



**Collaboration Infrastructure for
the Agile Enterprise.**

A BUSINESS CASE STUDY

Defence Institute of Advanced Technology

Requirement

Mailing system for collaboration amongst faculty, staff and students with adequate security framework

Solution

Mithi Connect Server in a multiserver architecture with designated mail access policies for internal and external users accessing their mails through LAN and Internet

Top Benefits

Secure collaboration within and outside the organisation



Overview

Country/Region : India
Industry: Educational & Training

Customer Profile

The Defence Institute of Advanced Technology (DIAT) as it is known today, came into being as the Institute of Armament Studies in 1952. In 1967, the Institute was renamed as "Institute of Armament Technology, (IAT)", which moved to its present location at Girinagar, Pune. From the relatively narrow scope of Armament Studies alone in the Fifties, the role of the Institute was considerably enlarged by the Defence R&D Council in 1964 and further in 1981. DIAT is a unique institution and a premier center of excellence for training in highly specialized technologies, specifically for Defence Service Officers of the Army, Navy, Air Force, Coast Guard and Civilian Scientists, Engineers and Technicians of DRDO, Ordnance Factories Board and Defence PSUs.

Industry: Educational & Training

Overview

Defence Institute of Advanced Technology (DIAT) had no solution for exchanging email with the outside world. They had an email server but that was meant only for internal mailing.

With the rising stature as a training institution of repute and growing demands from the faculty, staff and students, DIAT decided to implement an email solution which would allow email exchange amongst its employees and with the outside world.

Key Expectations

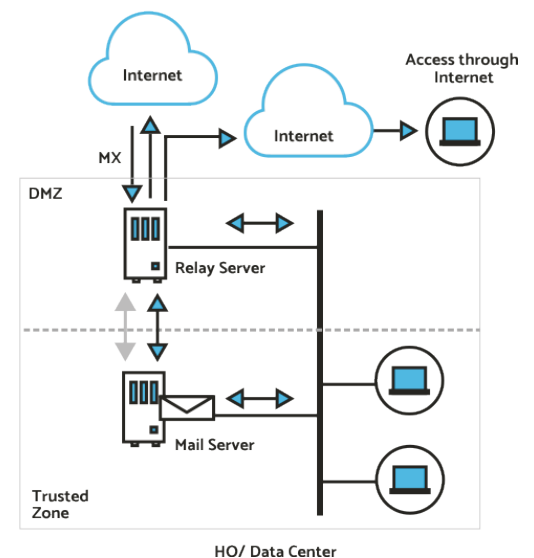
Some of the key expectation from the new email system were -

- Phasing out of the old internal email system and replacing it with an Internet-facing email system which would allow both internal as well as external mailing
- Low cost of ownership
- Ease of management
- Flexibility to implement secure mail policies
- Adequate security against virus, spam, malicious content etc.
- Integration with the existing security appliance and firewall

Implementation

After getting the formal work order, Mithi team worked with the DIAT IT team to implement Mithi Connect Server in a two-server architecture.

Mithi Connect Server at DIAT



Relay Server

The Relay server in the DMZ at the HO/Data Centre is the MX server for the DIAT domain and receives incoming mail for all users from the Internet. It also delivers all outgoing mail to Internet. The server is configured to scan all incoming mail for spam and virus using Spam Assassin, Clam AV, RBL, sender / recipient check etc. It also hosts the mail policies. After scanning the mails for spam, virus and other malicious content, the mails are relayed to the Mail server.

For More Information

For more information about DIAT, please visit

www.diat.ac.in

For more information about Mithi's products and services, please visit

www.connectxf.com

Mithi Connect Server

Mithi Connect Server is now powering the email systems of over 150 customers in India and abroad.

To know more about how Mithi has helped its customers derive benefit from an open solution, please visit

www.connectxf.com/customers/testimonials/

Mithi Solutions center

Mithi can consult you to understand your requirement, and suggest the best-fit solution to meet your requirements and expectations. To get in touch with us, please visit www.connectxf.com/support/expert-advice/

Mithi Connect Xf™ – Case Study – DIAT
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Mail Server

The mail server in the Trusted Zone hosts the mailboxes for all the users on all the domains. The mail received from the Relay server is delivered into the individual mailboxes of the users. The Mail server is configured to run the following services:

1. POP/IMAP/SMTP/HTTP/LDAP servers
2. Webmail
3. Mail Policies

The end users access their mailboxes primarily through the integrated Baya webmail client. The address books is accessed via the LDAP protocol.

Mail Flow

Incoming mail

- The mails for the domain arrive at the Relay server where they are scanned for spam, viruses, mail policies etc.
- Valid and clean mails are forwarded by the Relay server to the Mail server where they will be delivered in to the users' mailboxes.
- The users access their mailboxes on the Mail server through the integrated Baya webmail client. Some users also access their mails by configuring their desktop clients like Outlook, Outlook Express etc.
- The roaming/mobile users access their mails through HTTP (webmail) from Internet by logging onto the Relay server where they are authenticated before accessing their mails on the Mail Server over IMAP.

Outgoing mail

- The outgoing mails for other users on the domain (local mails) are delivered locally on the Mail Server, outgoing mails for outside domains are forwarded to the Relay Server.
- The Relay Server scans all the outgoing mails for spam, viruses and mail policies before relaying them to the Internet for delivery.

Data synchronization

Both the MCS servers are set up in an Enterprise mode. Setting the servers in an enterprise mode ensures that any changes made on any server are synchronized to all the other servers automatically.

Benefits

Mithi Connect Server deployed at DIAT addressed their key requirement of a consolidated internal and external mailing system. Some of the key benefits derived from Mithi Connect Server include -

- Sharing of information and Collaboration over email amongst the faculty, staff and students
- Seamless mail access from inside and outside the network
- Ease of day-to-day management
- Adequate security against virus, spam, malicious content etc.
- Access to organisation-wide Global Address Book
- Feature-rich and customizable webmail client

