

# HPE USP-M ISUP development training

HPE CMS Education Center



## Course overview

- Delivery: Instructor-led
- Date: On request
- Length: Four days
- Location: HPE premises (preferred) or your location
- Level: Intermediate
- Delivery language: English

## Course description

This course provides comprehensive knowledge of application design and development, using the exposed API and available development tools. It also explains the underlying platform architecture and how to deploy and test developed applications on test systems.

## Audience

Training is designed for:

- Software developers
- Software architects

## Learning objectives

Upon successful completion of this course, you should be able to:

- Understand the product concepts, usage, and architecture
- Apply the best practices to design efficient applications
- Understand the product APIs
- Use the appropriate tools to develop applications
- Deploy and test developed application on test system

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### Training agenda

#### Day 1

- Introduction
- Description and architecture
- SS7, ISUP, and Sigtran protocols overview
- Platform installation overview
- Platform configuration

#### Day 2

- Platform start and stop
- Network configuration
- Application monitoring

#### Day 3

- General ISUP API Guidelines
- ISUP primitives and message sending

#### Day 4

- High availability of the ISUP application
- Dynamic ISUP configuration

## Overview

### Mandatory course prerequisites

- Good knowledge of telephony and telecommunications concepts
- Knowledge of ISDN User Part (ISUP)
- Familiarity with HPE-UX and Linux development environments
- Good knowledge of C and C++ programming language
- Good knowledge of English, as the course is delivered in English. If necessary, translation services can be hired for an additional fee.

### Course materials and methodology

At the beginning of the course, you will receive a PDF copy of all PowerPoint slides. One set of user documentation will be available for use during the course. Lectures are interspersed with hands-on exercises, with about half of the course dedicated to practical sessions focused on platform operations.

### Course location

This course is delivered at an HPE site with HPE-supplied facilities and equipment. It may be delivered on demand at the client's premises, in which case the client is responsible for training room setup, including video projector, white/paper board, and one platform test-bed. In either case, attendees must bring their own laptops.

### Trainer's profile

Training will be led by a senior HPE consultant with expertise in platform application development.

### Audience size

Training requires a minimum of two students and a maximum of eight.

### Training schedule

- This course is offered on demand.
- A six- to eight-week lead time is required to schedule the training session.

## For more information

For details on course contents, fee, and availability, please send an email to

**[HPE-CMS.Training@hpe.com](mailto:HPE-CMS.Training@hpe.com)**



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