# Peter Charles

Tel: (416)839-6065 E-mail: petercharles.ca@gmail.com

VMware and Data Center experience in RBC and Centennial College. VCP-Cloud, MCSE, CCNP

**SUMMARY:**

* VMware Certified Professional (VCP): VCP-Cloud, VCP5-DCV, VCP5-DT
* MCSE ( Microsoft Certified Solutions Expert: Windows Server 2012),
* 5+ years' experience with various virtualization technologies, extensive experience with VMware ESXi 5.x,   
  SRM & Replication, Clustering and load balancing, Network virtualization, NSX, vRealize Automation
* Project experience with SAN/Fiber Channel Switches technologies;  
  Storage Certification: EMCISA (EMC Proven Professional Information Storage Associate)
* 5+ years’ experience in Microsoft Multi Domain Active Directory Services in an Enterprise environment.
* 5+ years’ experience of Windows Networking Services (DNS, DHCP, WINS)
* 5+ years’ experience in setting up group policies, access control, and directory tree and directory replication.
* 5+ years’ experience in with PowerShell in a Windows environment
* 10+ years’ experience in with LAN/WAN technologies, such as VLAN, HSRP, VRRP, OSPF, BGP
* 5+ years’ experience in of various Firewalls & VPN technologies
* Project experience of HP Blade & Storage solutions
* Ability to work independently as well as in a team
* Ability to quickly grasp technical concepts, architecture, and processes
* Ability to handle multiple tasks and prioritize
* Strong documentation skills

**Technologies**

**VMware:** VMware vCenter Converter, ESXi, PowerCLI, vRealize Automation, vRealize Operations Manager, NSX

**Cloud:** Microsoft Azure Cloud, Office 365, VMware vCloud, Amazon Web Services (AWS), OpenStack Private Cloud

**Windows:** Windows Server 2003/2008/2012, Exchange, SharePoint, Hyper-V, Active Directory, Group Policy

**Unix/Linux:** Red Hatt, CentOS, Ubuntu, RPM, yum, apt

**Data Center Technology:** vPC, VDC, VXLAN, NX-OS, SAN, VSAN,NAS, FCoE, iSCSI, NFS, CIFS, LUN, RAID

**Data Center Device:** Cisco UCS 5108/B200 M3 Blade Server/C220 M3 Rack Server/6248UP Fabric Interconnect, Dell PowerEdge R920**,** Cisco Nexus 9396/7009/5548UP/2232 Fabric Extender/1000v, EMC VNX 5200/NetApp FAS2552 Storage System

**Network Technology:** TCP/IP,ARP, STP, VLAN, 802.1Q, HSRP, VRRP, EIGRP**,** OSPF, BGP,MPLS, VRF, DNS, DHCP, HTTP, FTP, Telnet, SSH, VSS, NAT/PAT, IPSEC, SSL, IP Spoofing, Cisco IOS, 802.11a/b/g/n

**Switch:** Cisco Catalyst 6880-X/ 6500/4500-X/3850/3650/2960-X Switch

**Router:** Cisco 800/ASR 1000/

**Firewall:** DMZ, VPN, IPS, DDoS, Cisco ASA 5516-X, CheckPoint, Palo Alto

**Load balancer**: F5 LTM/GTM, Citrix Netscaler

**Network Tool:** SolarWinds, Nagios, OpenNMS, Wireshark, Fiddler, Sysinternals Suite

**Certifications**

**VMware**

* VCP-Cloud (VMware Certified Professional Cloud), VMware, Inc.
* VCP5-DT (VMware Certified Professional 5 Desktop), VMware, Inc.
* VCP5-DCV (VMware Certified Professional 5 Data Center Virtualization), VMware, Inc.

**Windows**

* MCSE ( Microsoft Certified Solutions Expert: Windows Server 2012), Microsoft

**Data Center**

* CCNA Data Center (Cisco Certified Network Associate Data Center), Cisco System, Inc
* Cisco Data Center UF Support Specialist, Cisco Systems, Inc.
* Cisco Data Center Unified Computing Design Specialist, Cisco Systems, Inc.
* Cisco Unified Computing Technology Design Specialist, Cisco Systems, Inc.
* Cisco Unified Computing Technology Support Specialist, Cisco Systems, Inc.

**Storage**

* EMCISA (EMC Proven Professional Information Storage Associate), EMC

**Network**

* CCNP (Cisco Certified Networking Professional), Cisco Systems, Inc.
* CCNA Security (Cisco Certified Network Associate Security),Cisco Systems, Inc.

**Developer**

* SCJP (Sun Certified Java Programmer), Sun microsystems

**Telecom**

* Senior Telecom Engineer, China Telecom
* The 21st – Century Elite, China Telecom

**PROFESSIONAL EXPERIENCE:**

**Centennial College, Toronto, Ontario Technical Analyst 2015.9.1-2016.3.25**

* Administer & support VMware ESXi in a multi-tenant & multi-site private cloud infrastructure
* Administer & support SAN & Fiber Channel Switch infrastructure
* Troubleshoot, administer and optimize Microsoft Windows servers
* Knowledge transfer & training
* Work with various service providers & vendors to troubleshoot and continually improve IT infrastructure.
* Research & implement new technologies
* Provide VMware training to team members

Project: Design and Implement VMware vCloud

Technology: VMware vCenter/ESXi, vRealize Automation, NSX, Windows Server 2012, NFS, iSCSI, vPC, VSAN,

Device: Cisco UCS C220 M3 Rack Server, Dell PowerEdge R920**,** Cisco Nexus 7009/5548UP/2232 Fabric Extender/1000v, NetApp FAS2552 Storage, Cisco 800 Router, Cisco Catalyst 6880-X/3850/2960-X Switch

Project: Develop and Deploy Smart IV Web Application in Microsoft Azure Cloud

Technologies: Microsoft Azure Cloud, Web App, C, C#, WCF, WPF, Cloud Message for Android and IOS, MySQL

Project: Develop and Deploy Community Exercise Messaging System for Centennial College

Technologies: Microsoft Azure Cloud, Web API, JavaScript, Cloud Message for Android and IOS

**ADR (Accurate Data Recovery), Toronto, Ontario Technical Analyst 2012.1.1-2015.8.28**

* Administer & support VMware in private cloud infrastructure
* Administer & support Windows and Linux
* VMware/Windows/Linux Data Recovery

Project: Build OpenStack Private Cloud in VMware

Technologies: OpenStack, VMware ESXi, Windows Server 2012, Linux, Storage

**RBC Financial Group, Toronto, Ontario Technical Analyst 2011.1.3-4, 2011.9-12.30**

* Administer & support VMware ESXi in a multi-tenant & multi-site private cloud infrastructure
* Administer & support SAN & Fiber Channel Switch infrastructure
* Troubleshoot, administer and optimize Microsoft Windows servers
* Work with various service providers & vendors to troubleshoot and continually improve IT infrastructure.

Project: Deploy Servers in VMware

Technologies: VMware vCenter, Windows Server 2008, Active Directory, Group Policy, NAS, NFS, iSCSI, vPC

Device: Cisco UCS 5108/B200 M3 Blade Server/C220 M3 Rack Server**,** Cisco Nexus 7009/5548UP/2232 Fabric Extender/1000v, EMC VNX 5200 Storage, Cisco 800 Router, Cisco Catalyst 6880-X/3850/2960-X Switch

Project: Automate VMware VMs daily report

Technologies: VMware vCenter/ESXi, Windows Server 2008, Active Directory, Group Policy, SQL Server, C#

Project: Automate daily report from Oracle BI to SharePoint

Technologies: Windows Server 2008, Active Directory, Group Policy, PowerShell, SharePoint, Oracle BI, IIS, C#

**World Service Cargo, Toronto, Ontario Technical Analyst 2009.2.2-6.30**

* Administer & support VMware
* Troubleshoot, administer and optimize Microsoft Windows servers
* Work with various service providers & vendors to troubleshoot and continually improve IT infrastructure.

Project: Enhance Wireless Network Security.

Technologies: Windows Server 2008, TCP/IP, DNS, DHCP, Active Directory, Group Policy, PKI, 802.11a/b/g

**A2AWeb Solution Inc., Toronto, Ontario Web Developer 2008.11.3-2009.2.27**

* Maintain Web hosting and develop web applications

Project: Developed Web Application integrated with SQL database

Technologies: Javascript, Python, C#, Windows Server 2008, IIS, SQL Server

**China Telecom, China Senior Network Engineer 1998.8.3-2008.8.29**

* Administer & support VMware ESXi
* Administer & support SAN & Fiber Channel Switch infrastructure
* Troubleshoot, administer and optimize Microsoft Windows servers
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* Work with various service providers & vendors to troubleshoot and continually improve IT infrastructure.
* Research & implement new technologies
* Provide VMware training to team members

Project: Build Telecom Data Center

Technologies: VMware vCenter/ESX, vSphere, Windows/Linux Server, Active Directory, Group Policy, SQL Server

Project: Internet service network system Extension

Technologies: DNS, DHCP, FTTB (Fiber to the Building) +LAN, ADSL

Devices: Routers, Switches, Firewall

**EDUCATION:**

* Computer and Communication Networks, Bachelor's Degree, Centennial College 2013-2015
* Computer Systems Technology – Networking , Advanced Diploma, Centennial College 2010-2012