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INTRODUCTION

A result oriented IT professional with extensive experience in the administration and support of information systems. In-depth expertise in implementation, analysis, optimization, troubleshooting and documentation of LAN/WAN networks,Wireless,Datacenter,Virtulization and Servers as a Team Leader. Track record for diagnosing complex problems and consistently delivering effective solutions. Hands on experience in Intrusion Prevention, Detection, and Recovery on UNIX and Windows based systems.Expertise in VMware & vSphere Hyper-V in windows and Linux flavours

Shifa International Hospital Ltd(Islamabad) Oct 01 **2009 To date.**

Working as a Senior System & Network Engineer. Design and Deploy IT Projects.

Configure and Manage, Data Center deployment project,enterprise Data Center Network ,servers,Storages,Data Center Migration Project ,HCI project,Firewalls,wireless Lan Controllers (WLC),Network switches & Routers,mail server, Red Hat Directory server (Ldap server),Microsf Active directory server, proxy and mail server. Manage and configure the Dynamic dns servers, Dhcp Failover ,ntp servers,tftp server.install and configure the proxy server with mac support. Configure the kick start programing for the linux automation installation method through the Network.Layer3 (MPLS) connectivity on cisco Router 2911 and Ciso Router 2911,Cisco Router 39.x.x.x series for the Data connectivity.deployed the Network,Linux,servers and WIF Project in Shifa International Hospital Islamabad,Faisalabad,Gujrat etc.

VPN Project:

- 1: IPSEC VPN
- 2: Layer3 VPN
- 3: Layer 3 MPLS VPN
- 4: SSL VPN

Dell SAN storage & Servers installation and configuration Project:

- 1: installed and configured the Dell Fiber switches with failover connectivity.
- 2: Installed and configure the Linux OS Servers for the Oraclcd 11G database.
- 3:Installed and configured the Iscsi Initor for the SAN to Server volume access.
- 4: configured the Dell storage SAN with dual Controllers for the Block level volume storage with Raid controller.

Data Center Project:

- 1: Design,Plan and Deploy the Shifa International Hospital new Data Center .
- 2: Design,Plan and Deploy the Shifa International Sialkot Hospital new IT SETUP and Data Center.
- 3:Design,Plan and Deploy the Shifa International Faisalabad Hospital new IT SETUP and Data Center.
- 4: Design,Plan and Deploy the Shifa International Maple Leaf Hospital new IT SETUP .

Mobility WI-FI Project:

Deploy and Implement the Aruba Mobility centerlized WI-FI connectivity with Aruba Mobility controllers on High availability (HA) and Aps (no of 500) at Shifa international Hospital Islamabad for the data,voice and video traffic.

Enterprise Data Center Project:

Edge Network:

Core Switches Project :

1:configured the Cisco NEXUS 9K,3K series & Allied teleis core,access,TOR switches for Multiple logical Networks connectivity.

2: Configured the Active Active High Availability.

3: Configured the VPC for HW Failover .

4:Configured the HSRP for routing redundancy for IP hosts.

5:Configured the OSPF.

Hardware Base Firewall Project:

installed and configured the High availability (HA)Firewall for LAN & WAN security.

Configured the LAN / DMZ / WAN Interface IP Addresses - Configured the Active & Standby High Availability Configuration - Configured the WAN Failover - Configured the OSPF Routing - Configured the Shifa User Internet Access via Sangfor NGAF - Configured the Application Control / Service Control - Configured the Anti-Virus Security Policy - Configured the Intrusion Prevention System Security Policy - Configured the Web Application Firewall Policy - Configured the Anti-DDoS - Configured the ARP Spoofing Prevention -Configured the SSL VPN ,Configured the IPsec VPN Configured the High Availability Device Failover.

DataCenter Migration Project For 30 Servers, 10 SAN Storage Devices, and 10 core & TOR Network Switches,2 Firewall,2 Proxy devices:

As a project Manager holds weekly meetings to confirm the progress of the plan and the accomplishment of tasks in a timely fashion.

Identify Prerequisites,Create a List of Resources & Dates,Hardware Move Checklist ,Backups ,Upgrading in Parallel,

Hardware Base proxy Project:

installed and configured the Proxy Firewall for LAN internet & security.

VMWARE/VMWARE VSAN Project:Expertise in VMware Server & vSphere,Oracle VM and Hyper-V in windows and Linux flavours,2:Expertise on Storage technologies such as S3, Virtual SAN and RAID levels. Maintain & Deployment VMWare ESXI virtual environments.Expertise disaster recovery methods and procedures.Virtualization Tools: VMware ,ESXI,VSAN & vSphere, Hyper-V, Installed and configured the VMWARE environment and Vsan on servers .

Domain Controller, Active Directory, DNS, DHCP, SQL Server:

Installing and Managing of Domain Controller, Active Directory, DNS, DHCP, SQL Server.

Exchange Server 2007, 2010, 2013:

Installation and configuration of Exchange Server 2003,2007, 2010, 2013.

Solarwinds (NPM,NTA,IPAM,SAM):Deployed the Solarwinds Solutions with

(NPM,NTA,IPAM,SAM) on Hyper-Vm with windows 2016 server with high availability.

Forward& revers Proxy :Squid Proxy server,sSanfor IAM,ISA server.

Failover domain Name server: (primary) Domain Server, (secondary) Domain Server

Failover DHCP servers: (primary) DHCP Server (secondary) DHCP Server

PXE & NTP server: Configuration & Management of PXE server Configuring Auto installation scripts for the Linux Operating system with requirements.

E-Mail server: Microsoft exchange,oxigen/qmail/sendmail

Actvie Directory servers: Microsoft Activer directory server,Redhat directory server

Lan Network project:Design and deploy the LAN network connectivity "5,000 Nodes".

Preventive Maintenance Project. Network, Servers, Data Center.

Project:New server deployments, LAN & WAN Network deployments, New Linux base OS server base and Desktop base deployment,New wifi connectivity deployments, New storage deployments,

Applications deployments, Shifa remote site data connectivity deployment, Data Center Tier-II, Software Defined Data Center (SDDC).

Specialty:

Lan&Wan-Security, Linux/UNIX, Microsoft-windows, Servers, Networks, WIFI, LAN/WAN, STORAGEES, Data-center, Cloud, VMware/ Hyper V, Solarwinds Project (NPM, NTA, IPAM, SAM).

JCIA IT Requirement for the JCIA Health care Certification:

successfully deploy the IT project for fullfill the JCIA IT Requirement for the JCIA Health care Certification.

PROFESSIONAL EXPERIENCE

Net21 Pvt Ltd (ISP) (Pakistan Services Limited) Jan 2006 to Oct 2009- Network Administrator

Design and Deploy IT Projects related to Networks in coordination with Chief Technical Advisor(Hashoo Group) for all corporate IT Project and Solutions. Maintain and Manage whole ISP operations. Administrate Corporate Qmail based Mail servers, DNS, Firewalls, Squid, Billing, MRTG servers for Internet traffic Monitring, FreeBSD and Solaris based Dell systems with cisco routers and switches.

Arid Agriculture University Rawalpindi(CIIT), June, 2004

Installation and Networking in the university computer lab by which the supervision of Network Administrator.

Technical Expertise:

Linux/Sun Solaris Servers Performed Advanced System Administration tasks related to the Services, Software, System Resources, Users and File systems and Routing. Performed tasks related to Backing Up, Restoring and Recovery in Sun Solaris. Configured and implement Apache, DNS, DHCP, RAS, Radiator Radius, SENDMAIL, vpopmail, Postfix, Qmail, IPTables(firewall), telnet, FTP, SSH and Samba services. Linux-Base LoadBalancing/Failover Router Configuration for Marriot Hotel Islamabad, PC Hotels Rawalpind, PC Hotels Lahore, PC Hotel Karachi, Marriott Hotel Karachi .

Windows Servers Performed Advanced System Administration tasks. ISA Proxy, Design and implement DNS, Domain Users, Groups and Policies, Exchange Server for mails & newsgroups on windows advanced server in Marriott-Karachi Hotel, Marriott-Islamabad Hotel and Pearl continental Peshawar Hotel .

Core Switch :

configured the Cisco core switches for Multiple logical Networks connectivity:

Spam FireWall:

Spam HardWare firewall configuration for qmail server and Exchange Server.

Web Filter Firewall/Network Firewall: Web Filter Firewall and Network Firewall configuration in Marriott Hotels and PC Hotels in Pakistan.

Technical Skills	
Data Center	3-Tier, 2-Tier, Spine and Leaf, Core and Pod, CI/HCI, UCS, SDDC, DCI, Multi-tenancy and DCIM
Routing Protocols	RIP, EIGRP, OSPF, IS-IS, BGP, MP-BGP, PBR, BFD, VRF, Multicast, QoS and IPv6
Catalyst Switching	VTP, STP, RSTP, PVSTP, Rapid-PVSTP, MST, HSRP, VRRP, GLBP, Port Channel, L2 Security, WLAN
Nexus Switching	VDC, vPC, vPC+, VPC Gateway, FEX, ECMP, FabricPath, VxLAN and OTV
Storage Switching	Cisco MDS (Zoning, FC, FCIP, FCoE, NP, NPIV), Dell Force 10, EMC Unity, Dell EqualLogic, HPE
MPLS Technologies	LDP, Unicast Routing, Intra-AS VPN, Inter-AS VPN, CRC, MPLS TE, FRR and QoS
VPN	L2VPN (MPLS AToM, VPLS, EVPN) L3VPN (IPSec, GRE, DMVPN, GETVPN, FlexVPN, SSLVPN)
Virtualization	VMware ESXi, vSphere Suites 5.x/6.x, vRealize Suites 6.x, Horizon VDI, VCD, Hyper-V

	and KVM
SDN & NFV	VMware VCD/NSX/vCloud NFV, Cisco ACI, Openstack Neutron, SD-LAN, SD-WAN
LB & ADC	HAProxy, Nginx, F5 Big LTM, Sanfor, Fortinet and Barracuda
Security	Cisco ASA, WSA, ESA, NGFW (Cisco, Juniper, Allied Telesis),
Private Cloud	VMware vCloud & vRealize Suites vCloud Director vRealize Automation OpenStack RDO
Public Cloud	VMware vCloud Air Microsoft Azure Office365 AWS Foundation UKCloud
Wireless	Aruba (WLC), Ruckus (WLC), HP
Net Management	NetFlow, SNMP, Zabbix, Solarwinds NMS, JFFNMS, Nagios & NCM
Operating System	Cisco IOS NX-OS IOS-XR ISO-XE Windows Redhat Linux CentOS Oracle Linux Ubuntu

EDUCATION:

Degree	Institution	Subjects	Year of Passing
MIT	Arid Agri University Rawalpindi.	Networking.	2004
B.Sc.	Kh, Fareed, Gov College Rahim Yar Khan.	Math A & B, Statistics.	2001
MCSE	(Transcript ID:783126)	Win 2000 Track	2003
MCSE+MCSA+MCP (Certified)	(Access Code:12345678)	Win 2003 Track	2007
CCNA (Certified). (Cisco ID:CSCO11288237)	ICTECH (PTCL) Islamabad.	Router, Switch, .	2005
LINUX, ISP Administration	ICTECH (PTCL) Islamabad.	Linux, Fedora,	2006
Juniper Network (Certified)			2007
Red Hat (EH033, RH133, RH253)	Techno-Ed	RH Enterprise Linux Essentials, Linux Network services & security Administration, Linux System Administration BCMSN, BSCI, ISCW, ONT	2008
CCNP	ICTECH (PTCL) Islamabad.		2009
CDCP	EPI	Certified datacenter Professional	2018
SANGFOR Certified Technical Professional -NGAF	SANGFOR	SANGFOR Certified Technical Professional -NGAF	2018
SANGFOR Certified Technical Professional -IAM	SANGFOR	SANGFOR Certified Technical Professional -IAM	2019