

Enterprise Architecture Standard

Email Hygiene and Encryption Standard

Reference Model Type and ID No: TRM 2.8.861.001

Status: Approved

Analysis: (Burton Group, Microsoft, Best Practices, Office of Technology Services (OTech))

Effective Date: 12/15/2010

Next Review Date: 12/14/2011

Approved By: California Technology Agency (Technology Agency)¹

Introduction

The purpose of this Email Hygiene and Encryption Standard (E-Hub) is to define the centralized email hygiene and encryption service standard to be used by all email systems within the Executive Branch of state Government. All other statewide offices may choose to use the E-Hub service. The Email hygiene solution is a comprehensive tool/service that includes anti-spam filtering, anti-virus scanning of email messages and attachments, email content/policy filtering, and email encryption. This service will enhance the security and protection of statewide email services and diminish the impact of spam on the state's networks. In addition, the centralized E-Hub solution will reduce the use of disparate email hygiene tools which will further the intent of Government Code 11545(b) (3) which is to minimize overlap, redundancy and cost in state operations by promoting the efficient and effective use of Information Technology (IT).

Standard Requirements

Centralized email filtering and encryption is delivered through the OTech E-Hub service. The E-Hub service provides email filtering, anti-virus, malware and encryption through the following cloud based services from Microsoft:

- Microsoft Forefront Online Protection for Exchange
 - Forefront Online Protection for Exchange consists of layered technologies to actively help protect businesses' inbound and outbound e-mail from spam, viruses, phishing scams, and e-mail policy violations.

- Microsoft Exchange Hosted Encryption
 - Microsoft Exchange Hosted Encryption provides policy-based encryption from sender to recipient with no end-user training or software installation.

¹ Effective January 1, 2011, the Office of the State Chief Information Officer (OCIO) is renamed the California Technology Agency (Technology Agency).

Authorities

Section 11545 of the Government Code (b) The duties of the Secretary of the Technology Agency shall include, but are not limited to, all of the following: (2) Establishing and enforcing state information technology strategic plans, polices, standards, and enterprise architecture.

Implementation

To transition to E-Hub, agencies must submit a standard Service Request to the Office of Technology Services (OTech). The Service Request is located at <https://cssweb.dts.ca.gov>. For assistance in completing the Service Request, organizations can contact their OTech Account Manager or Customer Service Representative.

Changes and variances to this EA Standard may be proposed using the Compliance Component Tools in Section 3.2.2 of the [Enterprise Architecture Developers Guide](#), and by following the EA Compliance Package submittal instructions in Section 5.2. Additional detail is also included in Section 4.1 within the “Compliance Components Modification” sub-section. The [Enterprise Architecture Developers Guide](#) is available in Section 58A of the [Statewide Information Management Manual](#).