

Course: **EDU-CPE** (ClearPass Essentials)

Duration: 5 (five) days

COURSE OVERVIEW

ClearPass Essentials: The ClearPass Essentials course provides you with a foundation in Network Access Control using ClearPass product portfolio. This course covers in depth configuration of ClearPass policy manager with a focus on Enforcement and Device Profiling. The course also includes setup and configuration details of primary applications of ClearPass Guest like guest web login pages, guest self-registration; Device provisioning using OnBoard and client Posture analysis using OnGuard. The 5 day course offers hands on experience with the ClearPass 6.3 system.

COURSE AGENDA

DAY 1

- Module 1: Intro to Clearpass
Intro to Clearpass
Setup and Installation
- Module 2: for AAA
Intro to Clearpass for AAA
Authentication & Security Concepts NADs
- Lab 1: 802.1x with Local User
Monitoring & Troubleshooting
- Lab 2: Troubleshooting

DAY 2

- Insight reporting
- Lab 3: Insight Reportin
- Module 3: External Authentication
Active Directory
- Lab 4: 802.1x with AD
External Auth Deep Dive
- Module 4: Guest
Intro to Guest
Configuring NADs for Guest
- Lab 5: Guest
Guest Manager Deep Dive
Web Login Deep Dive
Self-Registration Deep Dive

DAY 3

- Sponsor Approval
- Lab 6: Sponsor Approval
MAC Caching
- Lab 7: MAC Caching
- Module 5: Onboard
Intro to Onboard

DAY 3

- Lab 8: Onboard
Basic Onboard Setup
Onboard Deep Dive
Single SSID Onboarding
Dual SSID Onboarding

DAY 4

- Module 6: Endpoint Analysis
Intro to Profiling
- Lab 9: Profiling on Guest networks
Endpoint Analysis Deep Dive
- Lab 10: Profiling on 802.1x networks
- Module 7: Posture
Intro to Posture
- Lab 11: Posture Health Collection
Onguard Deep Dive
- Lab 12: Posture Enforcement
- Lab 13: Wired 801.x
- Module 8: Operations & Admin Users
Operations

DAY 5

- Admin Users
- Lab 14: TACACS+ Admin
- Module 9: Clustering & Redundancy
Clustering
Redundancy
- Lab 15: Clustering & Redundancy
- Module 10: Licensing
- Module 11: Single Sign-On
- Module 12: Clearpass Exchange
- Module 13: Final Case Study