

Netdev

This book includes static information about company details, like addresses and what people at netdev do.

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About netdev

About netdev

Welcome

NETDEV



We are engineers

Currently working on;

- Hyperscale datacenters
- Large scale security chains
- Zero Trust user pipelines
- Complex cloud and local network operations
- Large scale storage solutions
- ETL and workflow operations using airflow & nifi

We are creators

Developing ;

- custom integration solutions for security & network equipment
- automation solutions for computer networks
- Throughput testing for large platforms and topologies

We are trainers

training engineers;

- to operate and maintain the security layers on computer networks
 - to Automate and monitor complex topologies
-

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Tag cloud

#opennetworking #whiteboxnetworks #ssli #zerotrust #securitychain #decryption #reencryption

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Current projects

Ongoing projects

Bgp Link Manager

[Link to repo](#)

```
bgp-link-manager
BGP Link Manager v0.1.0 [Arvato] Connected 09:13:09

1 Dashboard | 2 Peers | 3 Routes | 4 Config | 5 BGP Log | 6 Routers | 7 SSH Log

BGP Peers: MPLS-RTR (3 peers)
Neighbor Remote AS Type State Uptime Pfx/Rx Pfx/Tx RM-In RM-Out Description
▶ 172.16.11.2 65011 eBGP Established 00:00:57 4 8 - -
172.16.21.2 65021 eBGP Established 00:01:01 3 8 - -
172.16.31.2 65031 eBGP Established 00:00:55 1 8 - -

Peer Detail: 172.16.11.2
Neighbor 172.16.11.2 Session eBGP (eBGP)
State Established Uptime 00:00:57
Msg Rcvd 13 Msg Sent 7
Hold Time 180s Keepalive 60s Auth No
NH-Self No RR-Client No
RM-In - RM-Out -
Upd-Src - Communities
Resets 0 Notifs Sent 0 Rcvd 0
Last Reset -
BFD - MTU probe - (m to probe)
-- State History
06:12:10 Connect → Established

0 received routes for 172.16.21.2 q:Quit Tab:Switch +/jk:Navigate r/FS:Refresh p:Projects 1-7:Jump tab Enter:Peer routes m:MTU probe n:New neighb
```

```
bgp-link-manager
BGP Link Manager v0.1.0 [Arvato] Connected 09:13:49

1 Dashboard | 2 Peers | 3 Routes | 4 Config | 5 BGP Log | 6 Routers | 7 SSH Log

BGP Events (10 entries)
bgp-link-manager started - logs: /Users/rammses/Library/Application Support/bgp-link-manager/logs
[09:12:10] [MPLS-RTR] Peer 172.16.11.2 ▲ UP: Connect → Established
[09:12:10] [MPLS-RTR] Peer 172.16.21.2 ▲ UP: Connect → Established
[09:12:10] [MPLS-RTR] Peer 172.16.31.2 ▲ UP: Connect → Established
[09:12:10] [INTERNET-RTR] Peer 10.10.20.2 →: Connect → Active
[09:12:11] [DC-B-FW-1] Peer 172.16.21.1 ▲ UP: Idle → Established
[09:12:11] [DC-A-FW-1] Peer 10.254.34.100 ▲ UP: Idle → Established
[09:12:11] [DC-A-FW-1] Peer 172.16.11.1 ▲ UP: Idle → Established
[09:12:37] [DC-A-LB-A10-1] Peer 10.254.34.1 ▲ UP: c → Established
▶ [09:13:01] [INTERNET-RTR] Peer 10.10.30.2 →: Connect → Active

0 received routes for 172.16.21.2 q:Quit Tab:Switch ↑/↓:Navigate r/F5:Refresh p:Projects 1-7:Jump tab /:Filter ?:Help
```

- Live BGP peer state for every router on a single screen
 - Neighbor wizard — create, edit, delete BGP neighbors with vendor-specific CLI generation
 - Route-map, prefix-list, and community-list editors
 - Full BGP RIB navigation without leaving the TUI
 - Config history with rollback support
 - Peer state alerting and transition timeline
 - Ping monitor with RTT, packet loss, and sparkline
 - Per-tab search/filter across all views
 - Encrypted credential storage (AES-256-GCM, Argon2id key derivation)
 - SSH via system OpenSSH with ControlMaster multiplexing
- Supported routers: Cisco IOS / IOS-XE, VyOS 1.5 (FRRouting), Citrix VPX, pfSense, FortiGate (with VDOM), A10 Networks ADC**

Taskvote

- **Multi-Workspace Support:** Organize teams and projects into separate workspaces with granular role-based access control (OWNER, ADMIN, MEMBER, VIEWER)
- **Task Management:** Create, assign, and track tasks with multiple statuses (BACKLOG, TODO, IN_PROGRESS, IN_REVIEW, DONE, BLOCKED, ARCHIVED)
- **Voting System:** Community-driven prioritization through task and comment voting
- **Recurring Tasks:** Automate repetitive tasks with flexible scheduling
- **Task Dependencies:** Define task relationships and track blocking issues
- **Categories & Tags:** Organize tasks with custom categories and tagging
- **Comments & Collaboration:** Rich discussion threads on tasks with voting

- **File Attachments:** Upload and attach files to tasks
- **Activity Feed:** Comprehensive event logging and audit trails
- **Notifications:** Real-time notifications for relevant workspace events
- **Webhooks:** Integrate with external systems via configurable webhooks
- **Authentication:**
 - NextAuth with multiple OAuth providers
 - LDAP directory integration
 - Email verification
 - Password reset & recovery flows
- **Admin Dashboard:** User and system management tools
- **Customizable Themes:** Multiple color schemes with user preferences
- **API Documentation:** Built-in Swagger UI for REST API exploration

Finished Projects

- 02/26 Centralized macsec for multisite mikrotik installations
- 12/25 Contracto Centralized Contract management with agentic features
- 10/25 Simple E-attorney document ingestion and AI helper
- 09/24 Providing network & automation services for a lead cloud operator
- 08/24 Building Technical Due Dilligence report for a Private company
- 08/24 Building a security platform for a multiclient workplace sharing company
- 07/24 Design and implementation of a multisite Radio backhaul farm network
- 08/24 Building a Openstack cloud operation for a telecom operator at Ethiopia
- 08/24 Migrating Vmware platform to proxmox for an e-commerce company
- 07/24 Managed network service aggrement with a payment company
- 08/23 Opensource Siem installation and maintenance for one of the top5 software devevelopment companies.
- 08/23 L2 SSL Decryption and Security chain deployment on a bank
- 03/23 Building secure office network for a gaming software company
- 02/23 Fabric monitoring using BGP/BMP messages on of the largest retail platforms in Turkey
- 02/23 Building secure office network for an aviation company
- 01/23 Deployment of new Infrastructure to a large online-retail platform
- 01/23 Deployment of large Datacenter network in San Francisco and Santa Cruz for a multinational training platform with the help of open networking and Microsoft's Sonic.
- 09/22 Traffic distribution using a10 networks devices on a fintech
- 09/22 IPFIX log generation using mirrors from a Evpn/Vxlan dc network, teamed with ntop.
- 09/22 IPSEC vpn roadwarrior deployment using sophos and microsoft 2fa for 200 users
- 08/22 L3 security chain with forward proxy on a bank
- 07/22 A 3 point mesh failure scenario using AWS direct connect and ipsec tunnels with the help of bgp
- 07/22 POC for a controlled network that creaetes controlled problems to tune Webrtc protocol
- 06/22 Traffic distribution using a10 networks on a fintech
- 05/22 Config sync from F5 to A10 networks devices using python (mirroring SSL config from f5 to a10)
- 05/22 L2 inbound ssl solution for a ministry in Turkey

About netdev

Platforms

Live

none

Cooking

ndlabs.com.tr

this is a candidate Lab as a service platform which provides pre planned and installed case simulations that produce golden ticket and candidate scoring solutions for HR departments.

sslhelper.com.tr

An SSLvpn connection analyzer, creates a score system for sslvpn connections, providers, and ISP's

wiser.com.tr

Managed Service network operation platform, with monitoring, alerting and oncall system.

Join us !

We are looking for;

1. Sr. Rust socket developers

Required knowledge on rust libraries

multiprocessing multithreading pcap::Device utoipa actix rocket tokio

2. Sr. Python socket developers

Required knowledge on python libraries

Multiprocessing Multithreading Twisted Asyncio flask sockets requests restx

3. Sr. Frontend developers with javascript knowledge

Required knowledge on python libraries

Python/flask Javascript html css

4. Jr. Rust developers

Nice to have skills

It is nice to have knowledge about, any library listed on #1 Sr. Rust developer, OOP, Functions, basic rust training

5. Jr. Python developers

Nice to have skills

It is nice to have knowledge about, any library listed on #2 Sr. Python developer. basic python training, OOP, Functions, Async programming

6. Sr. Network engineers with python scripting abilities

Required skills

CCNP Level networking knowledge, Layer 3 protocols, BGP, OSPF, Layer2 protocols, stp, rstp. Cisco or Juniper cli affinity. SSL, TLS, fortinet NSE4 basic python training, OOP, Functions, Async programming

7. Jr. Network engineers with python scripting abilities

nice to have skills

ccna level networking knowledge, ip networks, subnetting, supernetting, affinity on cisco cli basic python training, OOP, Functions, Async programming

Please send your resume with prefix as subject to [operations](#)

About netdev

Contact Us

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e-mail : [Send an email to operations team](#)

helpdesk : [Goto helpdesk website](#) | [Send a mail to helpdesk](#)



Blogs

Blogs

Mesut Bayrak

Personal BLOG

Failed successfully

17.02.26

- L-carnitine helped
- Couldn't sustain daily 2 hour commute
- Couldn't stop eating unhealthy

110 KG today,

Changing habits, and starting a new health program with the help of chatgpt and my bike. I will try to commute to work everyday using bike it'll cost me 2 hours daily. Also, i will try to get help of carnitine and l-glutamine too.

🕒 Daily Routine Example

Time	Routine	Purpose
07:00	500 mL water + black coffee or green tea + 6–7 g mix	Hydration, energy, ATP support
07:30	Breakfast: eggs, oats, or yogurt + fruit	Pre-ride energy & recovery fuel
08:00–09:00	🚲 Ride to work (20 km)	Aerobic endurance
12:00–13:00	Lunch: chicken/fish + salad + olive oil + some carbs (rice, potatoes, etc.)	Refuel glycogen moderately
17:00–18:00	🚲 Ride home (20 km)	Second cardio session
18:15–18:30	6–7 g mix + protein shake or high-protein dinner	Post-exercise recovery
22:00	Herbal tea or casein protein (optional)	Overnight repair & gut support

will be sharing results i one month

Beautiful dance party and dj set

[23.11.22]



I stumbled upon these guys while listening the youtube music in radio mode, enjoyed the whole one and a half hour. Best with a good stereo system.

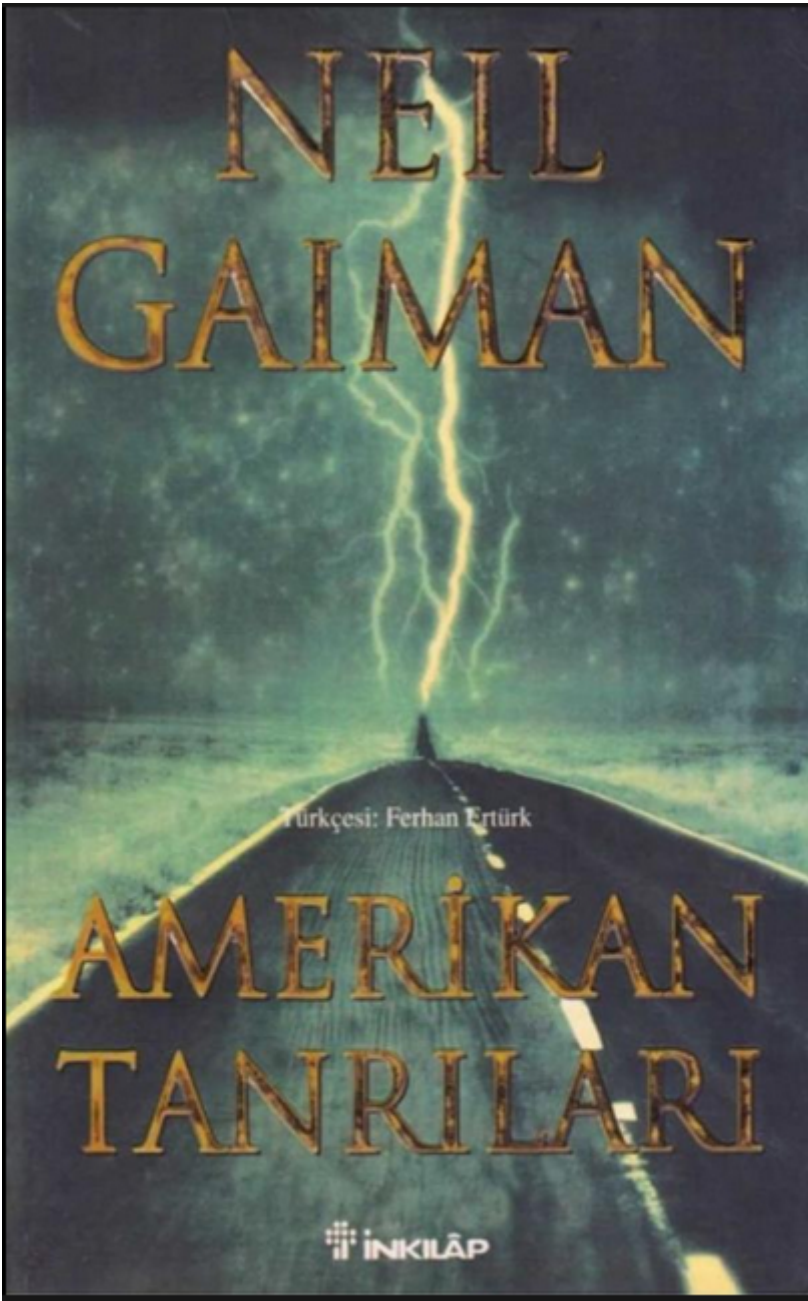
They happen to have 3 of their singles in Europes top10 dance music list of 2022, best one is dopamine i recon.

I will definitely look for concerts near Turkey.

[Have a listen](#)

The american gods

[16.11.22]



An interesting find, this book started so maniacally i couldn't even get to 20th page after giving it a lot of credit it started to grow on me around page 60. I definitely recommend it, if you happen to like fantasy and sci-fi combined. Have a good read ! And i had a blast when i heard [secrets of the american gods](#) from the famous Blind Guardian check that one too.

Going back to basics, welcome x270

[16.11.22]

I just bought a x270 just because i like the design and durability of the devices. I just installed Ubuntu on it

```
mesut@mesut-ThinkPad-X270-W10DG:~$ neofetch
      .-/+oossssoo+/-.
      `:+ssssssssssssssss+`
      -+ssssssssssssssssyyssss+-
      .ossssssssssssssssdMMMMyssso.
      /ssssssssshdmmNNmmyNMMMMhsssss/
      +ssssssshmydMMMMMMNdddyssssss+
      /ssssssshNMMMyhhyyyhmNMMMNhssssss/
      .sssssssdMMMNhssssssshNMMMdssssss.
      +ssshhhyNMMNysssssssssyNMMMyssssss+
      ossyNMMMNyMMhssssssssshmmhssssso
      ossyNMMMNyMMhssssssssshmmhssssso
      +ssshhhyNMMNysssssssssyNMMMyssssss+
      .sssssssdMMMNhssssssshNMMMdssssss.
      /ssssssshNMMMyhhyyyhdNMMMNhssssss/
      +sssssssdmydMMMMMMNdddyssssss+
      /ssssssssshdmmNNNmyNMMMMhsssss/
      .ossssssssssssssdMMMMyssso.
      -+ssssssssssssssyyssss+-
      `:+ssssssssssssss+`
      .-/+oossssoo+/-.

mesut@mesut-ThinkPad-X270-W10DG
-----
OS: Ubuntu 22.04.1 LTS x86_64
Host: 20K5S13R04 ThinkPad X270 W10DG
Kernel: 5.15.0-50-generic
Uptime: 1 hour, 50 mins
Packages: 1806 (dpkg), 11 (snap)
Shell: bash 5.1.16
Resolution: 1920x1080
DE: GNOME 42.4
WM: Mutter
WM Theme: Adwaita
Theme: Yaru [GTK2/3]
Icons: Yaru [GTK2/3]
Terminal: x-terminal-emul
CPU: Intel i5-6300U (4) @ 3.000GHz
GPU: Intel Skylake GT2 [HD Graphics]
Memory: 4857MiB / 7693MiB

mesut@mesut-ThinkPad-X270-W10DG:~$
```

I know

- The wifi is 2.4 ghz only
- battery is probably dead
- ssd drive might not have many minutes left

But it's beautiful don't you think ?

