

# A Survey of Ethernet LAN Security

IEEE Communications Surveys and Tutorials  
15, 1477-1491

DOI: [10.1109/surv.2012.121112.00190](https://doi.org/10.1109/surv.2012.121112.00190)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Spook in Your Network: Attacking an SDN with a Compromised OpenFlow Switch. Lecture Notes in Computer Science, 2014, , 229-244.	1.0	61
3	A hardware accelerator for the IEEE 802.1X-2010 key hierarchy in automotive applications. , 2015, , .		2
4	A comprehensive survey on Carrier Ethernet Congestion Management mechanism. Journal of Network and Computer Applications, 2015, 47, 107-130.	5.8	14
5	Aspects of Voice Communications Fraud. Communications in Computer and Information Science, 2016, , 69-81.	0.4	0
6	Software defined networking as a mitigation strategy for data communications in power systems critical infrastructure. , 2016, , .		8
7	Designing a Secure Network Interface By Thwarting Mac Spoofing Attacks. , 2016, , .		1
8	Invited - Cooperation or competition?. , 2016, , .		16
9	In-Vehicle Networks Outlook: Achievements and Challenges. IEEE Communications Surveys and Tutorials, 2016, 18, 1552-1571.	24.8	102
10	A Survey on the Security of Stateful SDN Data Planes. IEEE Communications Surveys and Tutorials, 2017, 19, 1701-1725.	24.8	133
11	Distributed responder ARP: Using SDN to re-engineer ARP from within the network. , 2017, , .		2
12	WiFi Network Access Control for IoT Connectivity with Software Defined Networking. , 2017, , .		5
13	Detection and mitigation of ARP storm attacks using software defined networks. , 2017, , .		2
14	State estimation for a TCP/IP network using terminal sliding-mode methodology. , 2017, , .		1
15	Server Location Verification (SLV) and Server Location Pinning. ACM Transactions on Privacy and Security, 2018, 21, 1-26.	2.2	12
16	MACsec-Based Security for Automotive Ethernet Backbones. Journal of Circuits, Systems and Computers, 2018, 27, 1850082.	1.0	13
17	The Defense Against ARP Spoofing Attack Using Semi-Static ARP Cache Table. , 2018, , .		13
18	An SDN-Based Approach to Ward Off LAN Attacks. Journal of Computer Networks and Communications, 2018, 2018, 1-12.	1.2	8
19	A Survey of Protocol-Level Challenges and Solutions for Distributed Energy Resource Cyber-Physical Security. Energies, 2018, 11, 2360.	1.6	37

#	ARTICLE	IF	CITATIONS
20	Comparative Analysis of Control Plane Security of SDN and Conventional Networks. IEEE Communications Surveys and Tutorials, 2018, 20, 3542-3559.	24.8	69
21	MACsec Extension over Software-Defined Networks for in-Vehicle Secure Communication. , 2018, , .		6
22	Security Analysis of Radar Systems. , 2019, , .		11
23	Toward a Hardware Man-in-the-Middle Attack on PCIe Bus for Smart Data Replay. , 2019, , .		5
24	Secure distributed data geolocation scheme against location forgery attack. Journal of Information Security and Applications, 2019, 47, 50-58.	1.8	5
25	ANCHOR. ACM Transactions on Privacy and Security, 2019, 22, 1-36.	2.2	8
26	Physical Layer Firewall Design using Co-Channel Underlay-Based Watermark Authentication. , 2019, , .		4
27	An Open Source Approach to Automating Surveillance and Compliance of Automatic Test Systems. , 2019, , .		0
28	Automatic Optimization of the VLAN Partitioning in Automotive Communication Networks. ACM Transactions on Design Automation of Electronic Systems, 2019, 24, 1-23.	1.9	3
29	Cybersecurity challenges in vehicular communications. Vehicular Communications, 2020, 23, 100214.	2.7	127
30	Toward a hardware man-in-the-middle attack on PCIe bus. Microprocessors and Microsystems, 2020, 77, 103198.	1.8	10
31	Probabilistic Hardware Trojan Attacks on Multiple Layers of Reconfigurable Network Infrastructure. Journal of Hardware and Systems Security, 2020, 4, 343-360.	0.8	4
32	Patterns and Interactions in Network Security. ACM Computing Surveys, 2021, 53, 1-37.	16.1	2
33	Enterprise Integration Patterns in SDN: A Reliable, Fault-Tolerant Communication Framework. IEEE Internet of Things Journal, 2021, 8, 6359-6371.	5.5	6
34	Security on in-vehicle communication protocols: Issues, challenges, and future research directions. Computer Communications, 2021, 180, 1-20.	3.1	23
35	Threats Behind Default Configurations of Network Devices: Wired Local Network Attacks and Their Countermeasures. , 2020, , 133-172.		1
36	ProTro: A Probabilistic Counter Based Hardware Trojan Attack on FPGA Based MACSec Enabled Ethernet Switch. Lecture Notes in Computer Science, 2019, , 159-175.	1.0	3
37	Securing Vehicle Diagnostics in Repair Shops. Lecture Notes in Computer Science, 2014, , 93-108.	1.0	2

#	ARTICLE	IF	CITATIONS
38	SEPAD – Security Evaluation Platform for Autonomous Driving. , 2020, , .		13
39	Responding to Cybersecurity Challenges: Securing Vulnerable U.S. Emergency Alert Systems. Communications of the Association for Information Systems, 0, , 187-208.	0.7	2
40	Quality of Service Analysis of Ethernet Network Based on Packet Size. Journal of Computer and Communications, 2016, 04, 63-72.	0.6	4
41	Survey of security issues in IPv4 to IPv6 tunnel transition mechanisms. International Journal of Security and Networks, 2017, 12, 83.	0.1	1
42	Encrypted Data Transmission Model For Ethernet LANs. Sakarya University Journal of Science, 0, , 1-1.	0.3	0
43	ARP Spoofing Analysis and Prevention. , 2020, , .		5
44	Mitigating Storage Challenges through Configuring NAS Using Raspberry Pi. , 2021, , .		0
45	vBump. , 2021, , .		2
46	In-Vehicle Communication Cyber Security: Challenges and Solutions. Sensors, 2022, 22, 6679.	2.1	30
47	Performance Analysis of Software-Defined Networks to Mitigate Private VLAN Attacks. Sensors, 2023, 23, 1747.	2.1	0
48	Doomed to Repeat with IPv6? Characterization of NAT-centric Security in SOHO Routers. ACM Computing Surveys, 2023, 55, 1-37.	16.1	0
49	Stability Analysis and Security-Based Event-Triggered Mechanism Design for T-S Fuzzy NCS With Traffic Congestion via DoS Attack and Its Application. IEEE Transactions on Fuzzy Systems, 2023, 31, 3639-3651.	6.5	7
50	Empirical investigations on the security and threat mitigation of campus switches. , 2023, , .		0
51	Assessing Security of Internal Vehicle Networks. Lecture Notes in Computer Science, 2023, , 151-164.	1.0	0
56	Beyond a Centralized Verifier: Scaling Data Plane Checking via Distributed, On-Device Verification. , 2023, , .		0