

CLUDERA UNIVERSITY SECURITY TRAINING - ONDEMAND

Security Overview

- What Is Security?
- The Need for Security
- Key Principles
- Threat Assessment
- Risk Management

Security Architecture

- Scenario Explanation
- Assessing Cluster Security

Host Security

- General Server Hardening
- Recommendations
- System Entropy
- Access Control
- Host Firewalls
- Host-Level Monitoring

Encrypting Data In Motion

- Encryption Fundamentals
- Certificates
- Configuring Cloudera Manager for TLS

Authentication

- Hadoop Authentication Fundamentals
- Kerberos
- Active Directory
- Browser-Based Authentication
- Encrypting Hadoop Data in Motion

Authorization

- Authorization Mechanisms
- Cloudera Manager Authorization
- YARN Authorization
- HDFS Authorization
- Apache Sentry

Encrypting Data at Rest

- Overview of HDFS Encryption
- Encrypting Data Outside of HDFS
- Hardware Security Modules

Additional Considerations

- Auditing
- Data Governance and Lineage Business Continuity and Disaster
- Recovery