# Peter Charles

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

**SUMMARY:**

* Bachelor's Degree of Computer and Communication Networks
* 10+ years’experinece of Windows, Unix/Linux, Network administratation
* 5+ year Hypervisor expertise in VMware,
* 5+ years’ experience in Cisco UCS

**Technologies**

**VMware:** VMware vCenter Converter, ESXi, NSX

**Cloud:** Microsoft Azure Cloud, Office 365, VMware vCloud, AWS, OpenStack Private Cloud

**OS:** Windows Server 2003/2008/2012, Exchange, SharePoint, Hyper-V, Unix/Linux

**Data Center:** vPC, VDC, VXLAN, NX-OS, SAN, FCoE, iSCSI, NFS, CIFS, Cisco UCS, Cisco Nexus Switch,

**Network:** VLAN, OSPF, BGP,MPLS, NAT/PAT, IPSEC, Switches, Routers, Firewalls

**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.
* 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 2015-2016**

* Ensure the availability, scalability, performance, and security of company’s cloud computing infrastructure.
* Design and implement Windows and Unix/Linux-based IT solutions supporting the company’s strategic vision, end-user requirements, and wider best practices.

Project: Design and Implement VMware vCloud

Technology: VMware vCenter/ESXi, Windows Server 2012, Active Directory, GPO, 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

Technology: 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

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

**ADR (Accurate Data Recovery), Toronto, Ontario System Administrator 2012-2015**

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

Project Migrate Windows Server 2003 to Windows Server 2012

Technology: Windows Server 2012/2003, Active Directory, FSMO roles, Schema master, Domain naming master, RID master, PDC emulator, Infrastructure master, Group Policy, DNS, DHCP, WINS

Project: Build OpenStack Private Cloud in VMware

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

**RBC Financial Group, Toronto, Ontario Technical Analyst 2011**

* Ensure the availability, scalability, performance, and security of company’s cloud computing infrastructure.
* Design and implement Windows and Unix/Linux-based IT solutions supporting the company’s strategic vision, end-user requirements, and wider best practices.

Project: Deploy Servers in VMware

Technology: 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

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

Project: Automate daily report from Oracle BI to SharePoint

Technology: MS System Center, Windows Server 2008, Active Directory, PowerShell, SharePoint, Oracle BI, C#

**World Service Cargo, Toronto, Ontario System Administrator 2009**

* Ensure the availability, scalability, performance, and security of company’s computing infrastructure.
* Design and implement Windows and Unix/Linux-based IT solutions supporting the company’s strategic vision, end-user requirements, and wider best practices.

Project: Enhance Wireless Network Security.

Technology: OSPF, VLAN, Windows Server 2008, Active Directory, Group Policy, PKI, 802.11a/b/g

Device: Cisco 800/ASR 1000, Cisco Catalyst 6880-X/3850/2960-X Switch

**A2AWeb Solution Inc., Toronto, Ontario Web Developer 2008-2009**

* 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 Administrator 1998-2008**

* Ensure the availability, scalability, performance, and security of company’s computing infrastructure.
* Design and implement Windows and Unix/Linux-based IT solutions supporting the company’s strategic vision, end-user requirements, and wider best practices.

Project: Internet service network system Extension

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

Devices: Routers, Switches, Firewall

Project: Build Telecom Data Center

Technology: BGP, OSPF, VLAN, VMware ESX, Windows/Linux Server, Active Directory, Group Policy

Device: Cisco 800/ASR 1000, Cisco Catalyst 6880-X/3850/2960-X Switch

**EDUCATION:**

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