# Linux Academy
## Visual Course Guide

# *Linux Academy:*

## Professional Certification Prep Courses

# Linux Academy

## Diagram Key

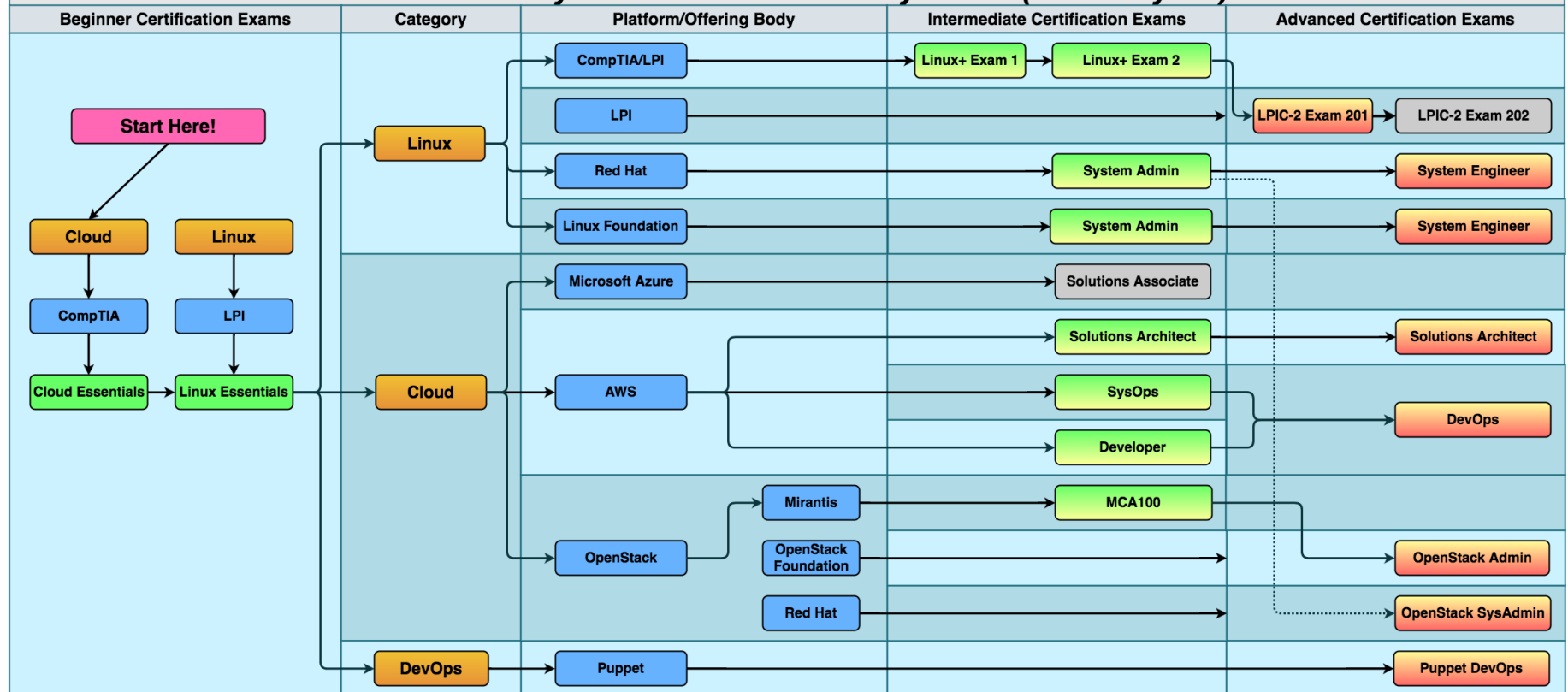| Category | Platform | Beginner Course | Intermediate Course | Advanced Course | Coming Soon | Cross Category Prerequisite |

## LinuxAcademy.com Certification Only Paths (linear layout)

| Beginner Certification Exams | Category | Platform/Offering Body | Intermediate Certification Exams | Advanced Certification Exams |
|---|---|---|---|---|

**Start Here!**

Cloud → CompTIA → Cloud Essentials

Linux → LPI → Linux Essentials

Cloud Essentials → Linux Essentials

### Linux
- CompTIA/LPI → Linux+ Exam 1 → Linux+ Exam 2
- LPI → LPIC-2 Exam 201 → LPIC-2 Exam 202
- Red Hat → System Admin → System Engineer
- Linux Foundation → System Admin → System Engineer

### Cloud
- Microsoft Azure → Solutions Associate
- AWS → Solutions Architect → Solutions Architect
- AWS → SysOps → DevOps
- AWS → Developer
- OpenStack → Mirantis → MCA100
- OpenStack → OpenStack Foundation → OpenStack Admin
- OpenStack → Red Hat → OpenStack SysAdmin

### DevOps
- Puppet → Puppet DevOps

# Linux Academy

# *Linux Academy:*

# Professional Certification Prep Courses

**(example with shading to focus on a specific "path" -
I am happy to make a custom version for you)**

# Linux Academy

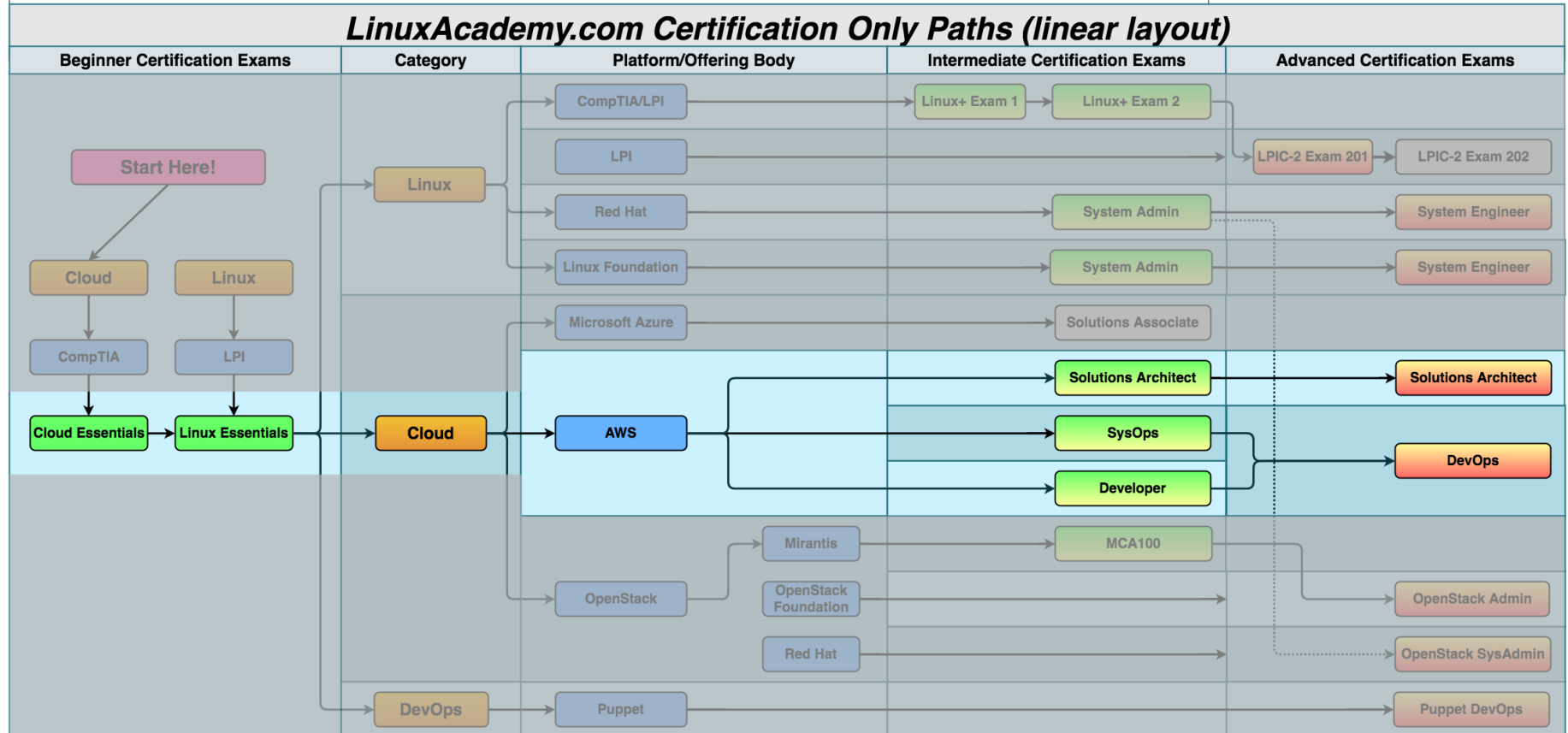## Diagram Key

| Category | Platform | Beginner Course | Intermediate Course | Advanced Course | Coming Soon | ···· Cross Category Prerequisite |
|---|---|---|---|---|---|---|

## LinuxAcademy.com Certification Only Paths (linear layout)

| Beginner Certification Exams | Category | Platform/Offering Body | Intermediate Certification Exams | Advanced Certification Exams |
|---|---|---|---|---|
| | | CompTIA/LPI | Linux+ Exam 1 → Linux+ Exam 2 | |
| | Linux | LPI | | LPIC-2 Exam 201 → LPIC-2 Exam 202 |
| Start Here! | | Red Hat | System Admin | System Engineer |
| | | Linux Foundation | System Admin | System Engineer |
| Cloud    Linux | | Microsoft Azure | Solutions Associate | |
| CompTIA    LPI | Cloud | AWS | Solutions Architect | Solutions Architect |
| Cloud Essentials → Linux Essentials | | | SysOps | DevOps |
| | | | Developer | |
| | OpenStack | Mirantis | MCA100 | |
| | | OpenStack Foundation | | OpenStack Admin |
| | | Red Hat | | OpenStack SysAdmin |
| | DevOps | Puppet | | Puppet DevOps |

# *Linux Academy:*

## Non-Certification
## Skill Development Courses

# Linux Academy

## Diagram Key

| | |
|---|---|
| **Category** | (orange) |
| **Skill Group** | (blue) |
| **Beginner Level Course** — Prerequisite: None | (green) |
| **Intermediate Level Course** — Prerequisite: Linux Essentials Certification | (green/yellow) |
| **Advanced Level Course** — Prerequisite: Any Intermediate Linux Certification | (orange/red) |
| **Coming Soon** | (gray) |

**Linux Non-Certification Skill Development Courses**

### Scripting
- Learning Python Development
- Introduction to Python on Linux
- Introduction to Ruby Programming Language on Linux
- VIM - The Improved Editor
- The Systems Administrator's Guide to Bash Scripting

### General Knowledge
- Linux by Example for Novices to Pros
- Mastering the Linux Command Line
- Introduction to Linux with Ubuntu 14 Desktop

### Employment
- How to get a Linux Job

### Development
- Git - Quick Start
- Git and Git Lab - Start to Finish
- Introduction to Android Development

### Distro Specific
- CentOS 7: Enterprise Linux Server Update

### Database Management
- SQL Primer
- PostgreSQL 9.4 Administrator

### Virtualization
- Introduction to VMware ESXi
- Linux KVM Virtualization Essentials

### Web Hosting
- Apache Tomcat 7 Application Server
- Apache Tomcat 8 Application Server
- Nginx and the LEMP Stack

# Linux Academy

## Diagram Key

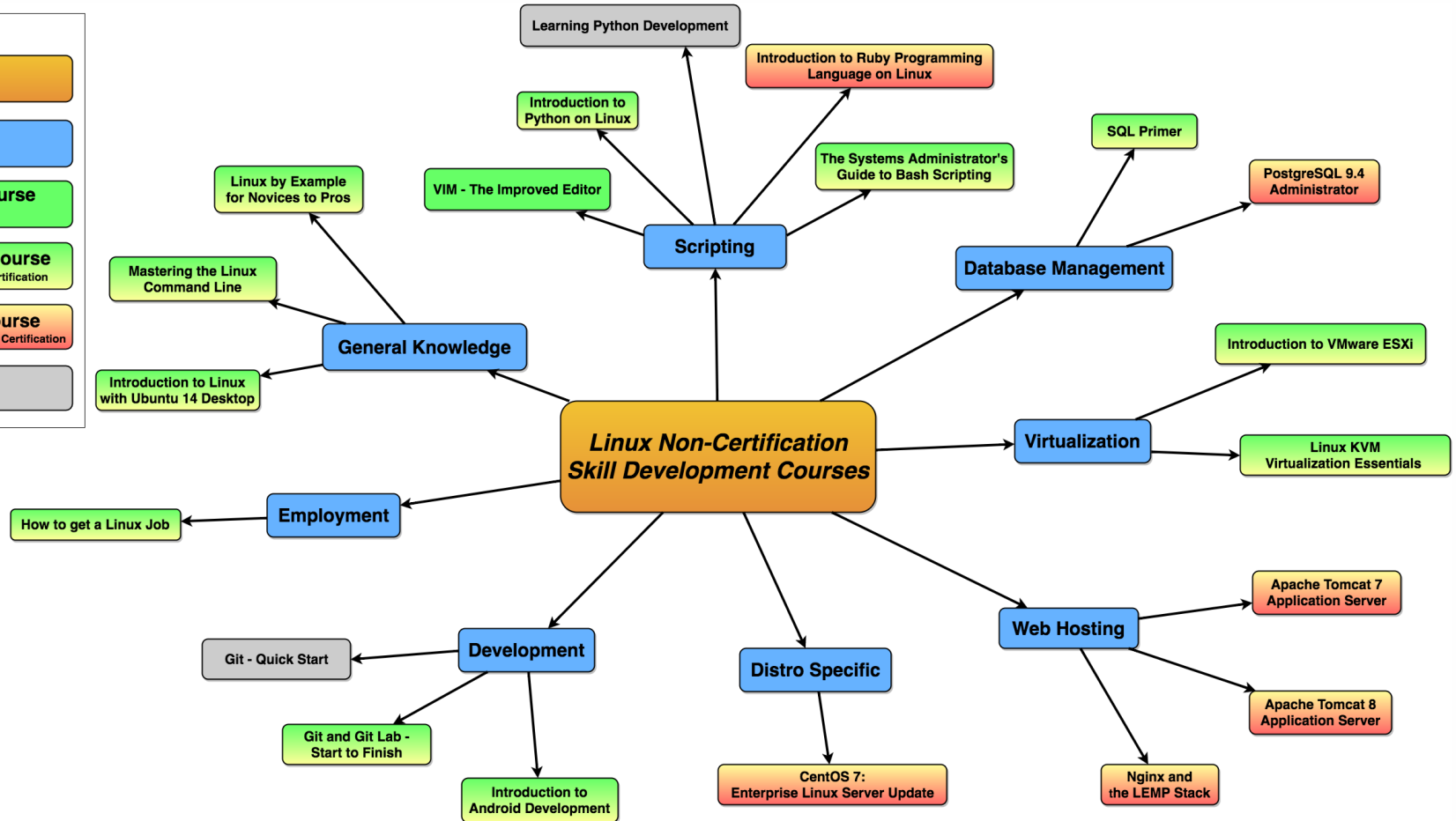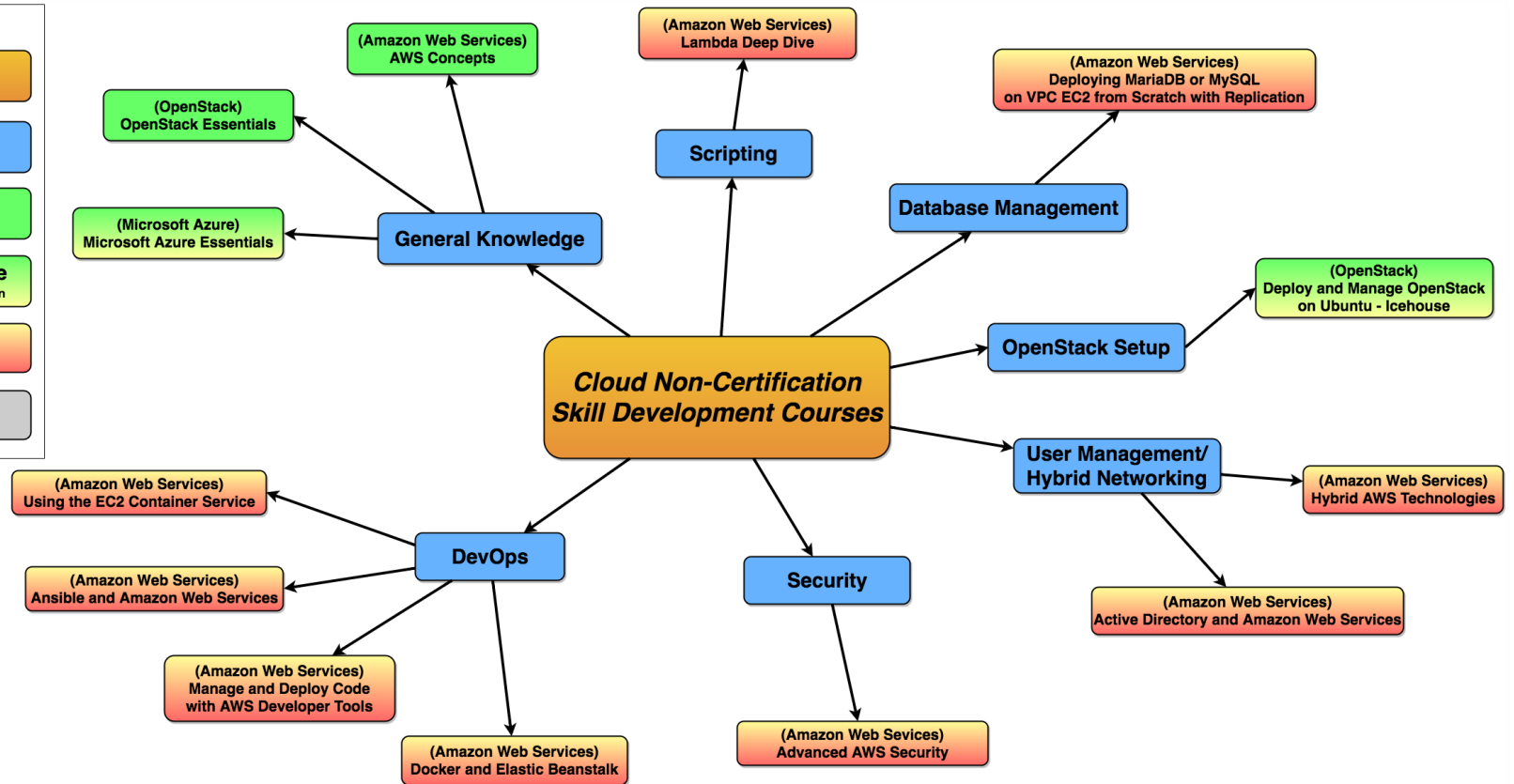| |
|---|
| **Category** |
| **Skill Group** |
| **Beginner Level Course** <br> Prerequisite: None |
| **Intermediate Level Course** <br> Prerequisite: Cloud Essentials Certification |
| **Advanced Level Course** <br> Prerequisite: Any AWS Certification |
| **Coming Soon** |

**Cloud Non-Certification Skill Development Courses**

**General Knowledge**
- (Amazon Web Services) AWS Concepts
- (OpenStack) OpenStack Essentials
- (Microsoft Azure) Microsoft Azure Essentials

**Scripting**
- (Amazon Web Services) Lambda Deep Dive

**Database Management**
- (Amazon Web Services) Deploying MariaDB or MySQL on VPC EC2 from Scratch with Replication

**OpenStack Setup**
- (OpenStack) Deploy and Manage OpenStack on Ubuntu - Icehouse

**User Management/ Hybrid Networking**
- (Amazon Web Services) Hybrid AWS Technologies
- (Amazon Web Services) Active Directory and Amazon Web Services

**Security**
- (Amazon Web Sevices) Advanced AWS Security

**DevOps**
- (Amazon Web Services) Using the EC2 Container Service
- (Amazon Web Services) Ansible and Amazon Web Services
- (Amazon Web Services) Manage and Deploy Code with AWS Developer Tools
- (Amazon Web Services) Docker and Elastic Beanstalk

# Linux Academy

## Diagram Key

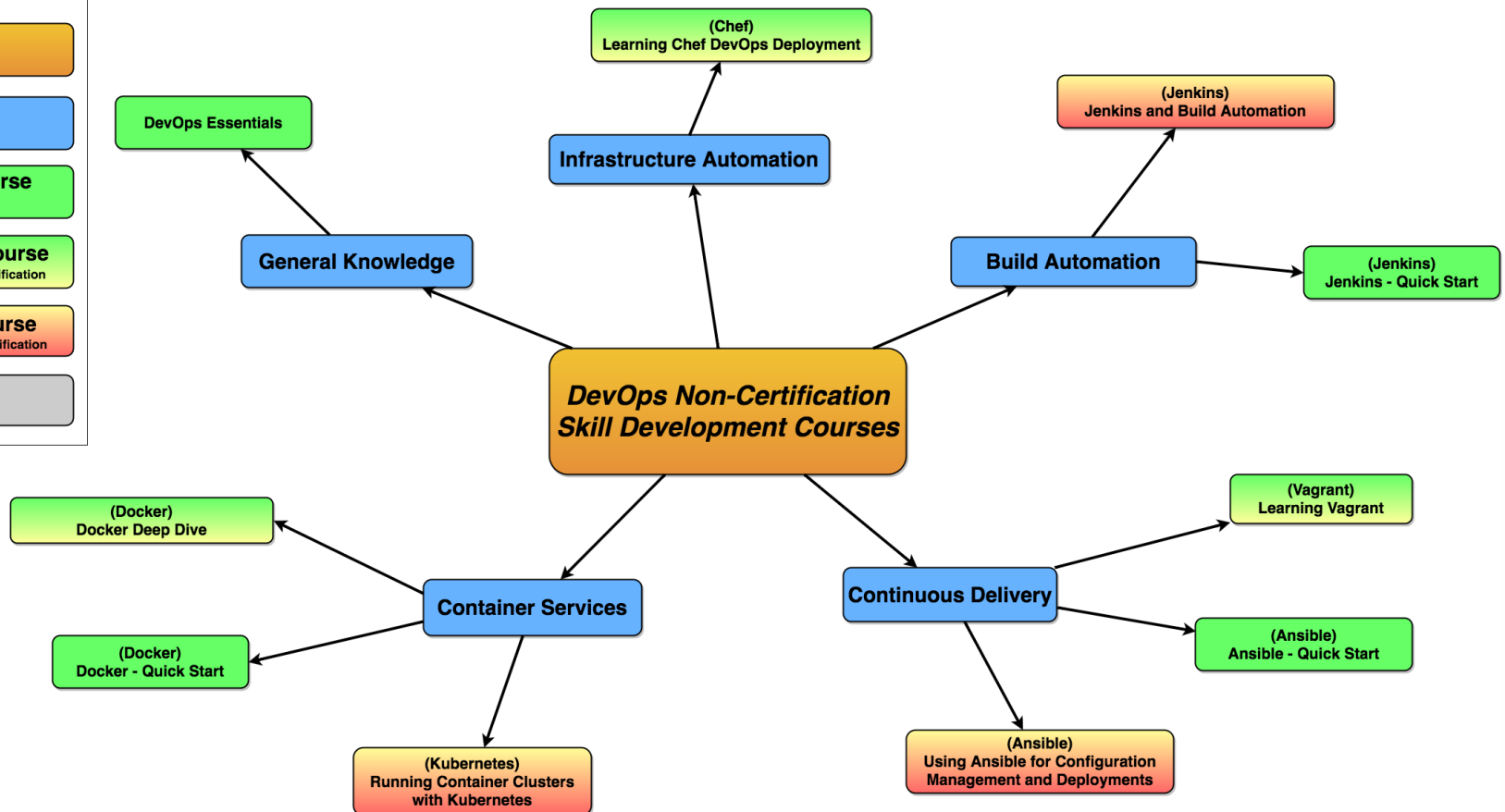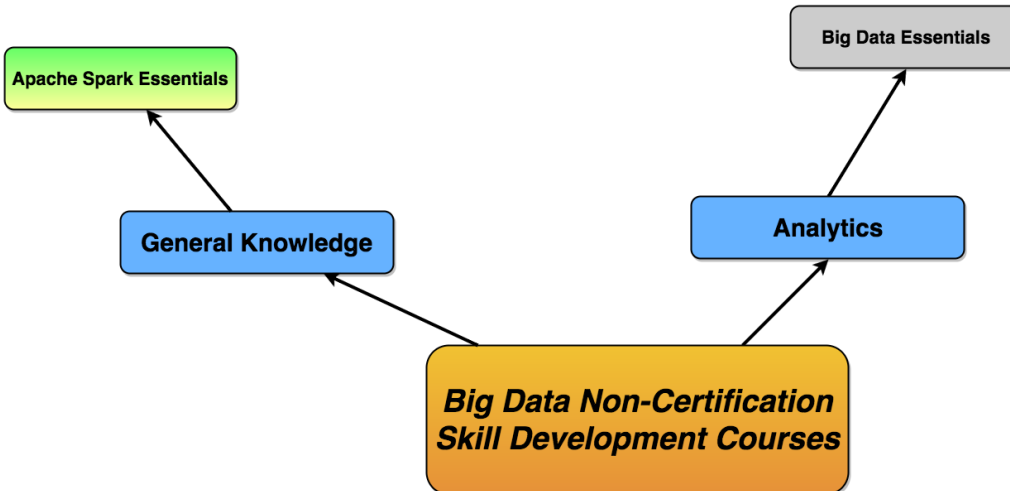| | |
|---|---|
| **Category** | |
| **Skill Group** | |
| **Beginner Level Course** — Prerequisite: None | |
| **Intermediate Level Course** — Prerequisite: Linux Essentials Certification | |
| **Advanced Level Course** — Prerequisite: Any Intermediate Certification | |
| **Coming Soon** | |

**DevOps Non-Certification Skill Development Courses**

**General Knowledge**
- DevOps Essentials

**Infrastructure Automation**
- (Chef) Learning Chef DevOps Deployment

**Build Automation**
- (Jenkins) Jenkins and Build Automation
- (Jenkins) Jenkins - Quick Start

**Container Services**
- (Docker) Docker Deep Dive
- (Docker) Docker - Quick Start
- (Kubernetes) Running Container Clusters with Kubernetes

**Continuous Delivery**
- (Vagrant) Learning Vagrant
- (Ansible) Ansible - Quick Start
- (Ansible) Using Ansible for Configuration Management and Deployments

# Linux Academy

## Diagram Key

| | |
|---|---|
| **Category** | |
| **Skill Group** | |
| **Beginner Level Course**<br>Prerequisite: None | |
| **Intermediate Level Course**<br>Prerequisite: Linux Essentials Certification | |
| **Advanced Level Course**<br>Prerequisite: Any Intermediate Linux Certification | |
| **Coming Soon** | |

**Apache Spark Essentials**

**Big Data Essentials**

**General Knowledge**

**Analytics**

**Big Data Non-Certification Skill Development Courses**

# *Linux Academy:*

# Cloud Credentials
## (Measure your expertise and knowledge)

# Linux Academy

## Diagram Key

| Category |
|---|

| Skill Group |
|---|

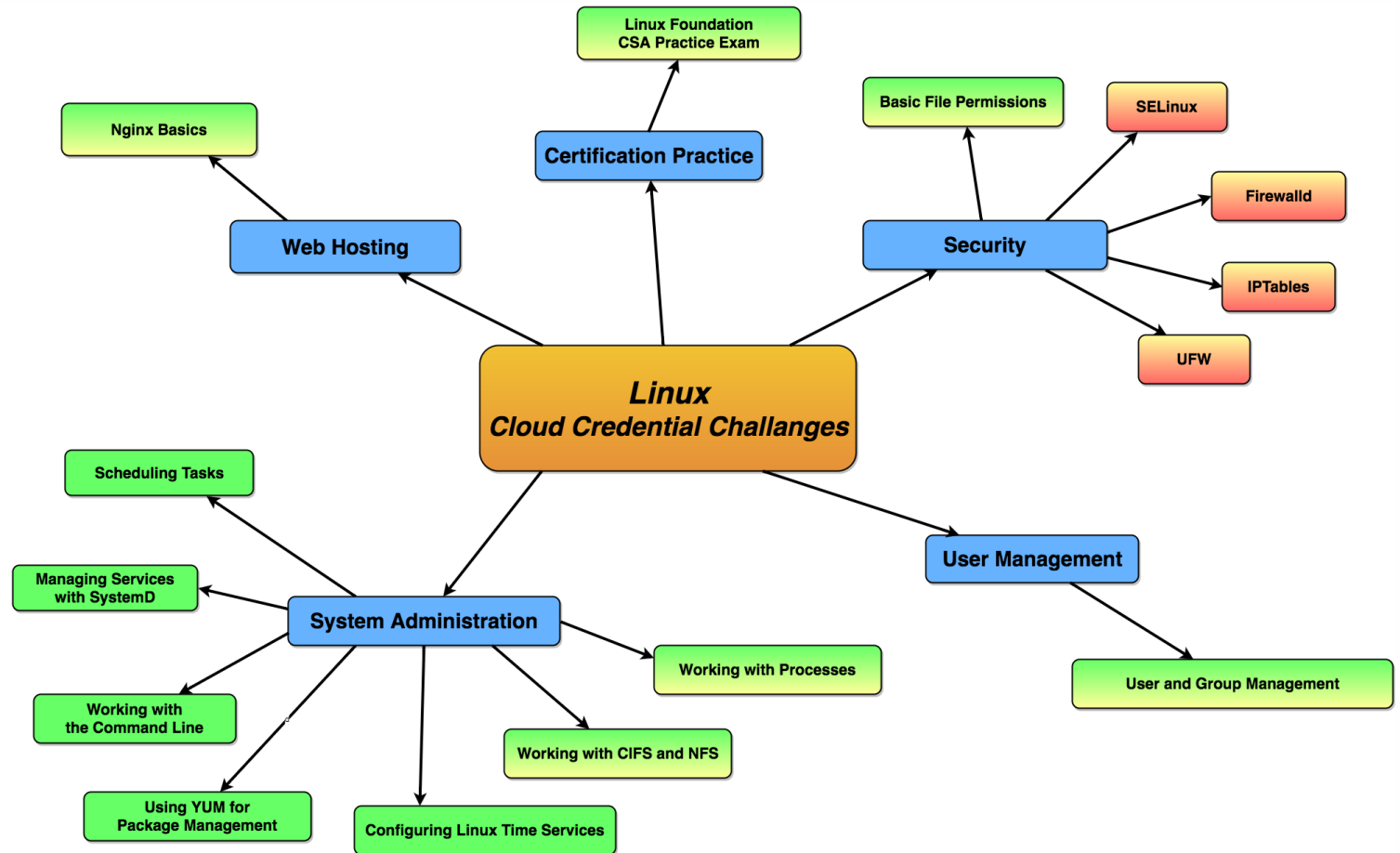| **Beginner Cloud Credential**<br>Prerequisite: Linux Essentials Certification |
|---|

| **Intermediate Cloud Credential**<br>Prerequisite: Any Intermediate Linux Certification |
|---|

| **Advanced Cloud Credential**<br>Prerequisite: Any Advanced Linux Certification |
|---|

| Coming Soon |
|---|

## Linux Cloud Credential Challanges

- **Certification Practice**
  - Linux Foundation CSA Practice Exam

- **Web Hosting**
  - Nginx Basics

- **Security**
  - Basic File Permissions
  - SELinux
  - Firewalld
  - IPTables
  - UFW

- **User Management**
  - User and Group Management

- **System Administration**
  - Scheduling Tasks
  - Managing Services with SystemD
  - Working with the Command Line
  - Using YUM for Package Management
  - Configuring Linux Time Services
  - Working with CIFS and NFS
  - Working with Processes