

GSM Home Location Register fundamentals

HPE CMS Education Center



Course overview

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

Course description

The Global System Mobility (GSM) Home Location Register (HLR) serves as the main database of permanent subscriber information in the mobile network. This course provides you or your employees with an understanding of GSM HLR network functional entities and features requirements, including Equipment Identity Register (EIR) and Authentication Center (AuC).

Audience

Training is designed for:

- Network operations personnel
- Select switch personnel
- System administrators
- Software developers and installers
- Support analysts
- Customer care personnel

Learning objectives

After successfully completing this course, you should be able to:

- List the major HLR software components

Training agenda

Day 1

- Application overview
- Course reference material
- Circuit-switched services
- Packet-switched services
- Supplementary services

Day 2

- Unstructured supplementary services
- Short Message Service
- Authentication Center
- Equipment Identity Register

- Understand the communications protocols used by GSM and General Packet Radio Service (GPRS) networks
- Configure GSM HLR system-level features
- Configure GSM HLR circuit-based features
- Configure GSM HLR packet-based features
- Describe subscriber-managed features operation
- Configure GSM HLR Short Message Services
- Understand what functions EIR and AuC provide within the GSM network

Overview

Mandatory course prerequisites

- Good knowledge of English—if necessary, translation services can be hired for an additional fee
- Hardware and operating system overview
- Intelligent Network Server (INS) fundamentals

Course materials and methodology

Lectures are interspersed with hands-on exercises, with about one-third of the course dedicated to practical sessions focused on platform operations.

Course location

This course is delivered at a Hewlett Packard Enterprise (HPE) site with HPE-supplied facilities and equipment. It may be delivered on demand at your premises, in which case you are responsible for training room setup, including video projector, white/paper board, and one platform test-bed. In either instance, attendees must bring their own laptops.

Trainer's profile

Training will be led by a Hewlett Packard Enterprise senior consultant with a background in telecommunications, networks, and HPE NonStop applications, and experience in maintaining and supporting clients.

Audience size

Training requires a minimum of 3 students and a maximum of 12.

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.



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