



OpenScape Deployment Service V10

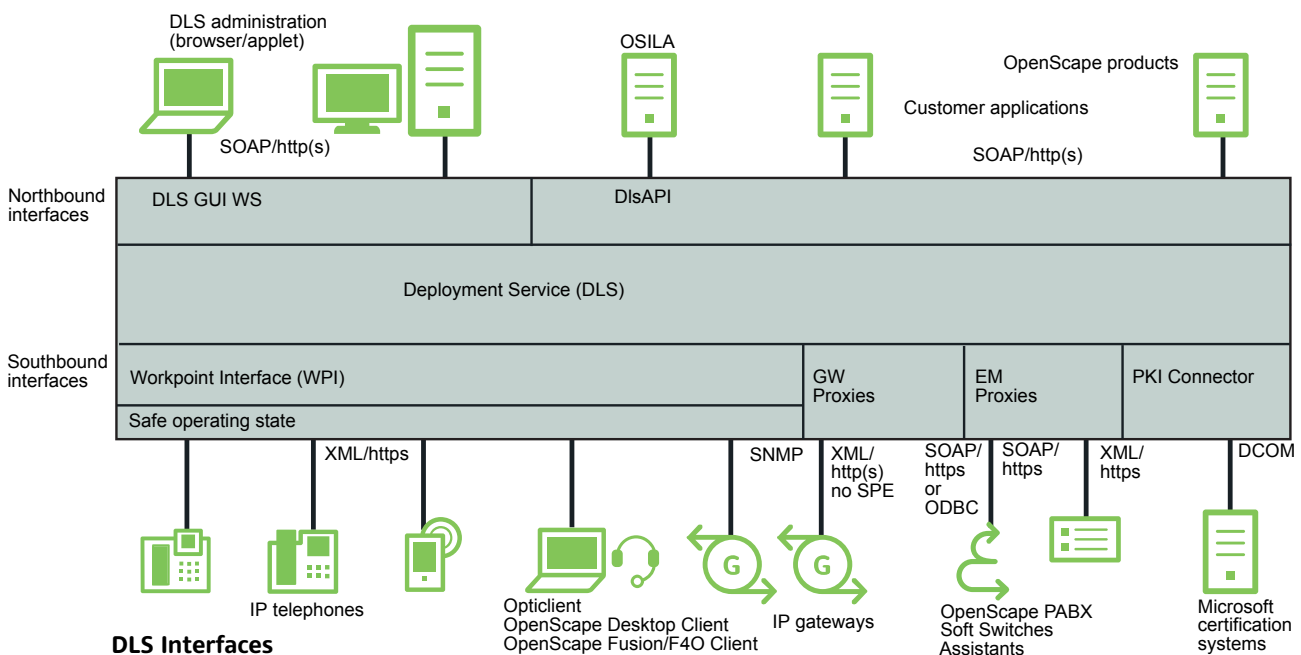
Integrated solution for administering IP devices and gateways in OpenScape networks.

The Deployment Service (DLS) management application offers customers and service employees an integrated solution for administering IP devices (IP telephones and IP clients) and gateways in OpenScape networks, i.e. in SIP and HFA-based networks, including OpenScape Unified Communications, OpenScape Voice, OS4K and OSBiz.

DLS is the central component with which devices, QoS parameters, and the software distribution of IP devices are administered for the customer's entire OpenScape environment. Integrating DLS in the customer network enables the customer to take stock of and manage his complete IP device infrastructure but also offers the ability to automate various steps of a customer's workflow, saving time and money. Any expansions with additional end-user devices (initial commissioning), as well as the relocation of telephones within his company, can also be performed directly by the customer himself.

DLS Highlights

- Stand-alone management application
- Support of OpenScape Desktop/Fusion/F4O Clients, OptiPoint, OpenStage, DPIP, CP, WLAN telephones and IP gateways
- Basic Mediatrix Devices configuration
- Management of IP devices and QoS data collection parameters
- Update and upgrade of IP devices with new software
- Centralized configuration management
- Simple graphical user interface (web-based GUI) with internal Web-Service interface for DLS administration (DLS GUI WS)
- Interoperability with OS 4000 Manager/Assistant, Common Management Platform (OpenScape Voice Assistant) and OSBiz
- Plug & Play support for automatic first-time installation and initialization of telephone parameters
- SIP Mobility
- Extensive PKI functionality
- Template and Profile management
- Backup & Restore of the device configuration data
- OS 4000, OS Biz: IP gateway support at the DLS Workpoint Interface (WPI)



Inventory Management

- Display of the inventory data of the IP devices that are supported by DLS
- Display of the location information, such as building and room, for end-user devices (OpenScope LIA; only in combination with a network management system)
- Configuration of the inventory information (e. g. location, cost accounts)
- Import/export of inventory data from/to external databases
- Simple search and selection of data

Certificates

- Connector for Microsoft certification systems that are used for generation and revocation of certificates
- Manual import of certificates from a PKI infrastructure
- Automatic import of certificates from a PKI infrastructure via DlsAPI
- Automatic generation of certificates if no external PKI infrastructure is available
- Automatic distribution of certificates to IP Devices

Software Deployment Management

Software deployment from a central server or from distributed servers in a customer network:

- Remote and time-delayed software downloads for selected IP devices
- Support for additional files
- Software version and update control
- Central software update and fall-back solution

Configuration Management

Configuration of all IP devices:

- Bulk changes for a number of selected IP devices
- Plug&Play support for automatic initial installation and initialization of IP Device parameters
- Planned and direct configuration
- Planned and immediate restarting of devices
- Status indicator for initiated or completed configurations of the IP telephones

The screenshot shows the 'OpenScope Deployment Service' interface. The left sidebar contains a tree view with categories like 'Administration', 'IP Devices', 'Mobile Users', 'Gateways', 'QoS Data Collection', 'Software Deployment', 'Element Manager', 'Profile Management', 'Job Coordination', 'Help', and 'Logoff admin'. The main window is titled 'Gateway Configuration' and includes a 'Job ID' field and an 'Exec Time' dropdown set to 'asap'. Below this is a menu bar with 'Object', 'Edit', 'View', 'Action', and 'Help'. A 'Views' section shows 'Search' selected. The main area contains several input fields: 'Gateway IP Address', 'Gateway Type', 'PEN', 'SW Version', and 'Last Update'. There is a checked checkbox for 'Configuration of QDC data enabled' and a 'Remarks' text area. A 'Gateway Connection' section includes 'Gateway Proxy IP Address', 'Port', 'Protocol', 'Account', 'Password', 'SNMP Community', and a checked 'Direct Access' checkbox. At the bottom, there are 'Clear', 'Search', and 'New' buttons.

Gateway Configuration

Job Management

Job Management serves to configure, execute and log deployment jobs.

The following options are available for executing deployment jobs:

The screenshot shows the Job Management interface. At the top, there is a 'Job ID:' field and an 'Exec Time:' dropdown menu set to 'asap'. Below this is a list of execution options, each with an icon and a description:

- Execute immediately (as soon as possible):** the job is executed without delay. If the IP device (Workpoint) can't be reached, then the job is canceled.
- Immediately or after registration:** the job is executed without delay. If the IP device (Workpoint) can't be reached, then the job is restarted upon registration of the IP device.
- Execute as scheduled:** the job will be executed at that point in time (time as per the DLS server) that is specified in the Calendar field.
- Execute as scheduled (time as per the IP device):** the job will be executed at that point in time (time as per the end-user device) that is specified in the Calendar field.
- Execute as scheduled or after registration:** the job will be executed at that point in time (time as per the DLS server) that is specified in the Calendar field. If the IP device (Workpoint) can't be reached, then the job is restarted upon registration of the IP device.
- Execute as scheduled (time as per the IP device) or after registration:** the job will be executed at that point in time (time as per the end-user device) that is specified in the Calendar field. If the IP device (Workpoint) can't be reached, then the job is restarted upon registration of the IP device.
- After IP device registration:** the job will be executed once the IP device (Workpoint) has been registered.

On the right side, a calendar dialog box is open, showing the month of November 2010. A red arrow points to the 'asap' dropdown menu in the main interface. The calendar dialog has a time field set to 15:34:20 and a list of execution options:

- Immediately
- Immediately or after registration
- At selected time
- At selected IP Device time
- At selected time or after registration
- At selected IP Device time or after registrati...
- After registration

Buttons for 'OK' and 'Cancel' are at the bottom of the dialog.

Job Management

DI/API

Open WebService interface for numerous DLS functions:

- Development of Java applications
- SOAP via https
- SSL encryption (https)
- Server/client authentication

Hardware Deployment

Scenarios:

- Stand-alone, with the database on the same (Single Node) or a different server (Multi Node)
- Integrated in OpenScape Voice Simplex and with OpenScape Voice UC

Mobility

SIP Mobility

Support for mobility-capable optiPoint, OpenStage, DPIP and CP phones:

- Configuration and administration of mobile users
- Logging on/off of mobile users
- Automatic logon of a user onto the "home" phone after logging off

HFA Mobility

- After HFA Mobility logon, makes end-user device call lists and phone book data (including clip images) available
- Saves a mobile user's phone book data in the DLS database upon logging off
- HFA Mobility is only supported as of version V1R5 of the OpenStage end-user devices

IP Clients capability

IP Client capability has been available since DLS V3. This makes it possible to administer the data of multiple clients (customers) in a single DLS.

Supported Systems

OpenScape Systems

- OpenScape Business V2
- OpenScape 4000 V7 and V8
- OpenScape Voice V8, V9 and V10

IP devices

- CP100/CP200/CP205/CP400/CP600(E)/CP700(E/X) (all M3 SIP and HFA versions)
- Desk Phone IP 35G/35G Eco/55G (all M3 SIP and HFA versions)
- OpenStage 5, 15, 20, 20E, 40, 60, 80 (all M3 HFA and SIP versions)
- OpenScape Personal Edition V4 or higher
- OpenScape Desktop Client and OpenScape Personal Client (HFA and SIP)
- OpenScape Fusion Client and OpenScape Fusion for Office Client
- optiPoint 400 economy, standard
- optiPoint 410 entry, economy, economy plus, standard, advanced
- optiPoint 420 economy, economy plus, standard, advanced
- optiPoint 600 office
- optiPoint WL2 professional
- Sidecars Inventory

Operating systems

- Windows Server 2012 R2/2016 (32 and 64-bit)
- SUSE Linux Enterprise Edition (version such as OpenScape Voice)



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