Senthil Kumar
Senior Technical Lead - HCL Cisco

• Result oriented Networking Professional with 11 years' experience in
testing network products diversified skills includes testing ACI SDN
fabric,
UCSD orchestration, Routing and Switching: design, deploy and
troubleshoot customer network
• Extensive knowledge of Testing and Deploying network test plans,
protocols, Strategies and Lab Setup.
• In-depth knowledge of ACI fabric, Routing and switching protocols
• Proven communication skills and the ability to troubleshoot and solve
network issues
• Skilled in providing support in various networking testing activities
to
provide effective support and handling of customer escalation and for
ensuring timely and effective support

WORK EXPERIENCE

Senior Technical Lead

HCL Cisco -  Bengaluru, Karnataka -

October 2015 to Present

Project Title: Feature testing and Deployment on ACI fabric for Cisco IT
and UCSD

• ACI Fabric deployment in single POD and Multi-POD environment
• Deployed Cisco ACI Multi-Site Controller with ACI fabric for Testing
stretched
EPG's between Data centers
• Deployed Cisco IT replica Setup in Local Lab
• Handling Cisco IT customer network and pre-deployment of image testing
before handing to
CISCO IT Customer
• End to end testing of Cisco IT test bed, upgrade and downgrade of
Various
images
• Configured SDN Controller (APIC) Decommissioned and Commissioned in
Cluster
• Configured UCS manager
• APIC upgrade downgrade, Cisco Nexus 9k leaf spine downgrade upgrade
testing.
• Bring up ACI leaf and spine fabric with UCS fabric interconnect
• Implementation of VMware DVS and Cisco AVS in Esxi host and tested the
AVS
functionality
• Tested redundancy testing on leaf, spine and fabric interconnect
• Communicated inconsistencies between System Specifications and Test
Results
to development and/or analyst team
• Involved in Defect Review meetings escalating and prioritizing issues
effectively
• Experience in implementation of VMware Infrastructure 5.5 / 6.0
• Managed Virtualization environment using VMware EXI 5.5/6.0, Vcenter
5.5/6.0

• Creating and Managing virtual machines and Templates

• Migration of VM using Vmotion between Clusters
• Configured Windows iSCSI SAN and integrated to VMware
• Testing Cisco APIC with UCSD integration with Multi Site Controller

Technical Lead

Aricent Cisco -

July 2012 to September 2015

Client Cisco Systems
Project Title: Feature testing and Deployment on CISCO CARRIER PACKET TRANSPORT

• Worked on EFT with Bharti Telecom and China Telecom Demo for 9.7 rings features
• Conducting the Dev-test activities for CTP for Rings 9.7 feature. Bring up new setup,
• Written test cases for CPT 50 Ring feature to test REP and also to validate MPLS TP and P2MP
EVC
• Tested MPLS TP, single segment and multi-segment Pseudowire, P2MP EVC, REP
features.
• Tested EVC P2MP type on that carried out Single tag, Double tab of 802.1q and Dot1ad
• Based on Cisco Resilient Ethernet Protocol feature CPT 9.7 testing is carried out.
• Created open and closed end segment for REP topology and tested Rings CTP 9.7 feature
• Tested Mac learning, aging, flushing and limiting features
• Tested multiple frame size and JUMBO frame verification with MPLS TP
• Tested Link Aggregation verification with MPLS TP
• Tested Memory Backup verification with fully loaded CPT configuration
• Hardware redundant Plug in and Plug out Circuit Pack test and High availability testing
for CTP 600
• Network Protection verification testing with MPLS TP working LSP and Protected LSP
• Tested DHCP Snooping
• Tested EVC P2MP type on that carried out Single tag, Double tab of 802.1q and Dot1ad
• Tested Mac learning, aging and limiting features
• Supporting customer queries for the product

Technical Lead

Aricent Group -

December 2011 to June 2012

Client KeyMile Germany

• Conducting the Dev-test activities for Eth-Sys series switch. Bring up new setup,
preparation of FT test plan, derive test estimate for the Release.
• Tested the various images submitted by release -ops team
• Carried out manual testing on Vlan 802.1Q ( Mac aging, Mac flooding, Tag and untag)
using SNMP mib browser and Aricent ISS
• Written test cases for RSTP and MSTP features and tested it.
• Debug the failures by configuring the test bed manually and filing the defects

Technical Lead (HCL)


Client Cisco Systems -

January 2010 to December 2011

Cisco 12000 Gigabit
Switching Router)

• Performed the Role of Technical lead for a team member size of 4
• Test the various images submitted by release -ops team
• Carried out manual testing of Connection Server (HSRP) and OSPF features to verify
the functionality
• Tested OSPF point to point and Broadcast network
• Bring up new setup, prepare test plan, derive test cases and execute the test cases
• Debug the failures by configuring the test bed manually and filing the defects
• Interact & co-ordinate with Dev-test and Development team to review the CFD's and script
coverage.
• Find defects through manual testing and verify the defects
• Analyze both internal and externally found defects and come up with a plan to reduce the
defects missed out in the scripts.

Test Lead (HCL)

Client Cisco Systems -

May 2007 to December 2011

Virtualization)

• Performed the Role of lead for a team member size of 5
• Image testing on ACE module and ACE 4710 Appliance.
• Coordinating with onsite/offsite teams in resolving the defects found when performing
Testing.
• Given white paper & Presentation document in ACE High Availability and Securing
ACE 4710 with ACS server
• Test Plan writing, reviewing and planning test strategies.
• Peer to Peer Reviews to avoid Post Delivery Defects
• Lab Test Bed creation and Infrastructure Maintenance

• Configured High Availability of ACE Module, ACE Appliance and ANM
Servers
• Configured End to End traffic Load balancing of Data center using the
ACE 4710, ACE
module and CSM devices
• Deployed different topologies NAT, Routed and Bridged for End to End
traffic Load
balancing of Data center

Lab Administrator

HCL Cisco -  Chennai, Tamil Nadu -

May 2003 to June 2007

Key responsibility is to perform CISCO Network LAB Administration


EDUCATION

B.Tech in Computer Science in Computer Science

Dr MGR University Chennai -  Chennai, Tamil Nadu

SKILLS

CPT (3 years), Data Center (4 years), Ethernet (3 years), testing (10+
years), Virtualization (7
years)

LINKS

http://www.linkedin.com/in/senthil-kumar-9600101b

ADDITIONAL INFORMATION

Skills

Virtualization VMware-VSphere, DVS, Cisco AVS, Cisco
ACE

SDN Cisco Application Centric Infrastructure
(ACI)

L2/L3 Protocols OSPF, EIGRP, MPLS, VLAN, VXLAN,
STP, RSTP, VPC

Metro Ethernet Protocols Carrier Ethernet protocols EVC, MPLS TP,
PsudoWire, REP

Traffic Generation Tools Traffic tools IXIA Iexplore and Smart Bit

Testing Tools Wireshark and MIB Browser

Network Products Cisco SDN ACI Fabric
VMWare 5.5 and 6.0
Cisco UCSD Orchestration
Carrier Ethernet devices (CPT […]
Cisco Metro Ethernet 2600

Cisco routers GSR 12000, 7600
Data center Virtualization using the ACE
Nexus 5k and ACI 9K switches
Cat 6500 and 3550 Switches

http://www.linkedin.com/in/senthil-kumar-9600101b