Unify OpenScape Business

CLS Connect

Whitepaper

Atos

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Introduction CLS Connect

The flexible licensing concept of OpenScape Business offers customers the possibility of adapting the scope of services precisely to their requirements via licences. Telephones, UC clients, UC functions and system-wide features can thus be activated according to individual customer requirements. A common set of licences are used for all OpenScape Business communication systems. If OpenScape Business is to be expanded at a later date or equipped with additional features, this is possible at any time by purchasing additional licences.

For the licensing of OpenScape Business systems, Unify's Central License Server (CLS) provides a centralised procedure for the administration and activation of licences. This ensures that a customer can use exactly the system expansion or the features for which he has acquired the corresponding licences (usage rights).

The licence server generates order-related licences that are bound to the OpenScape Business customer system. For this purpose, a system-specific licence file is created, which is imported into the customer system either online or offline. The licences can then be assigned to the system resources or subscribers via the OpenScape Business Assistant (WBM).

With SW version V3, the "CLS Connect" procedure is used for licensing OpenScape Business systems and for validating the licence information. For OpenScape Business S CLS Connect Service is mandatory for licensing the system. For OpenScape Business X systems, CLS Connect can be used optionally.

CLS Connect simplifies the licensing of OpenScape Business systems and functions, as well as the re-generation of the licence key in the event of a mainboard replacement.

After the initial licensing of a system and the activation of CLS Connect, changes regarding the required licences only need to be made on the central licence server (CLS). The changed licence information is automatically transferred from the licence server to the OpenScape Business system after time

With CLS Connect activated, the number of permitted licence transfers (regeneration) is not limited and is possible at any time without involving the CLS Support Team. Regeneration is carried out exclusively via the licence server, whereby the regeneration handling on the licence server does not differ from systems without CLS Connect.

If a system with activated CLS Connect cannot reach the central licence server (CLS), the 30-day "failover" period begins. During this period, the system is fully functional. If the connection to the licence server is restored during this period, the failover state is terminated. If the connection cannot be restored within 30 days, the system switches to emergency mode.

Requirements for the use of CLS Connect

In order to use CLS Connect, OpenScape Business must be able to establish a connection with the central licence server (CLS) via the Internet. In some cases, this requirement leads to security concerns among customers or their system administrators.

In the following, the connection of OpenScape Business to the central licence server (CLS) of Unify is considered under security-relevant aspects.

1. The connection is used exclusively for the periodic validation of the licences available in the OpenScape Business system.
2. The connection is only established temporarily and is not permanently active.
3. The connection is established exclusively from the OpenScape Business (CLA) to the Unify Licence Server (CLS).
4. Incoming connections to the CLA in OpenScape Business are generally rejected.
5. The connection to the central licence server is authenticated via certificates.
6. The transmitted data are encrypted.

Details for the CLS Connection

CLS Connect is used exclusively for licensing the system functions and for periodic validation of licences. For this purpose, the OpenScape Business system establishes a non-permanent TCP/IP connection, secured via TLS, to the central licence server.

For this connection applies the following:

- Only the Central Licence Agent (CLA) built into OpenScape Business is involved as a client and the Central Licence Server (CLS) as a server.
- The CLA is the client for this TCP/IP connection, the CLS represents the server.
- The TCP/IP connection is established by the CLA via a port dynamically assigned by the operating system to the public IP address 188.64.16.4 of the CLS on port 7790.
- The connection is terminated immediately after transmission of the data.
- All incoming connections are ignored by CLA.
- The components involved in the connection are authenticated via a self-signed certificate.
- The transmitted data is encrypted using TLS 1.2.
- The following data is transmitted with this connection:
  - Locking ID
  - SIEL ID
  - Licence key
- In principle, no personal data is transferred between CLA and CLS.

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