



Eureka Labs

Glossary

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1. Definitions

Term	Definition
Active User	Content creators and instructors in the system.
Certbot	Let's Encrypt Python application that will install and keep updated the TLS certificate.
Content Creator	Professor who will publish their labs on the system.
CRUD	Create, Read, Update, and Delete
Database	Collection of all the information monitored by this system.
DNS	Domain Name System, the method in which alphanumeric URLs are converted to IP addresses.
Educator	Professors who will use the system for their classes.
FQDN	Fully Qualified Domain Name - the name of the server. Ex. www.eurekalabs.net or db1.eurekalabs.net.
HTTP	HyperText Transfer Protocol - the method and language used to present web pages for the application.
HTTPS	HyperText Transfer Protocol Secure - the secure method of serving web pages.
Let's Encrypt	a free, automated, and open certificate authority for issuing TLS certificates.
MongoDB	The database that the application uses. There are several parts that are installed on the web server and the full install is on the database server.
NGINX	web server application.
Pip	a package installer for Python. It pulls from the Python Package Index.
PPA	Personal Package Archive - A third party archive for APT to get installation files.
Sendgrid	a web based email platform used to send outgoing emails from the application.
System administrator	A user that has CRUD privileges to all user types and all labs.
Student User	Student who will use the system for learning.
TLS	Transport Layer Security - this is used for serving HTTPS web pages.

Ubuntu	the operating system used for the servers. Currently using 18.04 LTS.
Vim	a linux text editing program.
VM	Virtual Machine, a computer in a virtualized environment (AWS, VMWare).