 [mysql] Attempting to start MySQL app...
09:38:28 [mysql] Status change detected: running

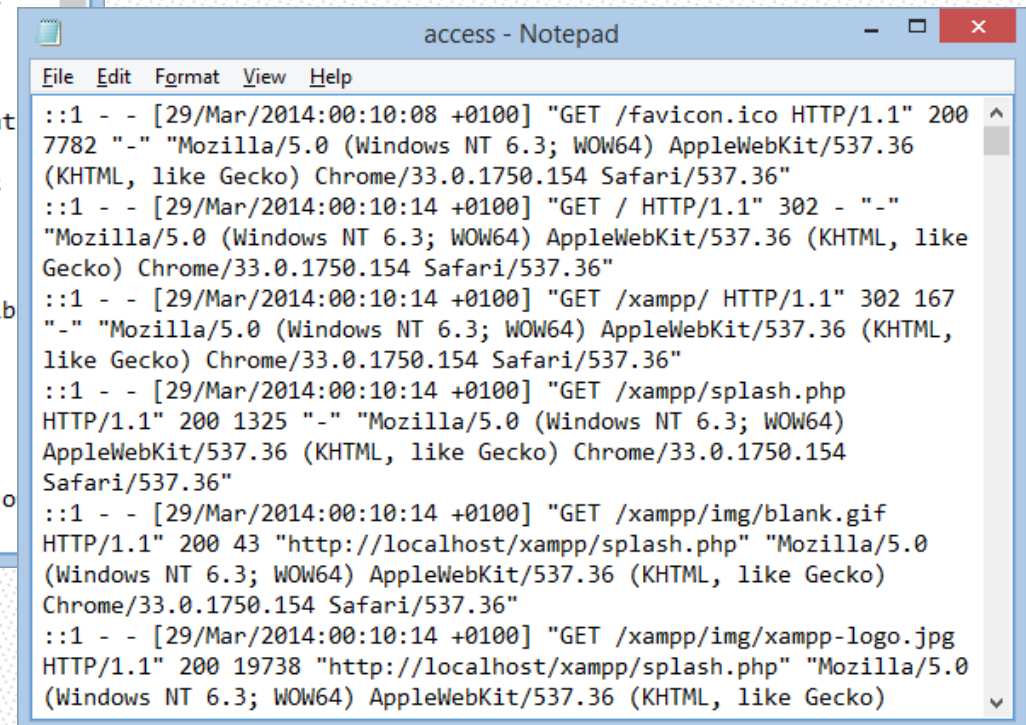
Logs

Ato të Apache, në **C:\xampp\apache\logs**

Ato të MySQL, në **C:\xampp\mysql\data**



```
mysql_error - Notepad
File Edit Format View Help
2014-03-29 00:09:41 4836 [Note] Plugin 'FEDERATED' is disabled.
2014-03-29 00:09:41 178 InnoDB: Warning: Using
innodb_additional_mem_pool_size is DEPRECATED. This option may be
removed in future releases, together with the option
innodb_use_sys_malloc and with the InnoDB's internal memory
allocator.
2014-03-29 00:09:41 4836 [Note] InnoDB: Using atomics to ref count
buffer pool pages
2014-03-29 00:09:41 4836 [Note] InnoDB: The InnoDB memory heap is
disabled
2014-03-29 00:09:41 4836 [Note] InnoDB: Mutexes and rw_locks use
Windows interlocked functions
2014-03-29 00:09:41 4836 [Note] InnoDB: Compressed tables use zlib
1.2.3
2014-03-29 00:09:41 4836 [Note] InnoDB: Not using CPU crc32
instructions
2014-03-29 00:09:41 4836 [Note] InnoDB: Initializing buffer pool,
size = 16.0M
2014-03-29 00:09:41 4836 [Note] InnoDB: Completed initialization o
buffer pool
```

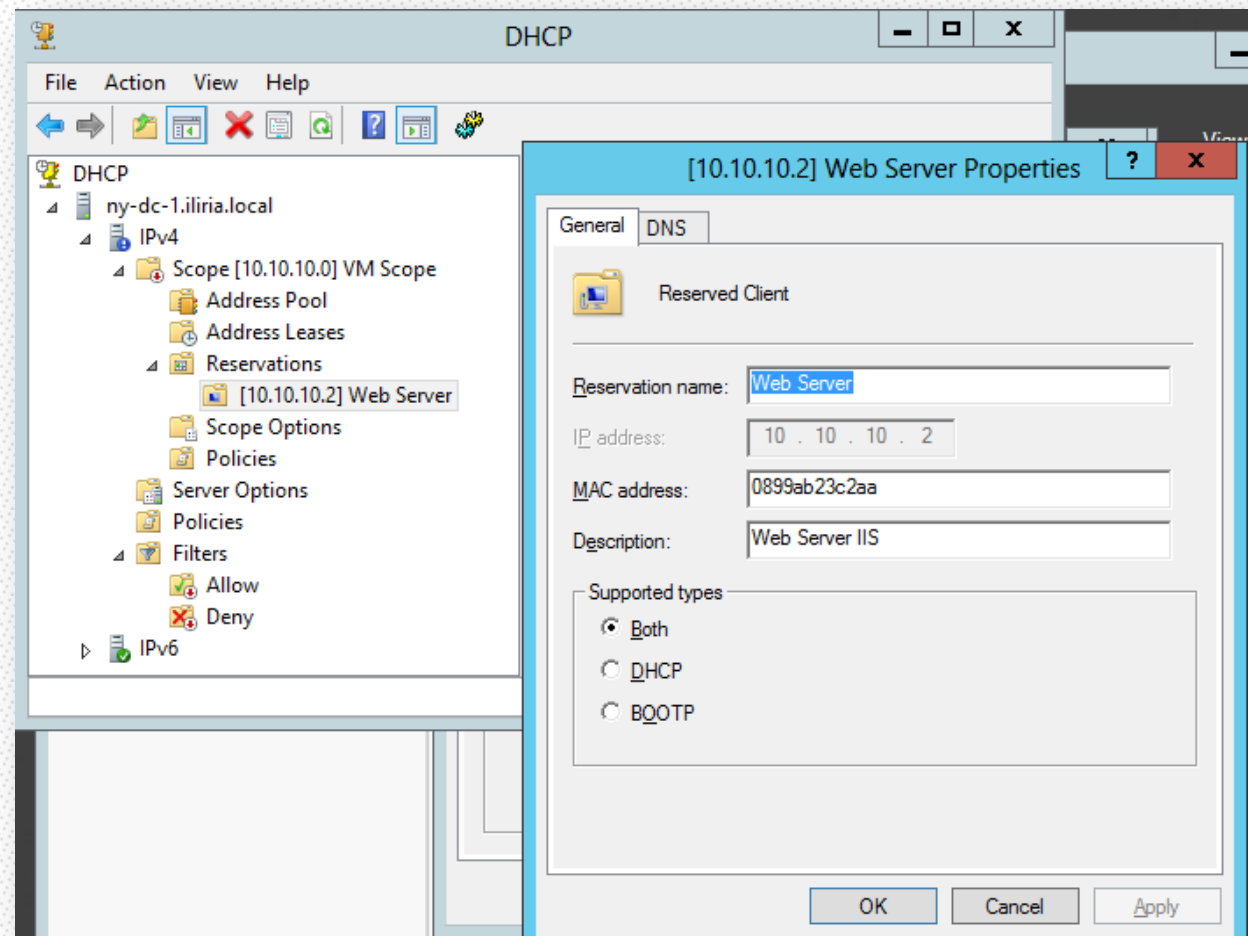


```
access - Notepad
File Edit Format View Help
::1 - - [29/Mar/2014:00:10:08 +0100] "GET /favicon.ico HTTP/1.1" 200
7782 "-" "Mozilla/5.0 (Windows NT 6.3; WOW64) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/33.0.1750.154 Safari/537.36"
::1 - - [29/Mar/2014:00:10:14 +0100] "GET / HTTP/1.1" 302 - "-"
"Mozilla/5.0 (Windows NT 6.3; WOW64) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/33.0.1750.154 Safari/537.36"
::1 - - [29/Mar/2014:00:10:14 +0100] "GET /xampp/ HTTP/1.1" 302 167
-" "Mozilla/5.0 (Windows NT 6.3; WOW64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/33.0.1750.154 Safari/537.36"
::1 - - [29/Mar/2014:00:10:14 +0100] "GET /xampp/splash.php
HTTP/1.1" 200 1325 "-" "Mozilla/5.0 (Windows NT 6.3; WOW64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/33.0.1750.154
Safari/537.36"
::1 - - [29/Mar/2014:00:10:14 +0100] "GET /xampp/img/blank.gif
HTTP/1.1" 200 43 "http://localhost/xampp/splash.php" "Mozilla/5.0
(Windows NT 6.3; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/33.0.1750.154 Safari/537.36"
::1 - - [29/Mar/2014:00:10:14 +0100] "GET /xampp/img/xampp-logo.jpg
HTTP/1.1" 200 19738 "http://localhost/xampp/splash.php" "Mozilla/5.0
(Windows NT 6.3; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
```


Adresimi

Nuk duhet të vendoset IP automatike. Pse?

- Nese perdoret DHCP – rezervo IP per Web server
- Manualisht



Detyra shtëpie

D3: Krijoni trafik në XAMPP dhe nga aplikacioni Webalizer më dërgoni një raport në PDF me rezultatet e monitorimit dhe statistikave. Poashtu me dërgoni një kopje të logut (access) në IIS dhe një nga apache

D4: Konfiguroni një IP adresë statike në server dhe më dërgoni pamjen e “TCP/IP settings” si dhe adresimin me IP në Internet Browser.

Referenca

- AWStats

<http://awstats.sourceforge.net>

- Apache Log Viewer

<http://www.apacheviewer.com/>

- Statistika

<http://news.netcraft.com/archives/2014/02/03/february-2014-web-server-survey.html>

- XAMPP **<http://www.apachefriends.org/download.html>** (windows)
- LAMPP **<https://www.youtube.com/watch?v=4anGqaORJXg>** (linux)
- WAMP **<http://www.wampserver.com/en/>**
- Eclipse **<http://www.eclipse.org/pdt/downloads/>**