



# **Real Time College**

**Course: Development to production**

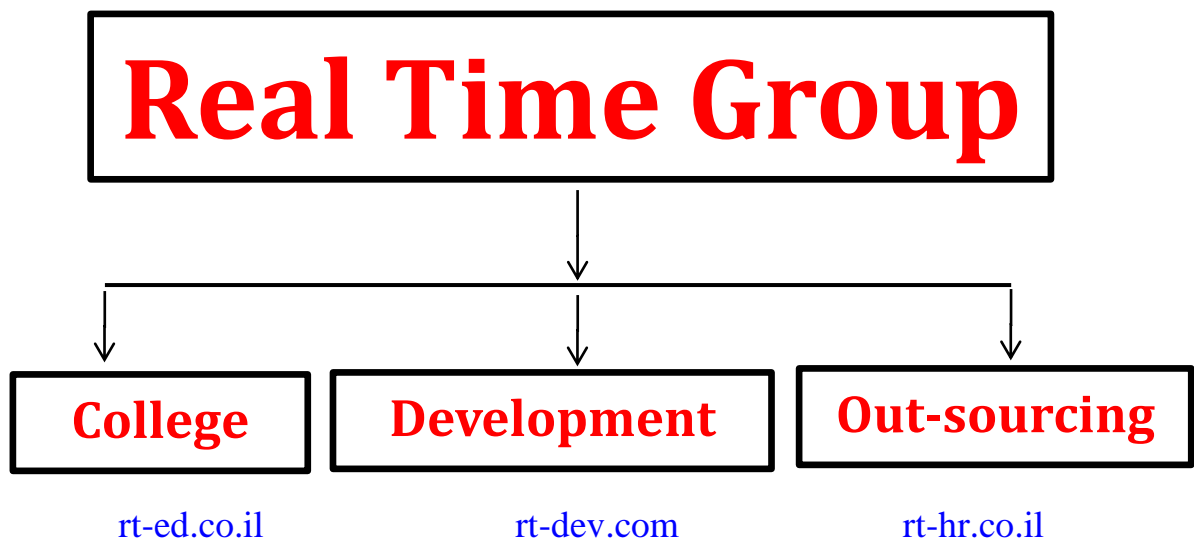
**Duration:** 10 Hours

Hands-On-Training: 50 %

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

Providing Bare-Metal and Embedded Linux solutions, professional services and consulting, end-to-end flexible system infrastructure, outsourcing, integration and training services for Hardware, Software and RT-OS \ Embedded Systems.

The company is divided into the following three Divisions:



### Training Division:

Professional Training Services for Hardware, Software, RT-OS and Embedded systems industries.

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

In order to insure experience, all courses are practical – hands-on-training. The latest Development, QA and Automation equipment which are adopted by the industry are used.

All students are supplied with Development-Boards for home-work and course projects.

## **Course Overview:**

This course will help you get practice to upload your Web Application on Cloud and run it as service in secure mode

## **Who should attend:**

- Developers of WEB applications client side.
- Developers of WEB applications sever side.

## **Prerequisite:**

- Understand how HTTP/HTTPS communication works
- Knowledge of Linux
- Node JS, Angular/React experience

## **1 Server Creation**

- a. Choose a server types and operating systems
- b. Create Domain Name
- c. DNS record

## **2 Linux Server Configuration**

- a. User management
- b. Firewall UFW
- c. Iptables redirection

## **3 Server Software Installation**

- a. Mongo DB installation
- b. My SQL installation
- c. Node JS installation

## **4 Server HTTPS configuration**

- a. Running Node JS server on certification mode
- b. Creating Certificates using Lets Encrypt
- c. Running Node JS server on HTTP/HTTPS mode

## 5 Application Uploading

- a. Upload from GIT repository
- b. Upload from Developer server
- c. Data Bases migration
- d. Starting application services using PM2