

hp opencall SS7 software developer's kit an hp netaction product



hp-ux or linux: develop SS7 applications in your choice of environment

The HP Opencall SS7 SDK is the developer's kit for HP Opencall SS7 signaling platforms. It provides application developers with all the tools they need to develop and deploy new applications on HP Opencall SS7, port existing applications to the platform, and evaluate HP Opencall SS7 products.

- **Choose your development environment:** the HP Opencall SS7 SDK runs both under HP-UX and Linux, so you can keep your productivity level through working in your preferred software development environment. The SDK software can be easily installed without expert support.
- **Get help as you need it:** included in the SDK, is one month's technical assistance with guaranteed rapid feedback to help you get started quickly.
- **Test your applications in simulated conditions:** a test environment includes traffic generators and software stubs, to help you verify your configuration and application.
- **Easily deploy on Unix-based HP9000 systems:** HP Unix-based servers are market-leaders for demanding telecommunications environments, providing scalability, service continuity, and carrier-grade operation. With the HP Linux Porting Kit (LPK), porting Linux applications to HP Unix servers is faster and simpler.

hp opencall SS7 SDK: what is in the box?

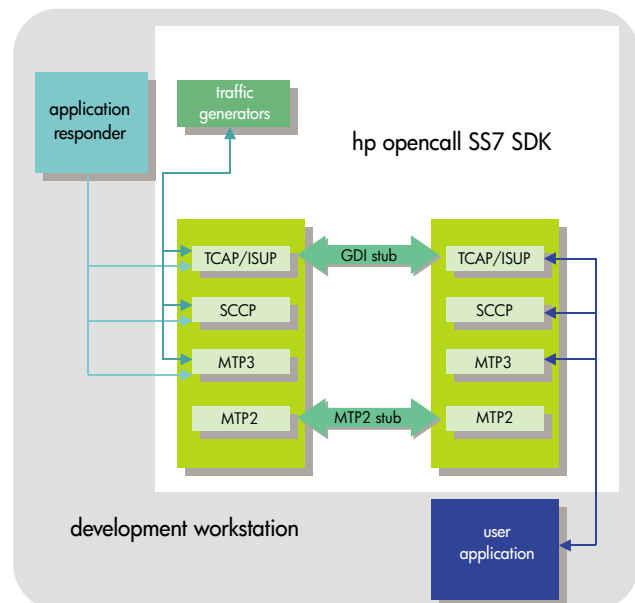
The HP Opencall SS7 SDK package consists of software media, documentation, and an assistance service: everything you need to get started immediately.

- full HP Opencall SS7 API functionality with multiple application levels (ISUP, TCAP, MTP, SCCP)
- worldwide SS7 standard compliance (ITU, ANSI, hybrid, reverse hybrid)
- traffic generators and test environment
- HP Linux Porting kit (LPK) : a toolset for smooth porting on HP-UX deployment platforms
- HP-UX porting guide
- HP Opencall SS7 tutorials
- registration-id for one month's technical assistance (countdown from first question asked)

More on the HP Linux Porting kit at:
<http://devresource.hp.com/LPK>

want to start right now?

Download the complete HP Opencall SS7 SDK package from the HP software depot at www.software.hp.com, (click on "development tools and distributed computing"), or order through your HP Sales Rep to receive it all on CD-ROM.



the tools you need

- All OA&M APIs (except MTP2); Application Message Dispatcher (AMD) for the TCAP layer
- Libraries 11.32 and 11.64 for TCAP, SCCP, MTP API; library 11.32 only for ISUP; support of archive libraries; support of "CC" compiler
- Regular HP Opencall SS7 tools for platform management and configuration; MTP2 simulated (socket stub) with two links between two stacks; GDI simulation forced with local IP @
- 16 predefined configurations enabling either end-point or gateway-type applications for ISUP, TUP, TCAP layers

supported protocols

Includes all HP Opencall SS7 APIs for the following protocols:

- TCAP/SCCP/MTP- supports ANSI, ITU-T standards; supports General Data Interface (GDI) (TCAP over IP)
- ISUP support for major international standards—ANSI 95 & ANSI 96; ITU-T 88, 93, 97; ETSI V2 Japanese TTC2; support for national variants of International ISUP Standards; TUP

supported SS7 configurations

- MTP level—one linkset; one Destination Point Code (DPC)
- SCCP/TCAP level-2048 Global Title (GT); preferred/next preferred feature (10 DPC per GT) in ANSI
- Primary/secondary (two DPC per GT) in ITU; up to 32 TCAP connections; TCAP AMD
- ISUP level—one Local Point Code (LPC); one DPC; up to 100,000 circuits; up to 4096 circuits per DPC according to ITU version; up to 16384 circuits per DPC according to ANSI version; one ISUP application per stack
- GDI protocol—one stack client and one stack server

hardware and OS requirements

- Standalone HP9000 systems: B2000 Workstation, A-Class, N-Class and L-Class Servers - HP-UX 11.0/11.i (32 and 64 bits)
- PC workstations: Redhat, Debian, and SuSe distributions
- Minimum configuration: Pentium® III 600 MHz, 256 MB RAM, 200 MB hard disk
- No SS7 hardware required

need for more assistance from HP?

HP, through its Opencall Developer program, offers a complete set of training and support services:

- **HP Opencall SS7 developer training:** standard scheduled HP Opencall SS7 developer training led by HP senior consultants with a background in telecommunications, networks and the HP Opencall SS7 platform, and with experience of developing telecom applications and services.
For further details refer to: www.hp.com/communications/opencall/training/index.html
- **HP Opencall SS7 developer assistance:** three or six months developer assistance enabling you to supplement and build on HP Opencall developer training. This service can be ordered to supplement the one month technical assistance bundled with the HP Opencall SS7 SDK, and is a valuable service for all specific questions that arise during development of actual service applications.
For further details refer to: www.hp.com/communications/opencall/infolib/service/dev-ass.pdf

about hp opencall

HP Opencall is an HP Netaction product, providing comprehensive, carrier-grade platforms for the development and deployment of next-generation voice, data, and converged services. With more than 1,000 installations in 100 countries worldwide, HP Opencall is a world leader in SS7 software stacks and the number one software for Service Control Points and Short Message Service Centers.

Backed by HP's Telecom Critical Support, which provides world-class restoration service internationally, as well as HP's superior combination of hardware and software, HP Opencall enables the communication industry to harness the convergence of the Internet with the world of voice communication.

For further information on HP Opencall platforms, please visit our Web site at: www.hp.com/communications/opencall

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