

Email Server Software Brick V2.0

Status of this Memo

This document proposes an update to a standard for the National Institutes of Health (NIH) and requests discussion and suggestions for improvements. Distribution of this memo is unlimited.

Table of Contents

1	Introduction.....	2
2	Description.....	2
3	Messaging Server Software	2
4	Links	5
5	Contact.....	6
6	Changes	6
7	Author's Address	6

1 Introduction

This document updates the NIH Technical Architecture Standard for messaging server software for the NIH community.

2 Description

Messaging server software includes software and applications that run on a network server or as a hosted service to enable peer-to-peer asynchronous communications.

3 Messaging Server Software

This brick provides baseline information of the as-is architecture and the future direction for using messaging server software to meet business needs at NIH.

It should be noted that all technologies that are new to the brick are emboldened, and all technologies removed from the brick upon its update are indicated with a strikethrough.

Table 1. Email Server Software Brick

Tactical Deployment (0-2 years)	Strategic Deployment (3-5 years)
<ul style="list-style-type: none"> ■ BlackBerry (RIM Server) Enterprise Server for Microsoft Exchange 5.x ■ L-Soft LISTSERV 15.x ■ Microsoft Exchange Server 2007 ■ ActiveSync CODON Email 	<ul style="list-style-type: none"> ■ L-Soft LISTSERV 15.x ■ Microsoft Exchange Server 2010 ■ RIM BlackBerry Enterprise Server for Microsoft Exchange 5.x
Retirement Targets (Technology to eliminate)	Containment (No new deployments)
<ul style="list-style-type: none"> ■ None 	<ul style="list-style-type: none"> ■ E-mail to Fax ■ Helix Email ■ Kronos ■ Sendmail (SMTP/relay Instances)
Baseline Environment (Today)	Emerging (Technology to track)
<ul style="list-style-type: none"> ■ ActiveSync ■ BlackBerry (RIM Server) Enterprise Server for Microsoft Exchange 5.x ■ CODON ■ E-mail to Fax (Fax to Email) ■ Helix ■ Kronos ■ L-Soft LISTSERV 15.x ■ Microsoft Exchange Server 2007 	<ul style="list-style-type: none"> ■ Unified Communications Suites
Comments	
<ul style="list-style-type: none"> ■ Tactical and Strategic products were selected to leverage NIH's investment in products that are a proven fit for NIH's known future needs. Leveraging baseline products in the future will minimize the operations, maintenance, support and training costs for new products. ■ Some baseline products have been designated as Containment. These products are either not as widely or successfully deployed at NIH, or they do not provide as much functionality, value, or Total Cost of Ownership as low as the selected Tactical and Strategic products. ■ NIH Mail is based on the Microsoft Exchange Server model for Enterprise email. ■ ActiveSync is listed as a product allowed by NIH Firewall rules. ■ Unified Communications is combining all communications (phone, email, voicemail, fax, etc) into a single set of services. This is a growing trend in the IT industry. Voice Over Internet Protocol (VOIP) is a main component of UC and converts phone systems to Internet network-based voice communication systems. VOIP can be addressed as a standalone service, but is more frequently deployed as the main component in UC. 	

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4 Links

The following links are relevant to the standard at NIH.

- What is a Brick ?
<http://enterprisearchitecture.nih.gov/ArchLib/Guide/WhatIsBrick.htm>
- How to Create and Publish a Technical Standard at NIH
<http://enterprisearchitecture.nih.gov/About/Approach/StandardsDevelopmentProcess.htm>
- Messaging Server Software Brick
<http://enterprisearchitecture.nih.gov/ArchLib/AT/TA/MessagingServersBrick.htm>
- NIH Mail public information website
<https://emib.cit.nih.gov/services/Pages/default.aspx>
- NIH Messaging Clients Brick
<http://enterprisearchitecture.nih.gov/ArchLib/AT/TA/MessagingClientSoftwareBrick.htm>
- Instant Messaging Client Brick
<http://enterprisearchitecture.nih.gov/ArchLib/AT/TA/instantmsgnclient.htm>

5 Contact

To contact the NIHRFC Editor, send an email message to
EnterpriseArchitecture@mail.nih.gov

6 Changes

Version	Date	Change	Authority	Author of Change
1.1	1/6/2010	Initiation		Joe Klosky
1.2	3/2/2010	Minor formatting changes	NIHRFC0001	Kiley Ohlson
1.3	4/19/2010	Incorporated comments	NIHRFC0001	Kiley Ohlson
2.0	5/25/2010	Approved by ARB with Updates	ARB	Kiley Ohlson

7 Author's Address

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8 Summary of Comments

Comment

Under Tactical add:

- ActiveSync

Under Strategic add:

- ActiveSync
- Microsoft Exchange 2010

Under Baseline Environment add:

- ActiveSync

Why isn't Exchange 2010 listed?

Response

Active sync added to baseline. Is this supported via the NIH firewalls? Listed as contained until verified by IT Security.

Exchange 2010 should be listed as Strategic, but we tend to run mail server versions several years. The version was updated but subject to plans and budget for this logical path upgrade.