




# Abbate Antonino

Network/IT/DevOps & Security Engineer

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## Who I am

I am a Ops and Security passionate, I'm a continuous learner and curious, I like a lot to improve my skills and my knowledge. I prefer to get things done instead of saying "it can't be done", taking care to propose technical solutions to resolve the problem.

On July 2017 I started my own company: THE I ([www.thei.it](http://www.thei.it)), which provides the following services:

- Infrastructure Engineering
- Systems integration
- Migrations and updates of datacenters / infrastructures / services / platforms / applications
- Deployments
- Project Management
- Information Security (PCI-DSS, ISO27001, NIST, OWASP)
- Service Management
- Cost Analysis, Cost Saving and re-engineering
- Monitoring services

I'm available to work as contractor for every company around the world.

## Experience

### Operations Engineer

*Vendini (100% Remote - 660 Market st. - San Francisco - California - USA )*

**03/2015 -  
Today**

I'm part of Vendini Ops team, I develop solutions for our infrastructures and provide the management of all services. I do often evaluations of new technologies and applications to improve our infrastructures.

- Main activities -

Engineering, management, configuration and troubleshooting of: Network and Security devices ( Cisco switches and Routers, Arista Network switches, A10 load balancers, Palo Alto firewalls), Dell and VMware ESX servers, AWS services (EC2, RDS, ELB, S3, CloudFront, etc...), Development environments (Vagrant and Virtualbox), Docker containers, Linux (CentOS, Ubuntu) and Windows Servers, NIDS (snort), HIDS (ossec), SIEM (Snorby), MTA Message Systems Momentum, Source Versioning (git), Configuration Management (Puppet/Chef), Deployments (Jenkins), Continuous Integration (Codeship, Travis CI). External services: Pingdom, Sendgrid, Twilio, Edgecast CDN, Queue-it, UltraDNS, DNS made easy, Jira, Slack, GitHub, BitBucket, DockerHub, Pagerduty, Easypost, etc..

Monitoring and Graphing: Nagios, Zabbix, Icinga, Shinken, Cacti, Graphite,

Prometheus, Grafana, ELK stack (Elasticsearch, Logstash, Kibana), Splunk. Systems management includes all services correlated: Webservers (Apache, NginX), DBservers (MySQL, mariadb, Percona), InfluxDB, Open TSDB, Redis, Bind DNS, NTPd, Sendmail/Postfix, rSyslog, Squid, iptables, OpenLDAP, Memcached, Couchbase, Sphinx, Consul, etc.. and on Windows: Active Directory, MS DNS, IIS, MSSQL, ColdFusion Application Server, Fusion Analytics, etc..

Vulnerability Assessment, Penetration Testing, Hardening, Security Governance (PCI-DSS), Risk Assessment, Patch Management, Asset Management, Identity & Access Management, Incident Response Plans. Configuration and Source management, Continuous Integration, Scripting and programming. Oncall duties, writing documentation and wiki, incidents management, Post Mortems, technical solutions.

I developed and delivered in production various projects using Agile methodologies following the SCRUM approach.

## IT Security & Compliance Engineer

*Xaos Systems - Consultant at Telecom Italia (Rome - Acilia, via Macchia Palocco 223)*

12/2013 –  
02/2015

I am been the IT Security & Compliance responsible for Telecom Italia Sparkle, Network Operations department.

The main goal was to make the customer pass the external Security Audit, so my duties were thus to verify the current status of IT compliance on production infrastructures and to resolve the security gap before the external audit.

To do so I performed a Risk Assessment and an internal Security Audit. The results of these two activities helped the customer to focus on security governance and made me continue the activities doing a Gap Analysis and Remediation Plan which were focused on: Patch Management, Hardening, Network flows revision, Users revision and Security documentation.

I helped the customer during the external security audit and I have been successful to make pass them the audit.

Since i was part of the production Network Operations team, I have been involved on management of all infrastructures: over 500 servers that provided mobile and network services, these applications run on Linux, HP-UX, Solaris and Windows Server, there were also database servers MySQL and Oracle. The monitoring was done using HP OVO, we managed trouble tickets with Remedy.

## Network Engineer

*Xaos Systems - Consultant at Telecom Italia Sparkle (Rome - Acilia, via Macchia Palocco 223)*

10/2013 –  
11/2013

I was part of Network Operations, Delivery & Assurance department at Telecom Italia Sparkle. Main activities were: Project Management, configuring all Cisco routers for Telecom Italia Sparkle's customer DSV Saima Avandero (located all over Italy), testing connection between Telecom Italia Sparkle PE (provider equipments) and DSV network, full support to customer (providing documentation about hardware installation) in order to achieve full connectivity from customer equipments to internet and configuring Telecom Italia Sparkle's internal equipments (DNS, Syslog, Nagios, Cacti, Cisco Works) to manage all of the routers. I've been also involved in other projects that required knowledge of WAN, VPN (Ipsec, ISAKMP, tunnels) and AAA (using Cisco Secure ACS).

## Network & Security Engineer

*Xaos Systems - Consultant at MiBACT (via Michele Mercati 4, Rome)*

07/2013 –  
08/2013

The main activities were thus to monitoring the network with DartWare Intermapper, providing Security services with McAfee ePolicy Orchestrator platform, Fortinet Firewalls Appliances Fortigate 3600A – 50A – 60C (configuration and troubleshooting), McAfee Appliance Intrushield NIDS M-1450 (configuration, troubleshooting, tuning), Fortinet FortiAnalyzer Network Security Reporting, Logging and Analyzing devices (configuration and troubleshooting), Switches Cisco Catalyst 3550, 4506 (configuration and troubleshooting).

## Network Security & Systems Engineer

*Xaos Systems - Consultant for Hewlett Packard at Bank of Italy (via Mario Bianchini 68, Rome - via Giamaica 7, Pomezia - Rome)*

01/2007 –  
06/2013

My role in this project was managing Bank of Italy's external network and services and providing Security services to these infrastructures. I managed Hewlett-Packard servers (HP Proliant series) with Windows Server 2000, Windows Server 2003 and all of the services used to be in charge to this server farm. My skills were thus to manage/configure TrendMicro InterScan Messaging Security Suite (Mail-relay servers), TrendMicro InterScan Web Security Suite (WebScan/Proxy servers), TrendMicro Server Protect and Control Manager servers, Dnews NNTP servers, Globalscape Secure FTP servers, Cisco Works servers, Juniper Netscreen 208 and 25 firewalls (configuration and troubleshooting), Cisco NIDS 4235 and 4215 (configuration, troubleshooting and tuning), Cisco 2950 switches. Above all I've been dealing with OpenSTM 3.2, a security correlation platform that has the will to handle, correlate and generate security alerts from different security devices (IDS, Firewalls, TrendMicro products). I monitored all infrastructure with HP NNM - OVO (installation, configuration, troubleshooting and tuning), Cisco VMS 2.2 with knowledge of IDSMC 2.1 module to deal with Cisco NIDS. MRTG graph collection and systems/security reporting (every day security, every month global infrastructure). Oncall duties 24/7. Making Vulnerability Assessment, Penetration Testing and Auditing of all infrastructure were mandatory at least once a year, we used Nessus to perform these tasks. I had a core role during the moving of all infrastructure to a new colo in 2011.

## Network Engineer

*Xaos Systems - Consultant for Hewlett Packard at Wind (via Carlo Veneziani 56, Rome)*

07/2006 –  
12/2006

Main activities in DCN department were: configuring and managing Cisco, Intel, 3com and Juniper network equipments (over 500 nodes). Most of the time involved in L2/L3 troubleshooting on Wind DCN network, gaining knowledge of the following IP routing protocols: BGP, OSPF, EIGRP and also have knowledge of switching technologies in big environments.

## Network Engineer

*Xaos Systems - Consultant for Hewlett Packard at Italy  
Prime Minister Council (via della Mercede 9, Rome)*

01/2006 –  
06/2006

Main activities were: configuring and managing Cisco, HP, Cabletron, Avaya network equipments. Most of the time involved in L2/L3 troubleshooting on Italy Prime Minister Council network, gaining knowledge of the following IP routing protocols: BGP, OSPF, EIGRP and also have knowledge of switching technologies in big environments.

## ECDL Instructor, Web developer

*Unione Italiana Ciechi (via Brunaccini 1, palazzo  
Brunaccini - Ali - ME)*

10/2004 –  
08/2005

I taught ECDL modules to blind and visually impaired students, I've also developed their website in order to meet W3C standards (usability and accessibility), moreover I developed a stand-alone program (for microsoft windows) that describes (using automated synthetic speech) html pages browsing with Microsoft Internet Explorer.

### Hard Skills

*Project Management  
Data Center  
IaaS, PaaS, SaaS  
Service Management  
Disaster Recovery  
Monitoring & Reporting  
CRM (Customer Relationship Management)  
Agile Methodologies*

### Soft Skills

*Flexibility  
Teamwork  
Time management  
Motivation  
Leadership  
Curiosity  
Availability  
Communication*

### Technical Skills

#### IT Security

*Firewalls: Cisco, Juniper, Fortinet, PaloAlto, iptables  
NIDS/IPS: Cisco, McAfee Intrushield, Snort, HIDS: Ossec, SIEM: Snorby,  
OpenService OpenSTM (Secure Threat Manager), NAC: Cisco Secure ACS,  
RSA ACE/Server, VPN, AAA, PSK/PKI, 802.1x  
Antivirus: McAfee ePolicy Orchestrator, TrendMicro Server Protect,  
Symantec Endpoint Protection, ClamAV  
TrendMicro InterScan Web Security Suite, TrendMicro InterScan Messaging  
Security Suite, 2FA, MFA, DuoProxy, SSL Management.  
Hardening, Patch Management, Vulnerability Assessment, Penetration  
Testing, Incident Response Plans, Risk Assessment  
Metasploit, Nessus.*

#### Security & Compliance

*Italian Privacy Code (D.lgs. 196/03), ISO 27001, PCI-DSS, OWASP, NIST.*

## Network Engineering

*ISO/OSI Protocol Stack: IP, IPX, NetBIOS, IPv6*

*Routing: RIP, IGRP, EIGRP, OSPF, BGP*

*LAN/MAN: Ethernet, Token Ring, VLANs, R/MSTP, HSRP, VRRP*

*WAN: ATM, Frame-Relay, X.25*

*Appliance Cisco, Juniper, HP, Arista Networks, A10 Networks*

## WLAN

*802.11 a/b/g/n, Radius 802.11 a/b/g/n auth infrastructure.*

## Network Management & Monitoring

*HP NNM, OVO, Cisco Works, Cisco Prime Infrastructure, Cisco VMS,*

*DartWare Intermapper, Nagios, Zabbix, Icinga, Shinken.*

## Reporting, Graphing, Logging

*Fortinet FortiAnalyzer, TrendMicro Control Manager, MRTG, Cacti,*

*Graphite, Splunk, ELK stack (Elasticsearch, Logstash, Kibana), Prometheus,*

*Grafana.*

## Virtual Environments, IaaS, Containers, Orchestrators

*Vmware, Citrix, VirtualBox, Vagrant, Docker, Docker Swarm, Kubernetes,*

*Amazon Web Services, Google Cloud Platform, Azure*

## Source Versioning, Configuration Management, Continuous Integration, Deployments

*Git, Puppet, Chef, Ansible, Travis CI, Codeship, Jenkins*

## Operating Systems

*MS-DOS/NT/Windows/Windows Server*

*Linux/Linux Enterprise (Suse, Red Hat, CentOS, Debian, Ubuntu, Alpine)*

*HP-UX, Solaris*

*MacOSX*

## DBMS, NoSQL, Cached, Indexers

*MySQL, Percona Server, mariadb, sqlite, InfluxDB, Redis, Memcached,*

*Couchbase, Elasticsearch, Sphinx*

## Webservers, Application Servers, CMS

*Apache, Nginx, IIS, Coldfusion, Wordpress, Drupal*

## Scripting & Programming

*Bash, Python, Powershell, PHP*

## Services

*DNS, FTP, NTP, NNTP, Syslog, LDAP, DHCP, WINS, Network Load Balancing,*

*Clustering, MTA, Webservers, Proxy, Antivirus, etc..*

## I'm also proficient with:

*MS Office, Google G Suite, Jira, Confluence, Bitbucket, GitHub, DockerHub,*

*Remedy, Slack, Skype, JSON, REST APIs, Pagerduty, Sendgrid, Twilio,*

*Pingdom, Edgecast CDN and many other SaaS/PaaS services*

## Education

### University of Messina – Science Information Technology

09/2001 - 07/2005 Degree with 104/110 final grade

*Principal skills acquired: Information technology basics, mathematical analysis, statistics analysis, Physics and Electronics.*

*Gained in depth knowledge of programming (C, C++, Assembler, Fortran);*

*Gained in depth knowledge of Databases, designing in SQL;*

*Gained in depth knowledge of Networking, designing networks, Network Security, Security policy implementation, with practice on Cisco appliances;*

*Gained in depth knowledge of Web, implementation of W3C standards;*

*Gained in depth knowledge of Operating Systems.*

### University of Rome "La Sapienza" – Science – Information Technology Master Degree Course

09/2005 - 07/2007 Some exams done (5/12). Course interrupted

## Courses

*Cisco Certified Network Associate (CCNA)*

*Cisco Fundamentals of Network Security*

*Cisco Fundamentals of Wireless Lans*

*Openmind Networks SMS Firewall*

*Cisco Prime Infrastructure*

*Indipendent course: Splunk*

*Message Systems University – Momentum 4*

*ITILv3*

*Microsoft Azure for AWS Experts*

*Google Cloud Onboard*

## Projects

*Vendini Logs Monitoring Infrastructures*

*Vendini Intrusion Detection Systems Infrastructure*

*Vendini Transact/Encrypt Monitoring Infrastructure*

*Vendini Post-Mortems Tracker*

*Vendini Incident Management Tracker*

*Vendini Network Devices Automatic Backup & Notification*

*Vendini CrowdTorch Costs Analisys, Costs Saving & Re-engineering*

*Opensource contributions:*

*Etsy Opsweekly (<https://github.com/etsy/opsweekly>)*

*Prometheus SNMP Exporter*

*([https://github.com/prometheus/snmp\\_exporter](https://github.com/prometheus/snmp_exporter))*

*Docker Morgue (<https://github.com/ninoabbate/docker-morgue>)*

*Docker Opsweekly ( <https://github.com/ninoabbate/docker-opsweekly>)*

*Docker SNMP Exporter Configuration Generator (*

*<https://github.com/ninoabbate/docker-secg>)*

*Nagios Plugins ( <https://github.com/ninoabbate/nrpe-plugins>)*

## Languages

### Italian

*Native*

### English

*Read: Professional working proficiency*

*Write: Professional working proficiency*

*Spoken: Professional working proficiency*

### French

*Read: Basic*

*Write: Basic*

*Spoken: Basic*

*References upon request*