

Email Client 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.

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1 Introduction

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

2 Description

Messaging client software includes software and applications that run locally on workstations to enable peer-to-peer asynchronous communications. Integrity is one of the three elements of modern information assurance. Integrity relates to the IT design principal that data only changes as intended. Integrity ensures data is consistent, certified, and reconciled (if required). This supports the integrity principle that, when performing functions on the data, the functions ensure integrity by default.

3 Messaging Clients Software

This brick provides baseline information of the as-is architecture and the future direction for using messaging client 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 Client Software

Tactical Deployment (0-2 years)	Strategic Deployment (3-5 years)
<ul style="list-style-type: none"> ■ BlackBerry Messenger and PIN to PIN ■ Mac OS X Mail Client ■ Microsoft Entourage ■ Microsoft Outlook 2007 ■ RSS Feeds ■ Web browser-based clients ■ Web browser-enabled discussion threads 	<ul style="list-style-type: none"> ■ TBD
Retirement Targets (Technology to eliminate)	Containment (No new deployments)
<ul style="list-style-type: none"> ■ Meeting Maker ■ Microsoft Exchange Client ■ Novell GroupWise (NLM) ■ UNIX/Linux (Pine, Elm, etc.) ■ Eudora 7.x (IMAP Only) 	<ul style="list-style-type: none"> ■ POP based E-mail ■ Microsoft Outlook 2003
Baseline Environment (Today)	Emerging (Technology to track)
<ul style="list-style-type: none"> ■ BlackBerry Messenger and PIN to PIN ■ Eudora 7.x (IMAP Only) ■ IMAP based email clients ■ Mac OS X Mail Client ■ Meeting Maker ■ Microsoft Entourage ■ Microsoft Outlook 2003 or newer ■ Microsoft Exchange Client ■ Novell GroupWise (NLM) ■ POP based E-mail clients ■ RSS Feeds ■ UNIX/Linux (Pine, Elm, etc.) ■ Web browser-based clients ■ Web browser-enabled discussion threads 	<ul style="list-style-type: none"> ■ Social networking tools – Facebook, Twitter, and other web-based services ■ Unified Communications Services (all in one email, Fax, collaboration, chat, desktop video, voice mail, etc)
Comments	

- 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.
- Microsoft's Outlook Web Access (OWA) is software that replicates many of the Outlook client features, but exists on the Microsoft Exchange Server, accessed via a web browser.
- Eudora is developing an Open Source version called 'Penelope' through Mozilla

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 Client Software Brick
<http://enterprisearchitecture.nih.gov/ArchLib/AT/TA/MessagingClientSoftwareBrick.htm>
- Messaging Server Brick
<http://enterprisearchitecture.nih.gov/ArchLib/AT/TA/MessagingServersBrick.htm>
- NIH Mail public website <https://emib.cit.nih.gov/services/Pages/default.aspx>

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	1/6/10	Initiation		Joe Klosky
1.2	2/8/10	Minor formatting changes	NIHRFC0001	Kiley Ohlson
1.3	4/19/10	Incorporated comments	NIHRFC0001	Kiley Ohlson
2.0	5/25/10	Approved by ARB with Changes	ARB	Kiley Ohlson

7 Author's Address

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8 Summary of Comments

Comment

Under Tactical add:

- Web Browser based clients.

Under Strategic add:

- Web Browser based clients.

Under Retirement add

- POP
- IMAP

Under Containment add

- POP4
- IMAP

Under Baseline add

- IMAP

Response

Pop and IMAP are slated for retirement. Joe has requested the documentation to support these requests. In the meantime, those items will remain unchanged.