# Peter Charles

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Network System Administrator

**SUMMARY:**

* Bachelor's Degree of Computer and Communication Networks
* 5+ years’ experience of Windows, Unix/Linux, Network administration
* 5+ year Hypervisor expertise in VMware,
* Certifications for Windows Server, Network, VMware, Storage, Data Center, Java, and Telecom, such as VCP, MCSE, and CCNP.

**Technologies**

**VMware:** VMware vCenter Converter, ESXi

**Cloud:** Microsoft Azure Cloud, Office 365, VMware Cloud, AWS, OpenStack, Google Cloud Platform

**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

**DevOps:** Ansible, Python

**PROFESSIONAL EXPERIENCE:**

**Centennial College, Toronto, Ontario System Administrator 2015-2016**

* Provisioning, installation/configuration, operation, and maintenance of systems hardware and operating software and related infrastructure.
* Diagnosing and resolving performance issues to ensure optimal performance and reliability
* Planning updates and maintenance of hardware and software resources

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**

* Provisioning, installation/configuration, operation, and maintenance of systems hardware and operating software and related infrastructure.
* Diagnosing and resolving performance issues to ensure optimal performance and reliability
* Planning updates and maintenance of hardware and software resources
* 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 System Administrator 2011**

* Provisioning, installation/configuration, operation, and maintenance of systems hardware and operating software and related infrastructure.
* Diagnosing and resolving performance issues to ensure optimal performance and reliability
* Planning updates and maintenance of hardware and software resources

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#

**China Telecom, China Senior Network Administrator 2003-2008**

* Provisioning, installation/configuration, operation, and maintenance of systems hardware and operating software and related infrastructure.
* Diagnosing and resolving performance issues to ensure optimal performance and reliability
* Planning updates and maintenance of hardware and software resources

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/Certifications:**

* Computer and Communication Networks, Bachelor's Degree, Centennial College
* Computer Systems Technology – Networking , Advanced Diploma, Centennial College

**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 Server**

* 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.

**Java**

* SCJP (Sun Certified Java Programmer), Sun microsystems

**Telecom**

* Senior Telecom Engineer, China Telecom

The 21st – Century Elite, China Telecom