EKA | CyberLock

Cyberaudit-Web Enterprise

Systems Architecture Document

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CyberAudit Web System Architecture

System Description:

CyberAudit-Web Enterprise is a web-based application for managing CyberLock installations running on CentOS Linux. It is accessible through a web browser on any system that can connect to the CyberAudit-Web Enterprise server, without further needing to install any client-side software. The server is configured to accept https (TCP Port 443) connections from web browsers using TLS and SHA-256 certificates. Due to the deprecation of several SSL protocols CyberAudit-Web Enterprise servers running on Windows are no longer available.

This document is specific to the Generation 2 enabled build of CyberAudit-Web Enterprise.

Server Specifications:

CyberAudit-Web Enterprise can be deployed in several ways. EKA can provide a preconfigured physical server, EKA can supply a preconfigured virtual machine image. EKA can also provide hosting via the Amazon Web Services EC2 virtual cloud environment. When hosted on AWS an appropriately sized EC2 instance will be chosen by EKA.

CyberAudit-Web Enterprise hardware requirements scale as follows:

Up to 500 Locks : 2 CPU Cores, 8GB RAM
Up to 5000 Locks : 2 CPU Cores, 16GB RAM
Up to 15000 Locks : 4 CPU Cores, 32GB RAM

Disk space requirements are 60GB for all options.

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Software Components:

CyberAudit-Web Enterprise systems contain the following software components. Please note that software subversions are not specified but can be supplied if requested.

Operating System
CentOS 6.10, 7 by year-end

Web Server
Apache Tomcat 6.0

NGINX 1.14

Apache HTTPD 2.2

Database Server
MariaDB 10.1

Additional Packages:
OpenJDK 1.7