

NAVY ENTERPRISE PORTAL

What are Web Services?

- **All Navy applications and databases**, operational and administrative, are being migrated to “Web services” that will be available through the NEP.
- **“Web services”** refers to the technologies that allow you to find and connect to enterprise wide information that’s important to you.
- **Navy Web services** use industry standards for describing—Web Services Description Language (WSDL), connecting (SOAP) and encoding (XML) application logic through the NEP.

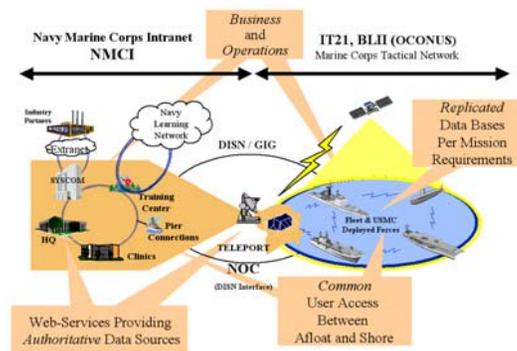
Why Web-Enable?

- **Easy access to authoritative data.** Web services can be accessed through standard Internet browsers.
- **Easy sharing of services.** Web services are registered in the Universal Description, Discovery, and Integration (UDDI) registry, making them available for discovery and integration with other applications.
- **Enterprise management of service offerings.** All services are described and registered in the NEP, making them visible to enterprise information technology planners. This promotes authoritative data, prevents redundancies in services, and allows best-of-breed applications to rise to the top.
- **Visibility of YOUR services** through the NEP. Perhaps the greatest benefit of Web-enabling your application is inclusion in the NEP—the secure, single sign-on, user-customizable, comprehensive work place for the Navy and Marine Corps.

Enterprise Services

Very often, “enterprise” solutions are developed without proper planning for the overall complexity of the communications context in which they will operate.

Task Force Web engineers understand the challenges of implementing a solution between enclaves of vastly differing communications infrastructures and factored in critical required elements for an effective enterprise solution from the beginning.



High-Level Overview

These elements included bandwidth limitations, synchronization, replication, configuration management and security.

In taking this approach, the Navy created a context for Web enablement that guarantees success for Web-service developers.

Capabilities

- **Design** – Web-services architecture; Government Off-The-Shelf (GOTS) software components
- **Development** – Utilizing best practices in software design, development, and documentation
- **Engineering and Integration** – Hardware and software integration, Commercial Off-The-Shelf (COTS) and GOTS integration
- **Installation** – Hardware and software installation and integration in Network Operations Centers (NOCs) and ships
- **Test/Certification Services** – Application Migration Technical Support (AMTS) provides assistance in the development, testing and certification of Web services



Marine Corps Enterprise Portal View

NAVY ENTERPRISE PORTAL

Overview

- **NEP provides the enterprise infrastructure** for accessing Web services through a common user interface.
- **The user experience** is an important element of the NEP, providing a common “look and feel” for the user. Users are given many options for customizing the information they want to see and the collaborative tools they wish to use.
- **A Web-services architecture** based on industry best practices, allows the Navy to leverage powerful new technology to move and share data more quickly, securely, and reliably.



Navy Enterprise Portal View

- **Task Force Web (TFW)** was chartered by the Vice Chief of Naval Operations in April 2001. TFW leads the way for the Navy's transformation into a Web-enabled enterprise. TFW sets technical standards for migrating applications to Web services. TFW implements a Web-services architecture operating between IT-21, NMCI, and BLII communities.

Accomplishments

- **Deployed** the only enterprise portal solution in the Navy that operates in Navy Marine Corps Intranet (NMCI), Information Technology for the 21st Century (IT-21), and Base-Level Information Infrastructure (BLII).
- **Provided** the first-ever single guidance document for Web service: the Navy Enterprise Application Developers Guide.
- **Installed** the NEP in seven ships from the USS Theodore Roosevelt Battle Group, COMSECONDFLT, Fleet and shore NOCs in Hawaii.
- **Tested and Integrated** over 100 Web services into the NEP.
- **Participated** in the FY03 FORCENet experiments and demonstrations.

For additional information, please contact:

Reviewed and approved by

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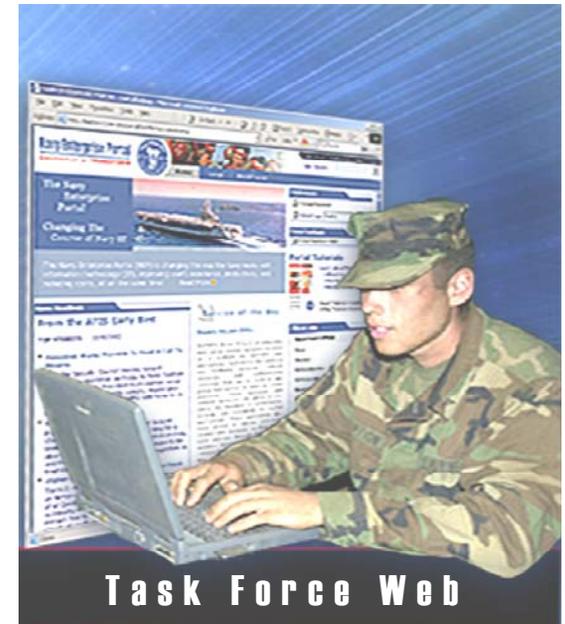
Commanding Officer
SSC San Diego
San Diego, CA 92152-5001
SD 505
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Task Force Web

Changing the Course

of

Navy IT