

Modules for Several Sites

By the “Module Concept”, ixi-UMS offers the possibility to realize almost any customer requirement also with installations with several sites.

The ixi-UMS modules can be installed on multiple servers or all on one server. That way, several sites or PBX’s can be integrated into the system, according to the requirements.

ixi-UMS MDS (Message Distribution Server)

The ixi-UMS MDS always must be deployed when several sites or PBX’s are connected via an own ixi-UMS Kernel each. Another task of the ixi-UMS MDS is the realization of redundant and high available ixi-UMS environments. Security-relevant and network-specific aspects are taken into account with all the tasks.

Task of ixi-UMS MDS

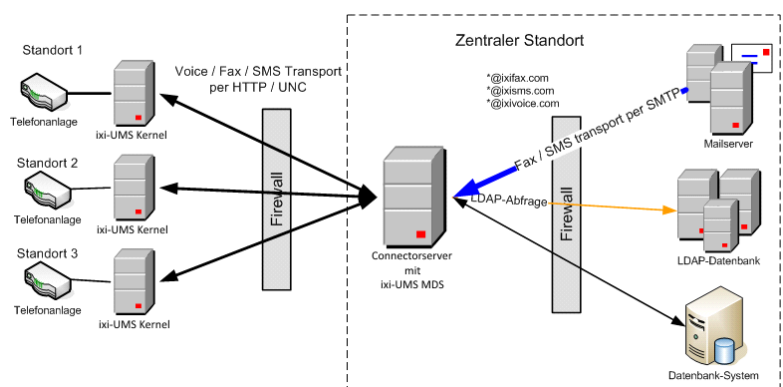
The task of ixi-UMS MDS is the transport of ixi-UMS messages from one server (ixi-UMS Kernel) to the other (ixi-UMS Connector-Server).

The outgoing messages are routed to the respective ixi-UMS Kernel by means of defined rules. The ixi-UMS Kernel then delivers them.

ixi-UMS MDS can route outgoing messages by means of

- destination (recipient number)
- sender e-mail address
- any header-field

The incoming messages are picked up by all or by predefined ixi-UMS Kernels and passed to the respective ixi-UMS Connectors. The ixi-UMS Connector then passes / delivers them to the connected system / mail server.



ixi-UMS MDS Features

The ixi-UMS message transport can be handles by UNC or WebDav. Outgoing messages can be routed by means of sender, recipient or an arbitrary header field.

Security and Connection

By deploying “WebDav“ for the transfer, a connection via firewalls is also no problem. That way, connections via WAN or in a DMZ can be set up without any problems. If required, the port used by default can be changed with little effort. HTTP or HTTPS can be set up optionally.

Load Balancing and High Availability

ixi-UMS MDS can be set up in a way that the outgoing messages are distributed to several ixi-UMS Servers. With it, outgoing messages can be distributed via different PBX’s or different sites.

When ixi-UMS MDS is set up additionally or only for reasons of high availability, it transfers the messages for ixi-UMS Kernel 1 to another ixi-UMS Kernel if the main server is not available.

In intervals, it is tried on and on again to get access to ixi-UMS Kernel 1. As soon as the server is available again, the messages are transported to it automatically again.
Result: Outgoing messages are ALWAYS delivered.

ixi-UMS MultiSite

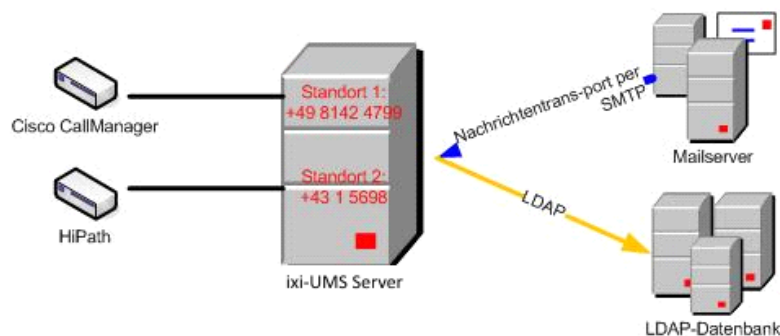
The option “MultiSite“ is integrated in the ixi-UMS Kernel. By means of this enhancement, multiple PBX’s can be connected with one ixi-UMS Kernel. With setting up “MultiSite“-sites, the same individual settings per site are possible on one ixi-UMS Kernel as if a separate ixi-UMS Kernel is installed and set up for every PBX. That way, VoIP-PBX’s can also be connected with an ixi-UMS system via WAN-lines.

Please note:

High availability can only be achieved in combination with ixi-UMS MDS.

ixi-UMS MultiSite Function

The recipient call numbers with incoming messages are created by means of the individual site information. Because of that, no further conversion measures for the correct creation of the user recipient numbers are necessary.



The messages can all be transferred via one ixi-UMS Connector to a mail system or to multiple ixi-UMS Connectors and therewith to different mail systems according to sites.

Outgoing messages are transferred to the singles sites by means of predefined routes and then delivered via the respective PBX.

With the option “MultiSite”, outgoing messages can be routed by means of

- destination (recipient number)
- sender e-mail address
- any header-field

MultiSite Features

With the option “MultiSite”, multiple PBX’s / gateways can be connected with one ixi-UMS Kernel. You only have to take care that the required CAPI is the same for all the PBX’s, e.g. multiple VoIP-PBX’s OR multiple PBX’s via a Remote-CAPI (Funkwerk).

By means of the routing of outgoing messages by means on the basis of freely defined rules, the users can send all the messages from the appropriate site.

All the messages are processed centrally. This causes only little administrative costs. However, a control by means of IXI-Inspector and/or high availability by a multi-computer system should be taken into account.

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