

THE NETWORK BRIDGE



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WWW.EUSS.EDU

01 WHAT IS A "BRIDGE"

a network device that connects a local area network (LAN) to an another



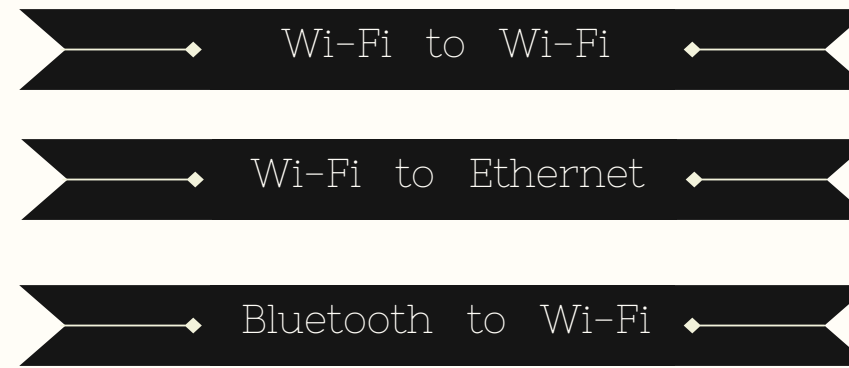
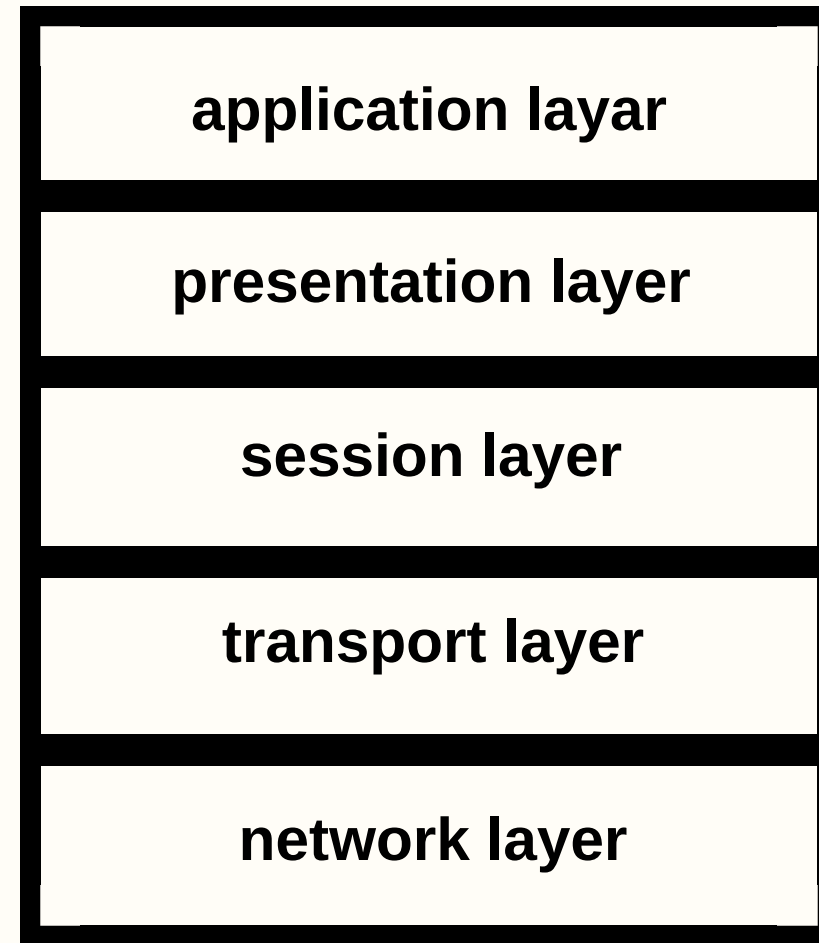
02

WHERE
IS
PLACED

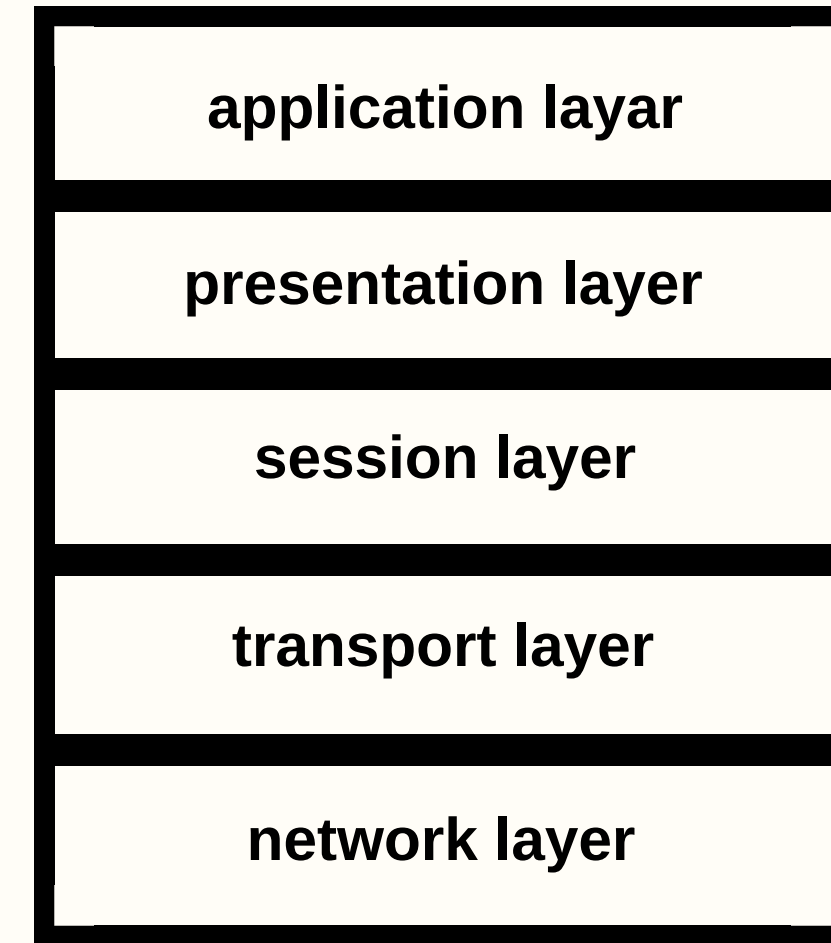
ISO/OSI MODEL



LAN 1



LAN 2



BRIDGE

DATA LINK LAYER

physical layer

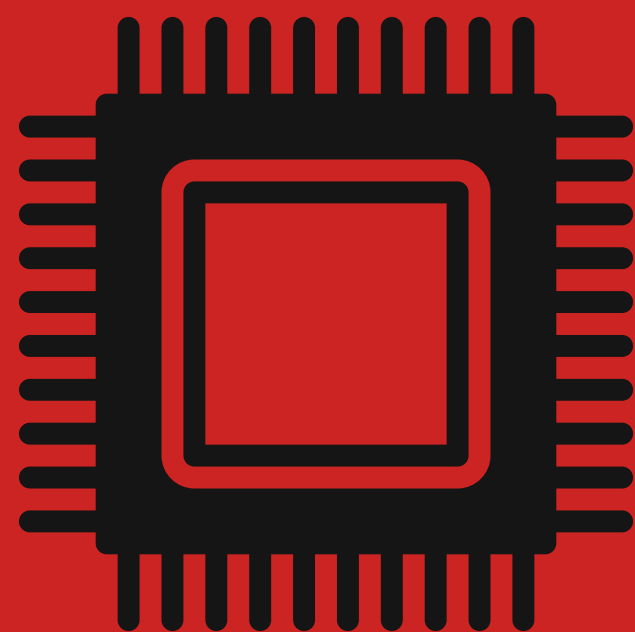
DATA LINK LAYER

physical layer

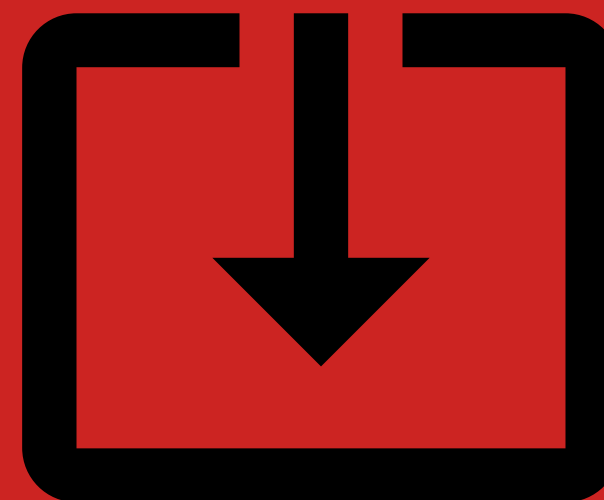


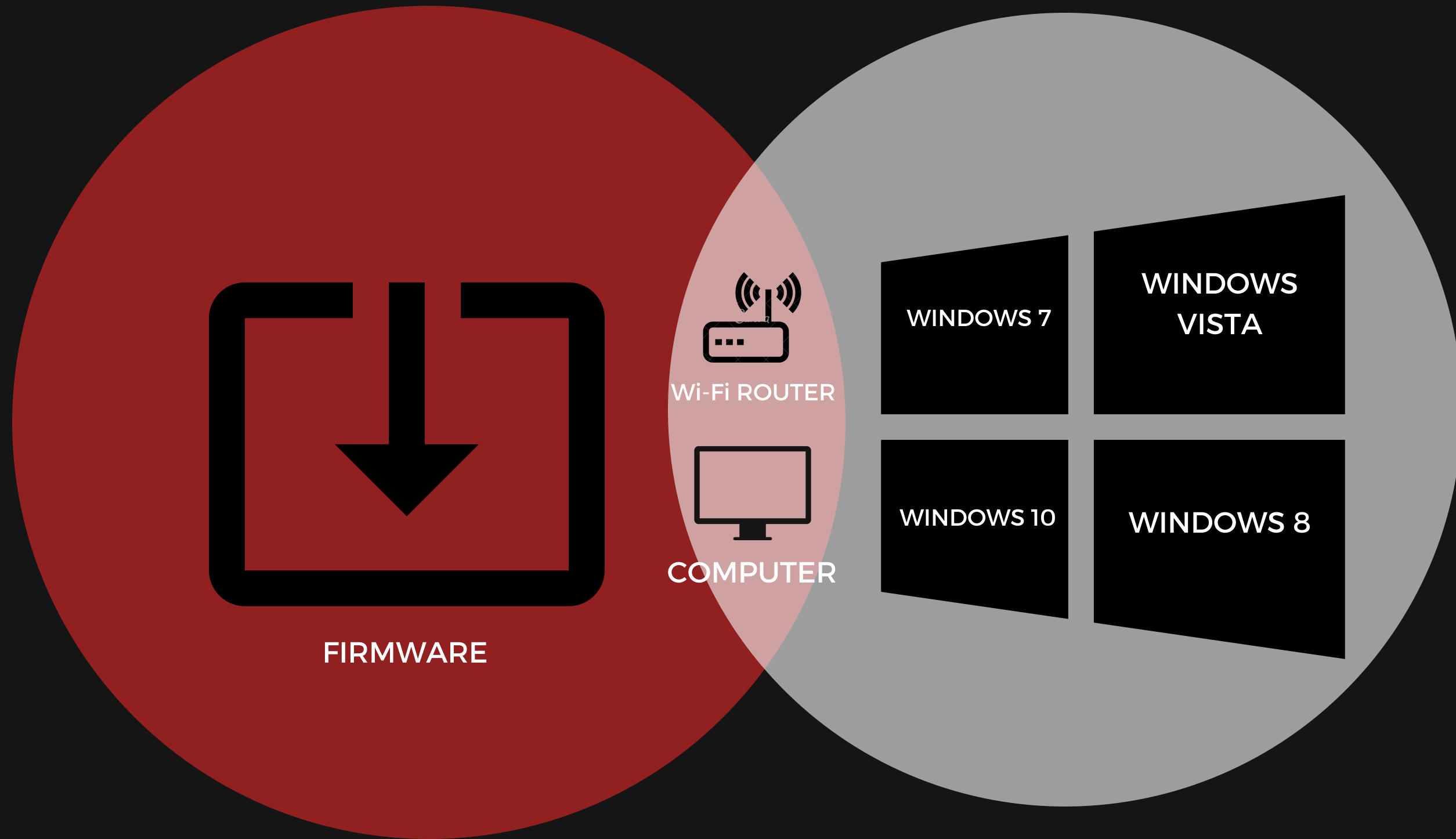
03 HOW TO ENABLE IT

HARDWARE



SOFTWARE





HARDWARE **SOFTWARE**

HARDWARE



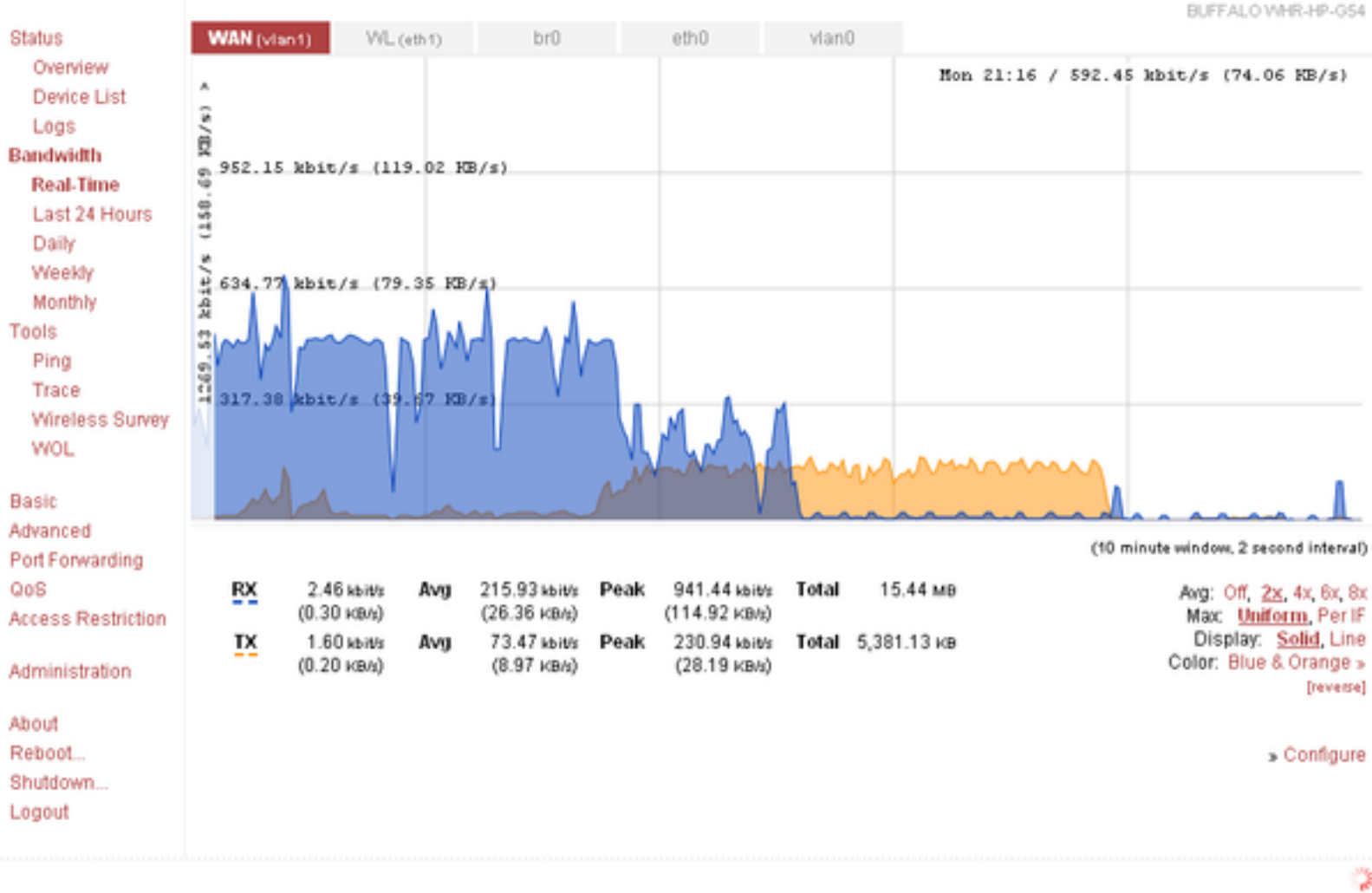
FIRMWARE

a program that change Wi-Fi router functionalities



Tomato

Version 1.19



OpenWrt

Wireless Freedom

OpenWrt Firmware
Kamikaze (r14417)
Load: 0.42 0.24 0.09
Hostname: Remora

Overview Status **System** Services Network Changes: 0 **Administration** Essentials

System

Software

- [Edit package lists and installation targets](#)
- [Update package lists](#)

Download and install package: ☒ OK

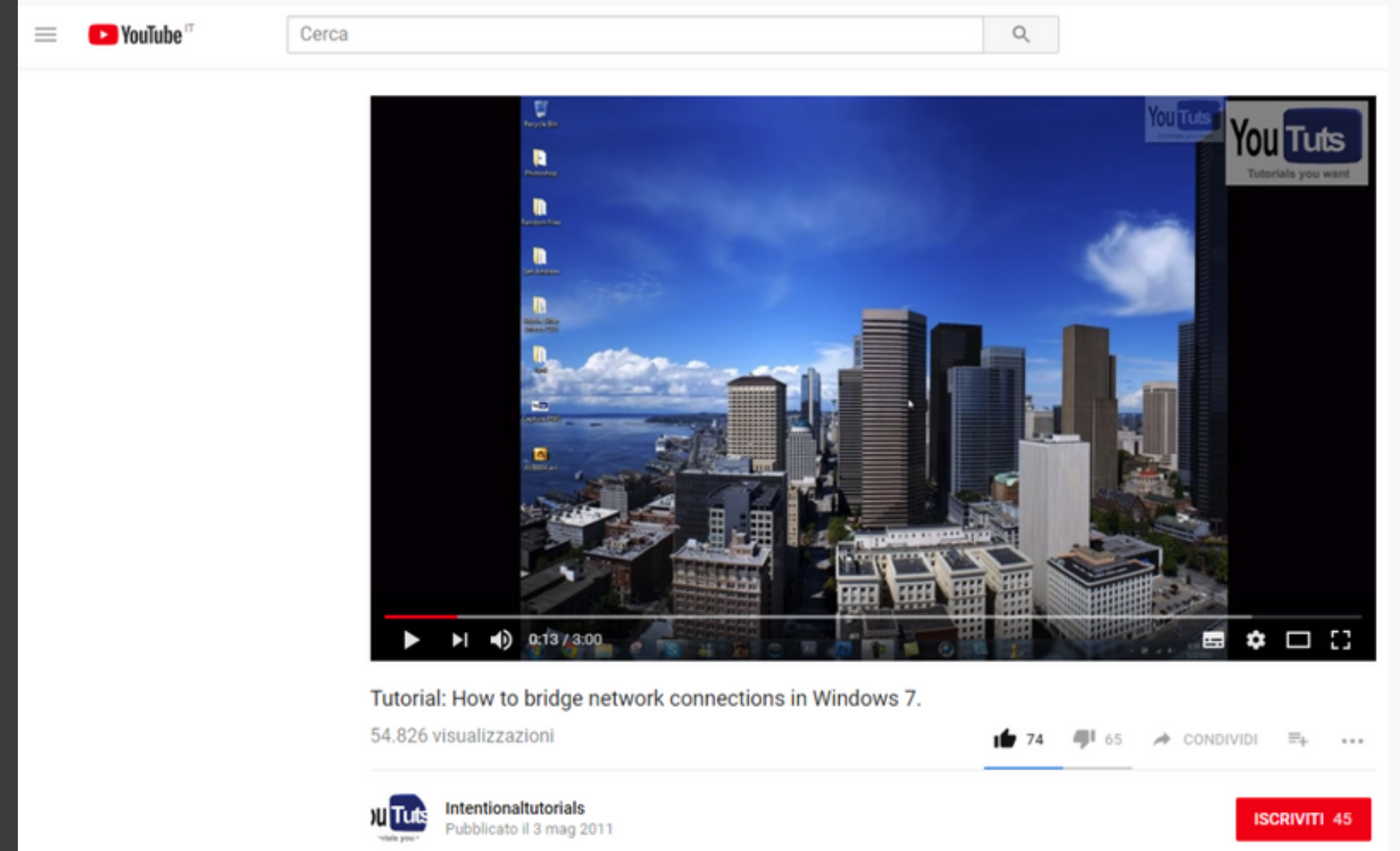
Filter:

Package name	Version	Install	Delete	Description
base-files-brcm-2.4	14-r14511	installed	<input type="checkbox"/>	
bridge	1.0.6-1	installed	<input type="checkbox"/>	
busybox	1.11.2-2	installed	<input type="checkbox"/>	
ddns-scripts	1.0.0-1	installed	<input type="checkbox"/>	
dnsmasq	2.46-1	installed	<input type="checkbox"/>	
dropbear	0.51-2	installed	<input type="checkbox"/>	
firewall	1-1	installed	<input type="checkbox"/>	
iptables	1.3.8-4	installed	<input type="checkbox"/>	

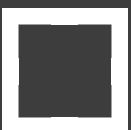
SOFTWARE

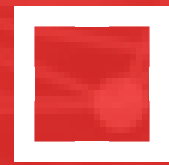
WINDOWS

Operating System tools



<https://www.youtube.com/watch?v=wiDLjGHVmiw&t=17s>





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THANK YOU

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