



DEPARTMENT OF DEFENSE
6000 DEFENSE PENTAGON
WASHINGTON, DC 20301-6000

FEB 02 2009

CHIEF INFORMATION OFFICER

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
ASSISTANT SECRETARIES OF DEFENSE
GENERAL COUNSEL OF THE DEPARTMENT OF
DEFENSE
DIRECTOR, OPERATIONAL TEST AND
EVALUATION
INSPECTOR GENERAL OF THE DEPARTMENT OF
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MANAGEMENT
DIRECTOR, PROGRAM ANALYSIS AND
EVALUATION
DIRECTOR, NET ASSESSMENT
DIRECTORS OF THE DEFENSE AGENCIES
DIRECTORS OF THE DoD FIELD ACTIVITIES

SUBJECT: DoD Enterprise Services Designation -- Collaboration, Content Discovery,
and Content Delivery

Title 10 U.S. Code Section 2223 and Department of Defense Directive (DoDD) 5144.1 require the DoD Chief Information Officer (CIO) to provide for the elimination of duplicate information technology (IT) and national security systems within and between the military departments and Defense Agencies. DoDD 8000.01 requires the DoD CIO to issue enterprise-wide plans, policies, and procedures that enable the DoD Components to effectively and efficiently manage information resources, including IT.

The use of common information technology capabilities and services across the DoD can improve warfighting effectiveness, improve interoperability and reduce cost. This is the first in a series of memorandums that will define DoD-wide common information technology solutions as DoD Enterprise Services (DoD ES).

The DoD Information Enterprise (IE) will include global access to common DoD-wide solutions that enable our men and women to access the people and information resources they need from any computer anywhere in the world. We have put in place a



rigorous Enterprise Services Business Model & Governance Process to identify, prepare and evolve enterprise solutions for use across DoD through the Enterprise Guidance Board (EGB) reporting to the CIO Executive Board (CIO EB). Membership includes representatives from the Military Departments, Joint Staff, and selected Defense agencies and Offices of the Secretary of Defense. Candidate enterprise services are recommended for DoD ES designation based on technical, operational, and financial criteria.

The following candidate enterprise services have been evaluated and accepted by the EGB and are designated DoD Enterprise Services:

Collaboration Services – the Defense Information Systems Agency (DISA) - provided Collaboration Services (a.k.a. E-CollabCenter and Defense Connect Online [DCO], formerly known as Buttons #1 and #2, respectively) are the enterprise solution for collaborative Internet Protocol (IP) -based conferencing (audio and video over IP conferencing with shared desktop and embedded text chat).

Content Discovery Services – the Director of National Intelligence (DNI) Intelligence Community Enterprise Solutions (ICES) Directorate-provided Content Discovery Services (i.e., centralized and federated searches and enterprise catalog repository) is the enterprise solution for making information assets visible via content discovery.

Content Delivery Services – the DISA-provided GIG Content Delivery Service (GCDS) is the enterprise solution for distributed content caching.

Additional information on each enterprise service and the technical points of contact are provided in the Attachment.

Components will develop and submit a Component DoD Enterprise Service Implementation Plan to the DoD CIO for Collaboration, Content Discovery, and Content Delivery no later than March 31, 2009. Component DoD Enterprise Service Implementation Plans will:

- Identify all existing information systems, initiatives and programs which provide or use collaboration, content discovery, and content delivery capabilities
- Identify the component level providers and consumers of collaboration, content discovery, and content delivery services which they plan to migrate to the designated DoD Enterprise Services

- Identify mission need and business case for retaining existing collaboration, content discovery, and content delivery capabilities that will not migrate to the enterprise solutions. Provide Plan of Action & Milestones (POA&M) to consolidate retained services at component level

DoD CIO staff, in collaboration with designated enterprise service providers for each DoD ES, Joint Staff and Component CIOs, will use Component DoD Enterprise Service Implementation Plans to develop an over-arching DoD Enterprise Service Implementation Plan including a POA&M for the delivery of technical standards and policies for the seamless integration of component level services. This effort will be undertaken as an EGB Tiger Team.

Absent a compelling operational need or documented business case, documented in the Component Enterprise Service Implementation Plan, no IT investments shall be planned for or initiated to develop, modify or sustain capabilities comparable to the designated DoD Enterprise Services.

Individual points of contact for each of these services are provided in the attachment. The DoD CIO point of contact for DoD Enterprise Services designation and implementation is Mr. Martin Costellic. He can be reached at (703) 602-0866 or martin.costellic@osd.mil.



John G. Grimes

Attachments:
As stated

Attachment

Overview of Select Enterprise Services

Collaboration

Overview

DISA procured two commercially managed services (i.e., Adobe Connect/Jabber and IBM Sametime) to meet DoD enterprise collaboration requirements. The Enterprise Collaboration services enable synchronous communication using instant messaging, low-bandwidth text chat, and web conferencing. Instant messaging and web conferencing both include text-based communication, while web conferencing adds shared whiteboards, desktop & application sharing, and the ability to invite non-DoD personnel into collaboration sessions.

Contact

For more information please contact <https://www.e-collabcenter.com>, <https://www.dco.dod.mil>. For SIPRnet access, please contact <https://www.e-collabcenter.nces.dod.smil.mil/wps/myportal> and <https://www.dco.dod.smil.mil>

Centralized Search

Overview

The Enterprise Search service provides a web or portal user the ability to perform a full-text and metadata search of enterprise content. The search is performed using both a centralized index and disseminating queries to remote search services.

The centralized index is built using a web crawl of web sites and file shares made available by the sponsoring organizations for the DoD enterprise. Upon receiving a query from the user, Enterprise Search uses the index to generate a set of results. The current vendor for the centralized index and query processing capability is Google.

The Enterprise Search service also allows a user query to be federated to a large set of disparate data providers, and collects the results generated by each. The search results, from both the remote sources and the central index, are purged of duplications, ranked by relevance, etc. before being returned. Federation allows a query originating from one place using one syntax and retrieve relevant data from provider sites made available by the sponsoring organizations for the DoD enterprise. Federated queries are expressed in the native language of the local search service, including the Defense Discovery Metadata Specification (DDMS) which is used by the Search Web Service (SWS) 1.3 Federated Search service. Each item in the returned list of results is returned as a DDMS

metacard containing a URL, a document title, a summary of the document, and other document metadata. The current vendor for federated query capability is Inxight.

Contact

To find out how to enable the Centralized Search service across your enterprise, please visit: https://www.intelink.gov/wiki/ICES_Services/Search,_Discovery,_and_Delivery
https://www.intelink.gov/wiki/Intelink_Dispatcher
https://www.intelink.gov/wiki/Intelink_Search_Help

To use the enterprise search capability, please visit <https://www.intelink.gov/search>

For more information please go to <https://www.us.army.mil/suite/page/384284>, call the Helpdesk at (614)692-3136/(DSN)850-3136 or send email to nces@csd.disa.mil.

Federated Search

Overview

The Federated Search service allows a query to be sent to a large set of disparate data providers, collects the results generated by each, and returns all results to the requestor. The search results purged of duplications and ranked, etc. before being returned. This allows an end user to submit a query from one place using one syntax and retrieve relevant data from provider sites made available by the sponsoring organizations for the DoD enterprise. The Defense Discovery Metadata Specification (DDMS) is used by the Federated Search service to represent the concepts of a query as well as the resource result records, called meta-cards, generated by a search result. The current vendor for federated search is Google.

Contact

To find out how to enable the Federated Search service across your enterprise, please visit: https://www.intelink.gov/wiki/ICES_Services/Search,_Discovery,_and_Delivery
https://www.intelink.gov/wiki/Intelink_Dispatcher
https://www.intelink.gov/wiki/Intelink_Search_Help

To use the enterprise search capability, please visit <https://www.intelink.gov/search>

For more information please go to <https://www.us.army.mil/suite/page/384284>, call the Helpdesk at (614)692-3136/(DSN)850-3136 or send email to nces@csd.disa.mil.

Enterprise Catalog

Overview

The Enterprise Catalog is a central repository of content metadata that can be queried using a number of specialized indexing tools, including faceted search and geographic search tools. The application provides the capabilities to search and add data sources while conforming to the open Web standards and leveraging the Defense Discovery Metadata Standard (DDMS). From the Enterprise Catalog Search Page, a user may search against multiple metadata sources of catalog information by submitting a search term or URL. The current vendor for enterprise catalog is Google.

Contact

To find out how to enable the Enterprise Catalog service across your enterprise, please visit: https://www.intelink.gov/wiki/ICES_Services/Search,_Discovery,_and_Delivery

For more information please go to <https://www.us.army.mil/suite/page/384284>, call the Helpdesk at (614)692-3136/(DSN)850-3136 or send email to nces@csd.disa.mil.

GCDS

Overview

The use of GCDS allows web sites to improve the availability, scalability and overall performance of their site. The use of GCDS leads to improved scalability by offloading origin hits and origin bandwidth, an improved user experience, as well as an improvement in page load time. The current vendor for GCDS is Akamai.

Some of the features of GCDS include:

- NIPR Content Delivery
- SIPR Content Delivery
- NIPR Secure Content Delivery
- SIPR Secure Content Delivery
- Last Mile Accelerator
- Log Delivery Service
- Alerts
- Site Failover

Contact

For more information please contact NCES Helpdesk at (614)692-3136/(DSN)850-3136, or, by email at nces@csd.disa.mil.

Attachment 2
DoD Enterprise Service Oversight Structure

