

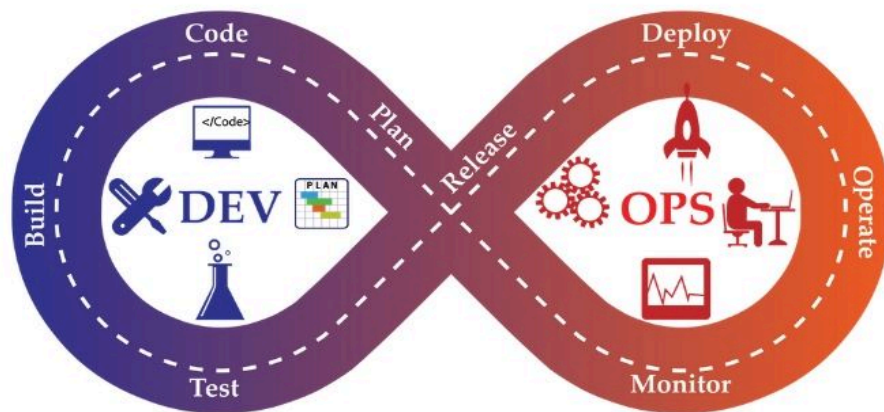


Real Time College

Course: DevOps

Duration: 595 Hours

Hands-On Training: 60%

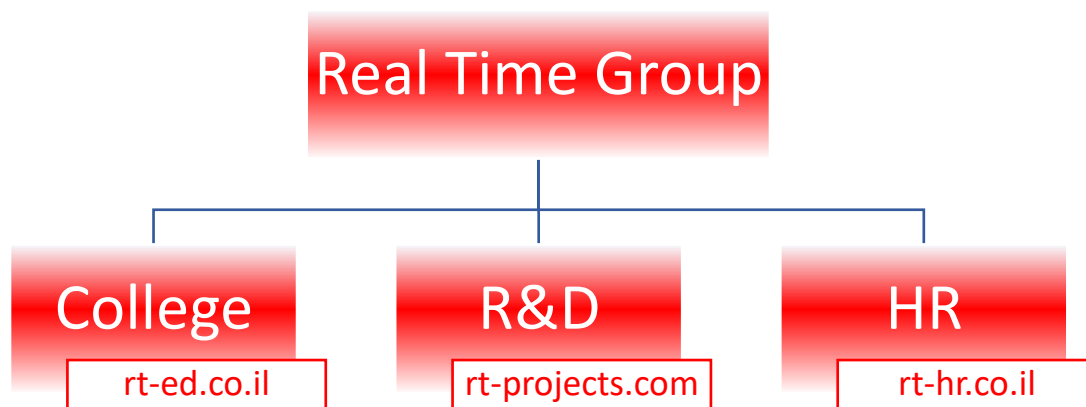




Real Time Group is a multi-disciplinary dynamic and innovative Software Solutions Center, established in 2007.

Providing Embedded Linux solutions, professional IT services and consulting, end-to-end flexible system infrastructure, outsourcing, integration and training services for Hardware and Software industries.

The company is divided into the following three Divisions:



Training Division.

Professional Training Services for Hardware, Software, RT Embedded, Cyber and IT industries.

We provide the knowledge and experience needed to enable professional personal to Develop, Integrate and QA Hardware, Software and Networking Projects.

Throughout the course we will be using the latest DevOps, QA and Automation equipment which are adopted by the industry.

All students are supplied with necessary equipment (i.e. software license, AWS Account, etc) for Class -work \ Home-work and course projects.

Course Overview:

The goal of this course is to make you an individual expert in all DevOps life cycle. Whether you have Past experience in IT, software development or operations.

This DevOps Training is intended to make you a master in the various aspects of the continuous development and deployment, software development operations, continuous integration, Web development, automation of configuration management.

In addition, During the course you will gain Hands On experience using various tools like Git, Jenkins, Docker and Kubernetes, Ansible, AWS, Zabbix and much more.

Who should attend:

- System Administrators.
- QA engineers.
- Linux Administrators.
- Team leader who wish to participate in DevOps projects.
- Linux system programmers / engineers.
- Newbies' who wish to learn Devops (as a new trade).

Prerequisite:

- Experience writing scripts.
- Linux Basic Knowledge.
- Personal Interview.

DevOps Course Curriculum

The following table concludes the list of Software oriented courses in the Track, with a short description and course length.

Feel free to click on the required course name for an elaborated Syllabus per course.

Linux / Unix + BASH	Provides a comprehensive guide to Linux™, learn how to manage files and directories, Linux security mechanisms, design and write shell programs of high complexity, manage multiple concurrent processes and more.	75
SQL	Learn how to use SQL to store, query, and manipulate data. SQL is a special-purpose programming language designed for managing data in a relational database and is used by a huge number of apps and organizations.	40
Python	Focusing on Python 3, aiming to provide you with the knowledge and experience needed in order to program Object Oriented real industry applications.	90
Networking	Introducing the key concept and devices in packet switching networks, the bits and bytes of LANs \ WANs, the structure and function of network architectures and protocols used in networking.	60
Version Control	This course will teach you a basic workflow and core features, different ways to undo changes or save multiple versions of a project, and how to collaborate with other developers and more.	30

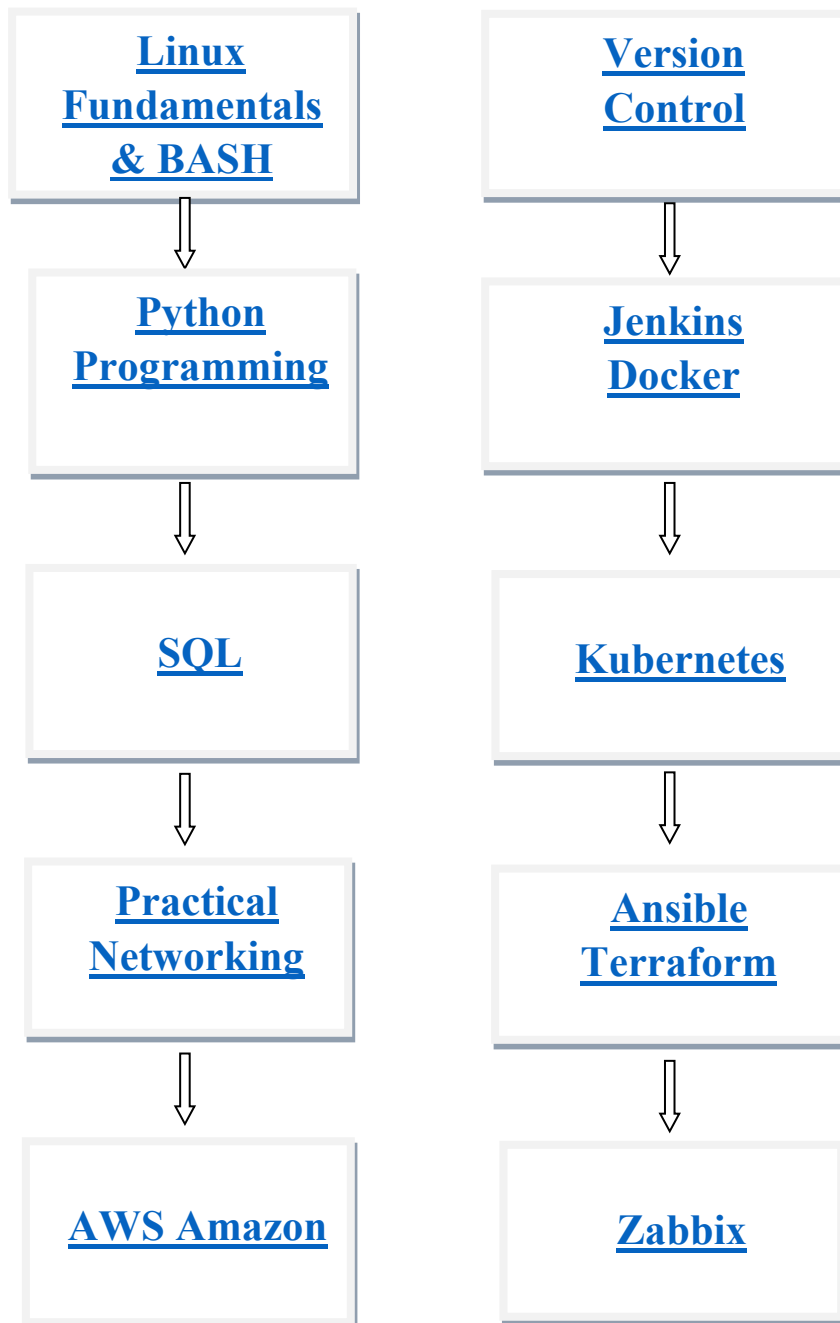
The following table concludes the list of CI (Continues Integration) and CD (Continuous Development) courses in the Track.

If you already have experience with the courses in the previous part, you can register to the courses in this part of the program aka Devops Short Track .

Feel free to click on the required course name for an elaborated Syllabus per course.

Continuous Integration (CI)	Jenkins	30
Continuous Integration (CI)	Docker	30
Container Orchestration	Kubernetes	30
Configuration Management	Ansible	25
Configuration Monitoring	Monitoring Tools Zabbix	25
Cloud Services	AWS – Amazon Web Services	35
Monitoring	Terraform	20
Final Project		100
Total Hours	495 Course Length +100 Final Project + 1 on 1 whenever needed + 3 to 6 Months Internship	

The following Block Diagram concludes the order of the courses in the Track.
 Feel free to click on the required course name for a detailed description.



הערות:

- פתיחת המסלול מותנה במספר נרשמים.
- דמי הרשמה אינם מוחזרים אלא במקרה של אי פתיחת מסלול ע"י המכללה.
- כלל הכתוב והמשתמע מהסילבוס הינו בכפוף לתקנון המכללה.
- המכללה מביאה ידעתם של תלמידים שיתכנו שינויים בתוכן הקורסים ובמועדם
- המכללה מתחייבת להודיע לתלמידים על כל שינוי.
- המכללה שומרת לעצמה את הזכות לשנות את תכני המסלול בהתאם לשיקול דעתה הבלעדית.

