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Address Management in Argus

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1 Introduction

1.1 Purpose of Document

This is a detailed guide outlining the address book handling features of *Argus*. It is the seventh in a set of documents comprising:

- Using ArgusMail
- Using ArgusMessenger
- Using ArgusAgent
- Using ArgusTokenSelector
- Using ArgusWord
- Using The Argus Message Broker
- **Address Management in Argus**

This guide presupposes a high-level understanding of Argus, as detailed in **Guide A**.

1.2 Terms and Abbreviations

Term	Definition
Argus	The suite of programs that provides for the secure mail-exchange between healthcare providers (GPs, pathology labs, psychiatrists etc.)
ArgusMessenger	This is a program that interacts with POP3/SMTP, IMAP and LDAP servers. It implements advanced HL7 handling and encryption via PKI. One instance of ArgusMessenger runs in each practice.
ArgusMail	This is the 'client', a program that allows users to view and send email. An instance of ArgusMail runs on each user's desktop.
Argus AddressBookSetup	A program which is used by Certified Argus Installers to initially update an Argus site's local Address Book with entries from the Argus Users Directory.
Argus Users Directory	An LDAP Server hosted by ArgusConnect, whose purpose is to be a national repository of the details of all current Argus users. From version 4.1 of Argus onwards, all new users of Argus will be added to the Argus Users Directory with their clinical email address and public certificate. Access to the Argus Users Directory is restricted to Argus users.
LDAP	Lightweight Directory Access Protocol is a client server protocol for accessing a directory service.
Local Argus Address Book	Addresses which are stored in the Argus database (locally) for an installation of Argus. These entries can be updated automatically from the Argus Users Directory on a regular basis.

2 A centralised Address Book – the Argus Users Directory

2.1 What is the Argus Users Directory?

As the number of users of Argus continues to grow, there is a need for a centralised repository where the details of all Argus users can be added and maintained with the most up-to-date information for each site using Argus across Australia. The Argus Users Directory is an LDAP Server hosted by ArgusConnect, whose purpose is to be a national repository of the details of all current Argus users. From version 4.1 of Argus onwards, all new users of Argus will be added to the Argus Users Directory with their clinical email address and public certificate.

2.2 Who can use the Argus Users Directory?

The Argus Users Directory was set up for the exclusive use of Argus 'activated' sites. An 'activated' site is one for which the clinical (Argus) email address and public encryption key are both known. Other organisations and sites not using Argus will not be added to the Directory and will not be able to download entries from the Directory. Access to the Argus Users Directory is restricted to current Argus users.

2.3 Browsing the Argus Users Directory – Web Interface

A web interface has been developed to allow Argus users to browse the entries on the Directory. Entries are grouped according to medical specialty. Different types of entries are created to represent **Locations** (for example, a General Practice) and **Practitioners** (for example, doctors at a Location). Each Practitioner is associated with a Location, i.e. each Person is associated with a Medical Practice .

Currently, only ArgusConnect staff have administrative access to the Argus Users Directory, which will allow them to add and modify entries. In the future, more thorough access control may be implemented which will allow every user to modify their own entry on the Argus Users Directory.



Figure 1: The Argus Users Directory web interface, medical category view

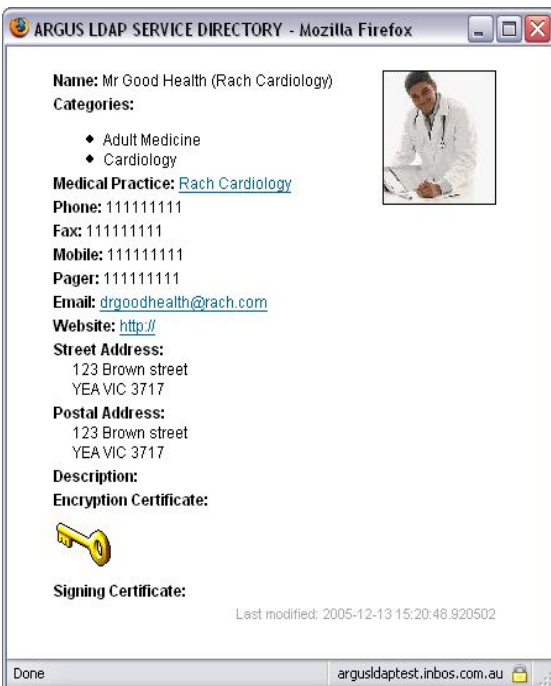


Figure 2: The Argus Users Directory web interface, viewing an entry

2.4 How do I use the Argus Users Directory?

As well as browsing the Argus Users Directory, the programs in the Argus 4.1 suite enable you to update your local Argus Address Book with entries from the Directory. You can then send clinical messages to any Argus user in Australia, using their details (including their clinical email address, encryption certificate, and their preferred sending options).

All users of Argus will be able to update their local Argus Address Book with entries from the Argus Users Directory. Certified Argus Installers who are installing Argus 4.1 at a site for the first time or upgrading a site to 4.1 will be able to initially populate the site's local Argus Address Book with entries from the Directory. The Argus AddressBookSetup program is a program specifically developed for Certified Argus Installers which will allow them to search the Directory and to download all entries which match certain criteria into the local Argus Address Book. Once an entry is in the local Address Book, it can be updated automatically when ArgusMessenger is running as a Service.

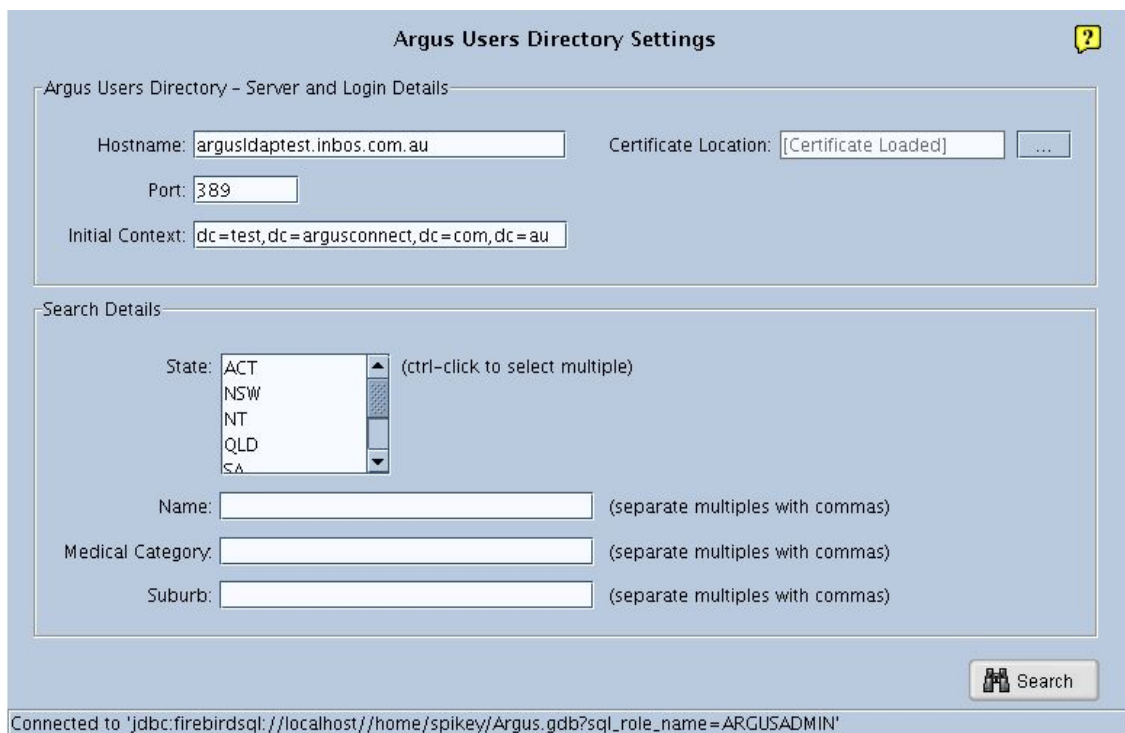


Figure 3: The Address Book Setup program

New entries can be added to the local Argus Address Book at any time. A screen in ArgusMessenger allows users to search the Directory for entries matching a name entered by the user. For example, if the site knows that a new medical practice in their area is now using Argus, they can search for that practice and add the entry to their local Argus Address Book. Users can browse the Argus Users Directory web interface to find new Argus users in a particular speciality.

Update from Argus Users Directory ?

Argus Users Directory - Server Details

Hostname: Certificate Location:

Port:

Initial Context:

Search Details

Search for Name:

Address Details: 2 entries returned

Name	Organisation	Address	Email
TestOne		1234, YEA VIC 3717	argus6@health...
TestTwo		1234, YELLINGBO VIC 3139	argus6@health...

Figure 4: Downloading new entries from the Argus Users Directory

Argus can also manually update the local Argus Address Book with entries from the Argus Users Directory. This allows important information used by Argus when sending to a particular recipient (such as their encryption certificate and their preferred sending options) to be kept up to date with the most recent information on the Directory.

When Argus is running as a service, if the site uses an LDAP server other than the Argus User Directory, the entire content of the defined context will be downloaded periodically. The site will then connect to the Argus Users Directory to update every item already in the local Address Book.

3 Using Addresses from other LDAP Servers

3.1 How can Argus use addresses from other LDAP Servers?

As well as being able to update the local Argus Address Book with entries from the Argus Users Directory, Argus can also download from other LDAP servers which store entries using the standard *iNetOrgPerson* object type. Argus can also download from a secure LDAP Server using SSL (Secure Sockets Layer). Argus can also be configured to update addresses from a non-Argus LDAP Server automatically.

Entries downloaded from a non-Argus LDAP Server are stored in a separate section of the local Argus Address Book.

4 Hints, allegations and things left unsaid

If you have any suggestions for future versions of Argus, please feel free to log your suggestions by mailing argushelp@argusconnect.com.au or phoning ArgusConnect support on (03) 5335 2221 during business hours.

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Rachel Naus
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