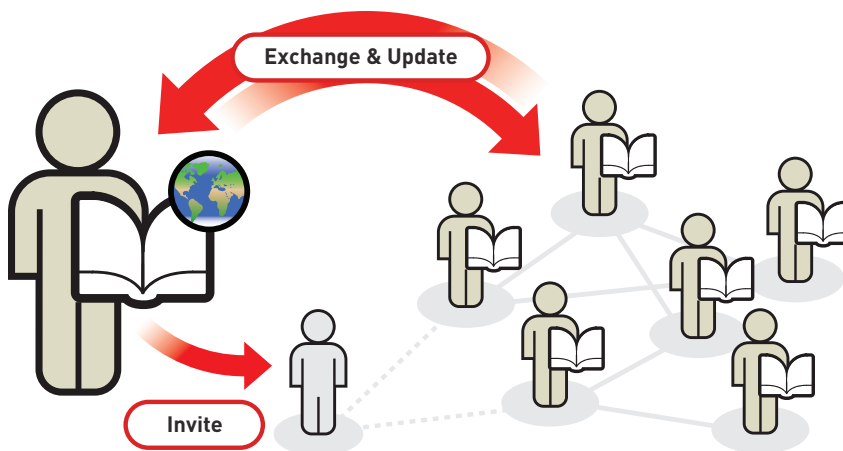


## EMPOWERING CONVERGENCE



METASWITCH'S COLIBRIA INTELLIGENT NETWORK ADDRESS BOOK (INAB) IS AN EVOLUTION OF THE STANDARD NETWORK ADDRESS BOOK WHERE CONTACTS ARE LINKED TOGETHER, RATHER THAN JUST STORED, CREATING A SOCIAL NETWORK AROUND COMMUNICATIONS SERVICES WHERE THE ADDRESS BOOK IS THE CENTRAL POINT FOR ALL CONTACT INTERACTION.

- The standard network address book only provides backup and restore capabilities, typically through a SyncML interface for a centralized address book. OMA has defined a new standard, the Converged Address Book (CAB) standard which provides enhanced mechanisms for dynamic user interaction with the address book and forms the basis of a more intelligent network address book.
- As an integral part of the Colibria Application Suite (AS), the INAB, with built-in intelligence on top of the CAB standard, gives service providers the ability to deploy SIP-based address book centric services, such as RCS, as part of a next generational communications offering to its subscribers. Furthermore, it is compliant to both existing RCS standards and future RCS standards, which means that service providers need not worry about incompatibility and interoperability concerns now and in the near future.
- As XCAP traffic is only increasing for all real-time communication services (especially based on SIP), service providers will be well positioned to seamlessly integrate address book functionality into new and innovative services to its subscribers without additional capital expenditures.
- The Colibria INAB solution provides a SyncML and XCAP interface to the network address book, automatically delivers updated contact information to users, ensures that user privacy mechanisms are enforced and notifies contacts when they are added to an address book. This enables the contacts to enforce the desired privacy mechanisms towards the address book owner.
- In addition, the INAB solution can be seamlessly integrated into a Service provider's ecosystem, such as a service Delivery Platform (SDP), for 3rd party application vendors to integrate the evolutionary aspects of the INAB into value added services for subscribers.



### A FULLY COMPLIANT SOLUTION

The Colibria intelligent Network Address Book provides a cost effective and easy way to deploy integrated messaging services. It is fully compliant with Open Mobile Alliance (OMA), 3GPP IMS standards, and the requirements of the GSMA Rich Communication suite (RCS) initiative.



EXAMPLES OF COMMUNICATIONS SERVICES WHERE THE COLIBRIA INAB SOLUTION IS VIABLE INCLUDE:

- An RCS service
- An Instant Messaging service
- Any VoIP & Video service

### A FULLY COMPLIANT SOLUTION

The Colibria INAB solution provides a cost effective and easy way to deploy network address book services. It is fully compliant with Open Mobile Alliance (OMA), IMS standards, and the requirements of the GSMA Rich Communication Suite (RCS) initiative, enabling service providers to integrate advanced network address book capabilities into their networks in a standard and compliant way.

### SOCIAL NETWORKS INTEGRATION

When the INAB solution is combined with the Colibria Social Network Enabler (SNE), social networks can be integrated with SIP-based presence and IM services, such as RCS. Social network information is directly integrated into the real-time presence of a contact in the address book and IM chat sessions with the social networks (where applicable) are initiated and received directly from the same contact.

The SNE is a lightweight approach towards social network integration that efficiently utilizes network resources while streamlining the varying user experiences due to a multitude of handset manufacturers and client vendors, each with a uniquely different approach.

### RICH COMMUNICATION SUITE

Metaswitch is a member of the GSMA Rich Communication Suite (RCS) initiative. RCS aims to speed up the evolution of interoperable rich communications services between mobile devices. The Colibria INAB solution plays a pivotal role in ensuring that the concept of 'rich communication', as set out in the RCS, becomes a reality for operators, service providers and end users alike.

The Colibria INAB solution is fully compliant to the requirements of RCS Release 2 and Release 3, and when combined with the other solutions in the Colibria AS, it can be used to provide a complete RCS solution which runs on both Pre IMs and RCS infrastructures. Colibria is deployed today in multiple RCS market trials and additional non-RCS trials globally.

## KEY FEATURES

### PERSONAL CONTACT CARD

Each INAB user creates and maintains a personal contact card which contains any personal information about the user, such as mobile phone number, email address, home address, etc. and is stored in the INAB. It is accessible by any endpoint device of the user's choosing, including a web-based client. The personal contact card owner selectively determines which fields of their personal contact card are visible to other INAB users who have her as a contact in their address book. The user can even choose to block other INAB users from viewing any field in her personal contact card.

### ADDRESS BOOK

The collection of contact cards for an INAB user is an address book; it is stored in the INAB and is accessible by any endpoint device of the user's choosing. An INAB contact card is a combination of manually entered information about an INAB contact plus the visible fields of the personal contact card of the INAB contact as defined by the personal contact card owner. A non-INAB contact card is only manual information entered by the address owner.

### GROUPS

Contacts in the address book can be placed into one or more groups such as "colleagues" where each group has defined access permissions for the user's personal contact card. To help the personal contact card owner to place groups of contacts, the INAB solution provides two default pre-provisioned groups for every INAB user.

### AUTOMATIC UPDATES AND NOTIFICATIONS

When a contact updates their personal contact card, the updated information is automatically delivered to all the INAB users who have the user as a contact in their address book, removing the need for manual updates of address books. Address book owners no longer have to manually maintain contact information though their customized contact information, such as display name (i.e. nickname) which is merged together with the updated information.

Similarly, personal contact card owners are notified when other INAB users wish to add them to their address book. Subsequently, the owner of the personal contact card can apply the desired (or define new) access permissions pertaining to the other INAB user. This ensures that no INAB user can view the personal contact card of another INAB until the access permissions have been applied.

## CONTACT SEARCH

Searching for contacts based on various search criteria, such as name or email address facilitates INAB users to add new contacts to their address book as they no longer need to manually enter in the information for contacts, but just add the desired contact once they are found.

## BACKUP & RESTORE

The address book can be synced up with any endpoint device through two underlying access technologies: SyncML and XML Configuration Access Protocol (XCAP). Both technologies provide the INAB user the ability to backup the address book from the endpoint device to the INAB as well as restore the address book from the INAB to the endpoint device.

## INVITATIONS TO NON-INAB USERS

The INAB solution improves on both the standard network address book and the OMA CAB standard by providing additional functionality beneficial to both users and service providers alike, such as sending auto-generated emails to non-INAB contacts in an address book, in an attempt to promote and increase the use of the INAB service.

## WEB SERVICES API

By providing a web services API, the INAB exposes its functionality for 3rd parties to integrate the INAB service into their own service offerings or for a service provider to incorporate the INAB as part of an SDP or any other ecosystem where the INAB is the starting point for a communications service.

## PRODUCT SPECIFICATIONS

### THE PRODUCT FULLY COMPLIES WITH THE REQUIREMENTS OF THE OMA CAB VERSION 1 SPECIFICATION INCLUDING:

- Personal Contact Card (PCC) XDMs
- Address Book (AB) XDMs
- User Preferences XDMs
- Access permissions
- Re-active authorization
- Groups support
- OMA DS
- vCard format conversion

### THE FEATURE SET IS FURTHER ENHANCED BY THE FOLLOWING FEATURES:

- Invitation to non-INAB users
- Web Services API
- AJAX