

Francesco DI RIENZO

Linux and Network Systems Administrator | Cybersecurity Specialist

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📍 Rome - Minturno

📅 Born date: 5 october 2001 (24y.o)



System Administrator with a strong passion for cybersecurity and offensive security. Currently preparing for the OSCP (Offensive Security Certified Professional), while finalizing the FCP Network Security and VCP (VMware Certified Professional) certifications. Seeking a challenging role within a high-tech, dynamic environment to collaborate with top-tier professionals. Highly motivated to apply my technical expertise and grow in the field of ethical hacking; available for travel and professional development.

SKILLS

Languages	Python, Bash (awk, sed), C++, PHP, TypeScript, JavaScript
Frameworks	Flask, NumPy, Pandas, TensorFlow, React, Node.js, Qt
Databases	Oracle, MS SQL Server, MySQL, PostgreSQL, InfluxDB
Development tools	Git, GitLab, Ansible, Vim, VS Code, PyCharm
Network & Security	F5 BIG-IP, Fortinet (FortiGate, FortiProxy, FortiAnalyzer, FortiManager), SonicWall, Alcatel, Arbor Netscout (Anti-DDoS), Metasploit, BurpSuite, Wireshark, Nmap, Maltego
Operating Systems	Cisco OS (IOS, XE, XR), FortiOS, Arbos, Debian/Ubuntu, RedHat/CentOS, Arch, Kali, Windows Server
Infrastructure	Nginx, Apache, Splunk, Grafana, Nagios, Bind9, Nutanix, VMware ESXi, GNS3, Lantime NTP
Protocols	IPSEC, BGP, MPLS, OSPF, DNS, SNMP, SSH (SSL/TLS), HTTP/S, NTP, Netcat, TACACS, RADIUS, LDAP

EXPERIENCE

Now Network Engineer, MINISTRY OF ENTERPRISES AND MADE IN ITALY, NETWORK OPERATION CENTER, Rome

Network Engineer for NSR, ENDPOINT & NETWORK SECURITY

- Managed the physical and logical infrastructure of the Ministry, comprising 200+ sites and 3 main Data Center HUBs
- Led Data Center physical migration and site upgrade projects (Alcatel to Cisco, SonicWall to Fortinet)
- Deployed Redmine for project tracking, LibreNMS and Oxidized for monitoring and backup, and implemented FortiManager and SD-WAN for branch management
- Configured public DNS zones and F5 BIG-IP (WAF & Application Publishing). Decommissioned legacy iptables firewalls
- Conducted vulnerability assessments and deployed FortiNAC for network access control
- Assisted Project Management with technical documentation, shift planning, and activity tracking

Cisco Fortinet (FortiGate, FortiManager, FortiAnalyzer, FortiNAC) F5 BIG-IP SonicWall Alcatel LibreNMS Oxidized
Redmine SD-WAN DNS NetWitness

March 2025

CyberSecurity Consultant & SysNet Admin, NETWORK OPERATIONS COMMAND (COR) OF THE ITALIAN MINISTRY OF DEFENSE, AUTONOMOUS SYSTEM BRANCH, Rome

Cybersecurity Specialist for FATA INFORMATICA, IT SECURITY COMPANY

- Provided security consulting, network troubleshooting, and incident response
- Engineered objects, rules, and policies for the Fortinet Security Fabric and Arbor Anti-DDoS systems
- Configured and maintained Mellanox switches and Cisco network infrastructure (Routers & Switches)

Cisco (IOS XE & XR) Arbor (Netscout SP & TMS) Fortinet (FortiGate, FortiManager & FortiAnalyzer) Mellanox

September 2024

Linux System Administrator, NETWORK OPERATIONS COMMAND (COR) OF THE ITALIAN MINISTRY OF DEFENSE, AUTONOMOUS SYSTEM BRANCH, Rome

Developer and System Administrator for FATA INFORMATICA, IT SECURITY COMPANY

- Network applications configuration and maintenance
- Network monitoring using Sentinet3, a Nagios-based appliance
- Workflow automation via scripting and web service configuration
- Maintained internal documentation wikis (Local-net procedures & DDoS mitigation knowledge base)
- Designed and updated network topology maps using Visio
- Architected branch DNS infrastructure (Bind9 + DNSMasq + Nginx reverse proxy)
- Contributed to the development of a global BGP alert system for emergency response

Linux (RHEL, Ubuntu) GNS3 Eve-NG Nutanix VMware (ESXi & vSphere) Cisco (IOS XE & XR)
Fortinet (FortiGate, FortiManager)

September 2023

CyberSecurity Intern, FATA INFORMATICA, Rome

Junior Security Analyst for FATA INFORMATICA, IT SECURITY COMPANY

- > Completed intensive training modules and internship requirements
- > Operated and tuned Sentinet3 (Nagios-based) monitoring appliances
- > Conducted Threat Hunting & Malware Analysis simulations
- > Performed OSINT investigations and internal Penetration Testing / Vulnerability Assessments
- > Supported the optimization of internal system architecture

January 2023

Metasploit BurpSuite Wireshark Nmap Maltego Kali Linux Python Bash TCP/IP OSINT

LANGUAGES

Italian ● ● ● ● ●
English ● ● ● ● ○
Spanish ● ○ ○ ○ ○

+ SOFT SKILLS

- > Autonomous
- > Optimizer
- > Problem solving
- > Agile
- > Googling/Dorks
- > AI tools prompting