ALEX NASTAS
Senior Network and Virtualization Engineer
12 Years Professional Experience

Toulouse Area, France
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Employment
Orange France (on behalf of Squad) (05/2014 – Present)
Senior Network Virtualization Engineer

- Conducting studies in the field of Software Defined Networking (SDN) and Network Functions Virtualization (NFV).
- Integrating State-of-the-Art solutions as VMware NSX, Juniper Contrail, Nuage Networks in order to create IaaS (Infrastructure-as-a-Service) environments.
- Design and architecture of Openstack platforms and integration with SDN solutions.
- Troubleshooting and analyzing SDN solutions network functionalities and performance

Certification
Cisco Certified Network Professional Routing and Switching (CCNP R&S) (2013)

Certification
Cisco Certified Network Associate Routing and Switching (CCNA R&S) (2011)

Employment
CNRS – IRIT ENSEEIHT (09/2009 – 11/2010)
Research and Development Network Engineer
<Continuation of Master graduation Internship>

Internship
Master graduation Internship at IRIT ENSEEIHT (03/2009 – 09/2009)
Research work in AMIC-TCP project involving tests and development of new standards in automotive embedded networking (CAN/LIN/FlexRay/Real-time ethernet). Analysis and modelisation of QoS mechanisms for embedded network protocols

Employment
Eventis Mobile (07/2007 – 08/2008)
LAN & WAN Network Engineer
Configuration and administration of Cisco switches and Routers (Catalyst 2950/2960/2750/4500/6500 and 4000m/3600/3000/2600/1600). Routing protocols OSPF/EIGRP/BGP. Interconnecting GGSN and SGSN Systems with IP Core

Employment
Casa Farm SRL (09/2002 – 06/2007)
Network and Systems Administrator
Design and implementation of a network consisting of 80 PCs. Implementation of various services like DNS, Active Directory, DHCP, Mail, DMZ, VPN (5 Distant sites)

Employment
Sogeti (Capgemini Group) - (07/2011 – 11/2014)
Senior Network and Security Engineer

Level 3 support and expertise of network and security equipment in large-scale enterprise networks

Maintain of 24x7 network environments.

Implementation of TCP/IP Core network services. Conception and deployment of network systems.

Education
Master Degree (2008-2009)
Networking and Telecommunication
ENSEEIHT, National Polytechnic Institute of Toulouse
(Toulouse, France)

Internship
Internship at Orange Moldova (02/2007 – 06/2007)
Familiarization with large-scale network environments, including GSM services

Education
University Degree (2002-2007)
Radio-electronics and Telecommunication
Technical University of Moldova

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Orange France (On behalf of Squad): 05/2014 – Present — Senior Network Virtualization Engineer

Projects:
- VMware NSX SDN (Software Defined Networking) solution industrialization:
- Orange Internal use-case analysis
- Installation and testing of the product
- Debugging and close interaction with VMware support
Keywords: Routing, Switching, SDN Controllers, OSPF, BGP, Control/Data/Management Planes, Traffic analysis, VXLAN

- VIM (Virtual Infrastructure Manager) and SDN Integration
- Analysis of SDN and virtualization solutions
- Design of PoCs (Proof of Concept) for VIM SDN solutions testing
Keywords: Openstack, Juniper Contrail, Nuage Networks, MPLSoGRE, MPLSoUDP, MP-BGP

- Network Platform Design and management:
- Architecture of L3 and L2 network based on Juniper equipment
- IP Tunnelling between datacenters, VPN connectivity
- Management of 13 Blade Chassis (about 200 blade servers)
- Installation and configuration of several VMware vSphere and vCloud platforms
Keywords: HP C7000, IBM Bladecenter H, Dell M1000, Switching, BNT, H3C, Juniper QFX, MX, SRX, vCDNI, vShield, BGP

Sogeti (Capgemini Group), Toulouse area, France: 07/2011 – 05/2014 — Senior Network and Security Engineer

Projects:
- AIRBUS Corporate: 01/2014 – 05/2014: E-Mail rebranding project.
Migration of 240 000 Users Mailboxes from @eads.com to @airbus.com. Network and infrastructure planning, and conception. Installation and configuration of Cisco Catalyst Core and Nexus Distribution and Access network equipment in datacenters. Estimation and routing of data flows between core points of Airbus network (USA, Australia, Europe, China). Load Balancing mechanisms implementation for about 200 Exchange mailbox servers
Keywords: Switching, Routing, Cisco Nexus 5000, 2000, Cisco Catalyst 6500, F5 Big IP, Exchange

- SOLFEA Bank: 07/2012 – 12/2013: Network Design and Reconstruction
Conception, design and implementation from scratch of a network architecture, consisting of 2 Data Centers and 1 Users site. Creation of a Core/Distribution/Access network model using dynamic routing services (OSPF/BGP) and LAN segmentation (VLAN) and redundancy services (Link Aggregation/Spanning Tree). Implementation and consolidation of security mechanisms (Checkpoint Firewalls). Implementation of tunneling (Remote Access / Site to Site VPN IPsec). Implementation of clustering and high availability services between the 2 datacenters. Providing network connectivity and support for IBM PureFlex virtualized systems
Keywords: Switching, Routing, HP Comware H3C, Checkpoint Firewall, VPN IPsec, OSPF, BGP

- Credit Agricole Group: 07/2011 – 07/2012: L2/L3 Network Support
Maintain and support of large-scale network (several thousand users) consisting of the following services :
Switching (Cisco / HP), Routing (Cisco), Security (Checkpoint/Juniper), Load Balancing (Radware / F5), VPN IPsec (Cisco) / VPN SSL (Juniper).
Keywords: Switching, Routing, Cisco Catalyst, Checkpoint Firewall, Juniper VPN SSL, Nortel Switch

CNRS, Toulouse area, France: 03/2009 – 11/2010 — Research and Development Network Engineer

Research work in AMIC-TCP project involving tests and development of new standards in automotive embedded networking (CAN/LIN/FlexRay/Real-time ethernet). Analysis and modelisation of QoS mechanisms for embedded network protocols

Eventis Mobile, Chisinau, Republic of Moldova: 07/2007 – 08/2008 — LAN & WAN Network Engineer

Configuration and administration of Cisco switches and Routers (Catalyst 2950/2960/2750/4500/6500 and 4000m/3600/3000/ 2600/1600). Routing protocols OSPF/EIGRP/BGP. Interconnecting GGSN and SGSN Systems with IP Core

Casa Farm, Chisinau, Republic of Moldova: 09/2002 – 06/2007 — LAN & WAN Network Engineer

- Design and implementation of a network consisting of 80 PCs.
- Implementation of various services like DNS, Active Directory, DHCP, Mail, DMZ, VPN (5 Distant sites)

Language proficiency

English ■■■   **French** ■■■   **Russian** ■■■   **Romanian** ■■■   **German** ■□□