

Aggregation of Directories and Databases

AND Phone is a powerful and scalable application platform for Unified Communications environments. The application server uses a modular base system which can be extended by services and functionalities you need for improving your communication tasks.

AND MetaDirectory offers you the possibility to aggregate information from various corporate directories, databases and contact information and delivers this information by a standardized interface to other systems in your networking environment.

By implementing a metadirectory into your network you gain access to all available information in your environment and can even modify the information before delivering it to other systems.

Administration of *AND Phone* is completely centralized and uses a web-based frontend which can be extended by additional modules.

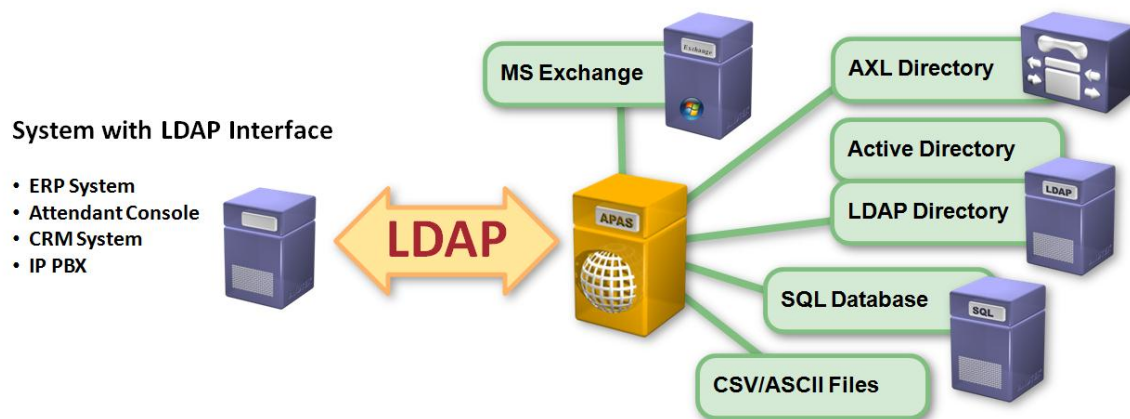
Benefits

- Aggregation of corporate information
- Integration of various data sources
- Standardized interface to other systems
- Data modification without changing source
- Flexible attribute mapping capabilities
- Central administration
- Easy integration of existing environments
- Full integration with other *AND Phone* applications

Features of *AND MetaDirectory*

AND MetaDirectory uses the data sources delivered by the directory application of the *AND Phone Application Server*. The directory application *AND Phone Directory* accesses various data sources, like SQL databases, LDAP directories, MS Exchange server or Unified Communications Manager user entries.

These sources of *AND Phone Directory* are aggregated and delivered through a standardized LDAP interface to other systems, like ERP servers, attendant consoles, CRM systems or IP PBXs.



Additionally it is possible to modify information before it is delivered, e.g. to adapt phone number formats or to filter specific information which is not required by the accessing system.

An example for using directory aggregation is the integration of existing contacts information in corporate databases (e.g. Oracle database). You might have a system, like an attendant console which uses a standardized LDAP interface to get contact information for attendants. In this case there would be no possibility to deliver the contacts from the database to the LDAP based attendant console. By using a metadirectory you access the contacts from your database and make it accessible to the attendant console.

Besides making the contacts information available to the attendant systems you can modify some parameters, like phone numbers which might be stored in different variations in the database but need to have a standardized format for the attendant console.

AND Phone Directory

Services on the Phone

- Search in all or one included database
- Dialing directly out of directory
- Automatic format with regular expression
- Reverse lookup of internal and external calls
- Several phone numbers per contact
- Overview or detailed display of contact information
- Contact information are shown automatically on phone display
- Flexible and individual information at phone display
- Personal address book available (also with Extension Mobility)
- Multitenant phone book

Desktop Services (Electronic Web Phone Book)

- Supports established web browsers
- Search in all included databases via web browser
- Search in a one database via web browser
- Dialing directly out of web directory by clicking
- Working with CallManager WebDialer
- Flexible and individual information at web browser

Administrator Services

- Password protected access with multilevel administration
- Multi level administration
- Centralized management of all *AND Phone* modules
- Integration of LDAP and Active Directory
- Integration of SQL databases
- Integration of CSV files
- CSV files can be edit by user (optional)
- Integration of MS Exchange
- Define attributes for search screen
- Define of layout for different search screens
- Define search criterions
- Define attributes for reverse look up
- Displayed information for overview

- Displayed information for detailed information
- Maximum number of search results
- Maximum number of shown results per site
- Define of layout for reverse look up at incoming calls
- Selecting of database for reverse look up
- Define of time for showing contact information
- Creating groups of databases and directories
- Managing of phone groups
- Create access rights to directories for phone groups
- No synchronization needed
- No modification at existing LDAP/SQL directories
- Expansion without restarting the system

Supported databases and directories

- LDAP directory
 - Active Directory
 - CallManager DC Directory
 - Lotus Domino LDAP
- SQL database
 - MS SQL
 - mySQL
 - Oracle
- CSV file import
 - ASCII file
 - Excel file
- MS Exchange
 - WebDAV

AND MetaDirectory

Available Data Sources

- LDAP directory
 - Active Directory
 - CallManager DC Directory
 - Lotus Domino LDAP
- SQL database
 - MS SQL
 - mySQL
 - Oracle
- CSV file import
 - ASCII file
 - Excel file
- MS Exchange
 - WebDAV

External Interface

- LDAP v3

Data Modification and Mapping

- Flexible mapping of source attributes
- Phone number modifications
- Filtering of source data

System Requirements

Server Requirements

- x86-based processor min. 2.8GHz
- Main memory 512MB/1GB/2GB
- Gigabit-/Fast-Ethernet interface
- Min. 20GB hard disc
- CD ROM drive
- Virtualization possible (VMware)
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Software Requirements

- *AND Phone Base*
- *AND Phone Directory*
- *AND MetaDirectory*

Supported Operating Systems

- Linux (included)

Supported Data Sources *

- SQL, LDAP, AD, MS Exchange, CSV files, Cisco Unified Communications Manager 4.x, 5.x, 6.x and 7.x

* Available services might differ depending on the data source.



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