



Network  
Nites  
LOVE LEARN LINUX

# LINUX ADMINISTRATION & AWS CERTIFIED SOLUTIONS ARCHITECT

**Not Just a Simple Linux Admin.  
Be a Linux Administrator and AWS Certified Expert**

# N O W

01

**Linux Evolution and Popular Operating Systems**

Open Source Philosophy. Distributions - Debian, Ubuntu (LTS), RedHat, CentOS

02

**Information & Communication Technology (ICT) Skills &**

**Working in Linux** - Desktop Skills, Getting to the Command Line  
Industry uses of Linux, Cloud Computing and Virtualization

03

**Finding way on a Linux System** - mv, cp, rm, touch, mkdir, rmdir

04

**Archiving Files on the Command Line** - tar, gzip, bzip, zip

05

**Searching Extracting Data from Files** - grep, less, cat, head, tail, sort, cut

06

**Where Data is Stored** - ps, top, free, syslog, dmesg, /etc/, /var/log/, /boot/, /proc/, /dev/, /sys/, fdisk, mkfs, /etc/fstab, mount, lsblk, blkid, lvm

07

**Your Computer on the Network** - route, ip route show, ifconfig, ip addr show, netstat, ip route show, /etc/resolv.conf, /etc/hosts, IPv4, IPv6, ping, ping6, host

08

**Security & File Permissions** - /etc/shadow, /etc/group, id, who, w, sudo, su, visudo

09

**Creating Users & Groups** - /etc/passwd, /etc/shadow, /etc/group, /etc/skel/, last, useradd, groupadd, passwd, chage

10

**Managing File Permissions** - chmod, chown, special permissions, acl

LINUX

01

### Introduction to AWS

AWS Fundamentals. AWS Cloud Computing Platform

02

### Amazon Simple Storage Service (Amazon S3) and Amazon

Glacier Storage - Introduction | Object Storage versus Traditional Block and File Storage | Amazon Simple Storage Service (Amazon S3) Basics | Buckets | Amazon S3 Advanced Features | Amazon Glacier

03

### Amazon Elastic Compute Cloud (Amazon EC2) and Amazon

Elastic Block Store (Amazon EBS) - Amazon Elastic Compute Cloud (Amazon EC2) | Amazon Elastic Block Store (Amazon EBS)

04

### Amazon Virtual Private Cloud (Amazon VPC) - Amazon Virtual

Private Cloud (Amazon VPC) | Subnets | Route Tables | Internet Gateways | Dynamic Host Configuration Protocol (DHCP) Option Sets | Elastic IP Addresses (EIPs) | Elastic Network Interfaces (ENIs) | Peering | Security Groups | Network Access Control Lists (ACLs) | NAT Gateways

05

### Elastic Load Balancing, Amazon CloudWatch & Auto Scaling -

Elastic Load Balancing | Amazon CloudWatch | Auto Scaling

06

### AWS Identity and Access Management (IAM) - Principals |

Authentication | Authorization | Roles | MFA Authentication

07

### Databases and AWS - Amazon Relational Database Service

(Amazon RDS) | Amazon Redshift | Amazon DynamoDB

08

### SQS, SWF, and SNS - Amazon Simple Queue Service (Amazon

SQS) | Amazon Simple Workflow Service (Amazon SWF) | Amazon Simple Notification Service (Amazon SNS)

09

### Domain Name System (DNS) and Amazon Route 53 -

Domain Name System (DNS) | Amazon Route 53 Policies

10

### Security on AWS - Introduction | Shared Responsibility Model |

AWS Compliance Program | Global Infrastructure Security | AWS Account Security Features | AWS Cloud Service-Specific Security

11

**AWS DevOps & BigData Support** - OpsWorks | Big Data support on AWS