

Welcome to nginx!

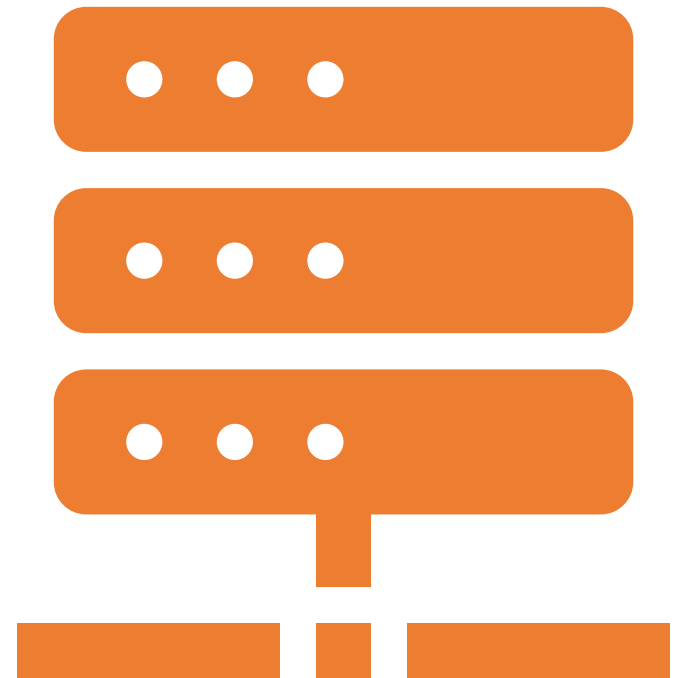
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

Pál Balázs

Az NGINX web szerver



Mi az a web
szerver?

Hardver?
Szoftver?

Mi az a web szerver?

Hardver?
Szoftver?

WWW kliensek
kérdéseit
teljesíti^[1]

Mi az a web szerver?

Hardver?
Szoftver?

WWW kliensek
kérdéseit
teljesíti^[1]

DE:

A Web működése
ennél árnyaltabb

TCP/IP?
IETF?
HTML?
DNS?
SMTP?
SSL?

...

Transmission
Control
Protocol/Internet
Protocol^[2]

- Datalink: Node-ok közötti kapocs (Ethernet, ARP)
- Internet: Node-ok hálózata közötti (IP, ICMP)
- Transport: Kommunikáció (TCP és UDP)
- Software: Hostok közti adatok (HTTP, FTP, POP3, SMTP, és SNMP)

TCP/IP?
IETF?
HTML?
DNS?
SMTP?
SSL?

...

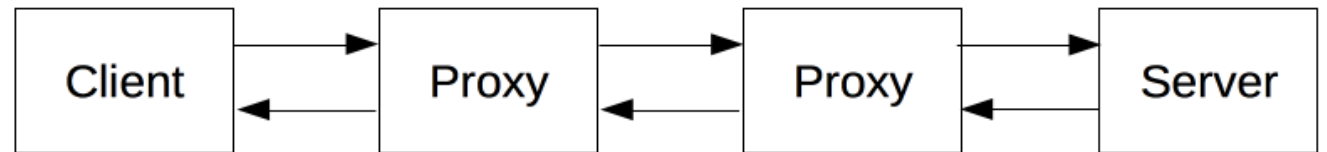
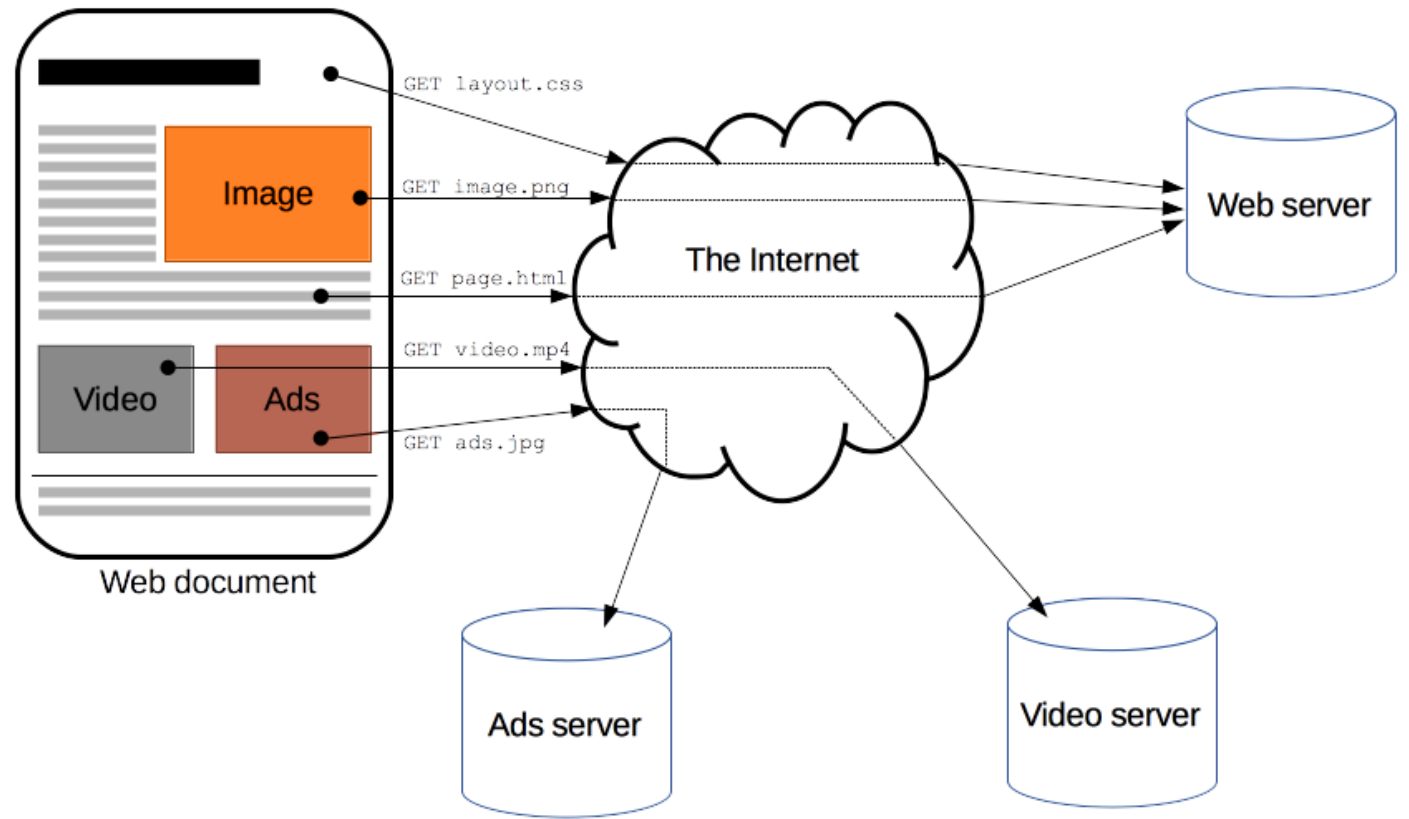
Transmission
Control
Protocol/Internet
Protocol^[2]

- Datalink: Node-ok közötti kapocs (Ethernet, ARP)
- Internet: Node-ok hálózata közötti (IP, ICMP)
- Transport: Kommunikáció (TCP és UDP)
- Software: Hostok közti adatok (HTTP, FTP, POP3, SMTP, és SNMP)

HyperText
Transfer
Protocol^[3]

- **Transfer Protocol**: Két eszköz közötti adatküldés standardizált, kölcsönösen elfogadott formátuma
- **HyperText**: Ez maga a formátum neve (Hyperlinks)
- **HyperText Markup Language**^[4]
- **HTTPS**: **Secure Sockets Layer/Transport Layer Security**

HyperText Transfer Protocol



HyperText Transfer Protocol

- HTTP parancsok
- Proxy-k az útban!
 - Gateway/Proxy server
 - HTTP/Web cache
 - Auth., Filter
 - Mail proxy
 - Egyéb (modem, router, stb.)
 - Stb...
- Ezekhez különböző szerverek és szoftverek

NGINX

- Egyszerre használható majdnem minden említettre^[5]
 - Web caching (C10k probléma)
 - Reverse proxy
 - SMTP
 - Load balancing
- Igor Sysoev, 2004: Unix
- Szinte monopólium^[6]
 - Top 1., 2019. 03.: Apache (44%)
 - Top 2., 2019. 03.: NGINX (41.4%)
 - Top 3., 2019. 03.: Microsoft-IIS (8.8%)
- ELTE^[7]
 - Linux szerverek: NGINX
 - Windows szerverek: IIS

Források

- [1]: NGINX. *What Is a Web Server?*. Mar, 2015.
<https://www.nginx.com/resources/glossary/web-server/> [Online; accessed March 3, 2019]
- [2]: Lifewire. *Understanding Transmission Control Protocol/Internet Protocol (TCP/IP)*. Dec, 2018.
<https://www.lifewire.com/transmission-control-protocol-and-internet-protocol-816255> [Online; accessed March 3, 2019]
- [3]: MDN web docs. *An overview of HTTP*. Feb, 2019.
<https://developer.mozilla.org/en-US/docs/Web/HTTP/Overview> [Online; accessed March 3, 2019]
- [4]: Vangie Beal. *HTML - HyperText Markup Language*. Webopedia. Feb, 2001. <https://www.webopedia.com/TERM/H/HTML.html> [Online; accessed March 3, 2019]
- [5]: NGINX. *Welcome to NGINX!*. Mar, 2009.
<https://www.nginx.com/resources/wiki/> [Online; accessed March 3, 2019]
- [6]: W3Techs. *Usage of web servers for websites*.
https://w3techs.com/technologies/overview/web_server/all [Online; accessed March 4, 2019]
- [7]: Dobos László. *ELTE - Felhasználói tudnivalók*
<http://www.vo.elte.hu/> [Online; accessed March 4, 2019]

Nem indexelt források

- Tom Scott. *YouTube Channel*. [Online].
<https://www.youtube.com/user/enyay>
- Computerphile. *YouTube Channel*. [Online].
<https://www.youtube.com/channel/Computerphile>
- Wikipedia. [Online; accessed on March 3, 2019].
 - *Internet protocol suite*.
https://en.wikipedia.org/wiki/Internet_protocol_suite
 - *Web server*. https://en.wikipedia.org/wiki/Web_server
 - *Web cache*. https://en.wikipedia.org/wiki/Web_cache
 - *Nginx*. <https://en.wikipedia.org/wiki/Nginx>
 - *Apache HTTP Server*.
https://en.wikipedia.org/wiki/Apache_HTTP_Server
 - *Load balancing*.
[https://en.wikipedia.org/wiki/Load_balancing_\(computing\)](https://en.wikipedia.org/wiki/Load_balancing_(computing))
 - *Reverse proxy*. https://en.wikipedia.org/wiki/Reverse_proxy
 - *C10k problem*. https://en.wikipedia.org/wiki/C10k_problem
- Webopedia. [Online; accessed on March 3, 2019].
 - *Protocol*. <https://www.webopedia.com/TERM/P/protocol.html>
 - *TLS – Transport Layer Security*.
<https://www.webopedia.com/TERM/T/TLS.html>
 - *SSL - Secure Sockets Layer*.
<https://www.webopedia.com/TERM/S/SSL.html>

Köszönöm a figyelmet!

If you see this page, the presentation on the topic „nginx web server” is successfully finished. Further questions are welcomed.

For online documentation and support please refer to github.com/masterdesky.
Commercial support is not available.

Thank you for your attention.