

ORACLE IS THE INFORMATION COMPANY

Deliver Information Age Force Generation, Projection, and Support to Combat 21st Century Challenges

Oracle iGovernment

Information superiority, specialized yet flexible force make-up and mobility, rapid yet optimal acquisition of materials, and integration of all military branches and coalition partners are some of the key requirements facing today's Defense forces. Oracle's proven track record of providing the right IT to support defense organization transformation, makes us the clear choice for Defence modernization programs.

Force superiority in today's armed forces begins and ends with their ability to operate in the information age. Speed of communication removes hierarchies, and accelerates decision-making and reaction in battlefield conditions or non-conventional operations like natural disasters. The ability to fuse vast amounts of information from multiple sources into clear situational awareness and decision-support is as critical as force size and weapons capabilities. The ability to assign functional capabilities such as resupply and maintenance to a joint force, coalition partner, or even a 3rd party, deliverable to all parties as an integrated and intelligent shared service, establishes a best-in-class force multiplier.

Yet, today's armed forces are plagued by siloes of legacy and mismatched weapons, sensor and supporting ERP platforms, incapable of net-centric operations without significant expenditure of time and external SI support resources. To counter these transformational barriers, defense organizations are turning to advances in IT, standards-based Commercial Off-the-Shelf (COTS) software, and tools for process re-engineering and automation. In combination, these solution elements are quicker to deploy, less costly to extend and maintain, and easier to integrate across organizations.

Many forward-thinking Defense organizations have a vision of what is required for real transformation and fully understand that it will require a more innovative IT framework along with changes in their cultural and organizational policies and behaviors. Oracle's COTS solutions cover all aspects of an integrated and intelligent enterprise architecture to meet all defense force requirements, from the personalization and streamlining of recruitment and training to the in-theatre command and control operations for fielded soldiers... Oracle provides COTS software for the entire spectrum of underlying IT functionality required for defense operations, from infrastructure and analytics to mission management and force support. Oracle's solutions enable defense organizations to:

Did You Know?

- Oracle Applications and Technologies support mission critical operations in all agency-level and military branches of the U.S Department of Defense
- 23 of the 26 NATO countries run Oracle Applications
- 11 of the 20 largest Ministries of Defense worldwide run Oracle Applications

- Deliver 21st Century Net-Centric Capabilities to the Network's Edge
- Integrate and Provide Secure Role-based Information
- Effectively Recruit, Develop and Deploy Personnel
- Optimize Force Support and Logistics for Mission Success

ORACLE®

"It is clear that the Alliance will only be able to achieve its operational ambitions if future force structures are well supported by flexible, adaptable, highly interconnected, communication networks and information systems. "

NATO NEC Feasibility Study

"DOD relies on both its own ISR assets and national ISR assets to provide comprehensive intelligence in support of its joint warfighting force. As DOD works to define its ISR capability requirements and improve integration of enterprise wide ISR capabilities, the department is faced with different and sometimes competing organizational cultures, funding arrangements, and requirements processes, reflecting the diverse missions of the many intelligence community agencies that DOD supports."

US GAO Study, March 2008

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Deliver 21st Century Net-Centric Capabilities to the Network's Edge

21st century net-centric warfare has three core tenets from an information superiority standpoint: First, a complete shared Common Operational Picture (COP) must be established and maintained; second, the ability to share the information across military rank, branch, and to and from coalition partners (both military and non-military), all with respect to the COP; and third, that the first two can be done in a secure, role-based, multi-level fashion. The price of a time-lag in delivering the right information and assets to the right personnel could be the failure of warfighters in accomplishing their missions. Oracle's portfolio of products empowers you to support force projection into a theatre of operations, sustain those forces and protect them as well. Oracle provides the business process management, intelligence, project planning and projection, and governance tools to support up-front analysis, essential for planning integrated mission management of all operational resources.

Oracle's application and service delivery infrastructure portfolio Fusion middleware and Real-Application Clustering (RAC) provide a standards-based COTS platform to allow for enterprise-grade encapsulation of legacy and heterogeneous weapons, sensor and force support platforms and dissemination of information and application services across joint forces community members or a Community of Interest (COI). As a result, Oracle enables Defense organizations to deploy superior Network Enabled Capabilities (NEC) on a service-oriented architecture (SOA) enabled infrastructure for synchronized command and control within a COP, thereby eliminating platform silos.

Integrate and Provide Secure Role-based Information

Defense forces and intelligence communities rely on accurate and timely, trusted data, delivered through secure collaborative portal environments for quick analysis and rapid response. In a world where information generation and retention is growing at an almost exponential rate, the real challenge is the aggregation, filtering and application of processing algorithms to multi-INT data along with the analytical tools, intelligence case management and secure collaborative environments that will transform heaps of unintelligible data into real-time, packaged intelligence that, in turn, can be granularly mapped into compartmentalized security levels and shared on a role-based, need-to-know basis..

Oracle offers market-leading, comprehensive yet modular solutions for secure information collection, retention, aggregation and conversion to packaged intelligence results that can be shared across secure compartmentalized networks. Oracle's database technology and its accompanying vault, spatial and protection profile offerings in conjunction with Oracle fusion middleware and Oracle's business intelligence, master-data-management, and case management product suites can be used to build Intelligence Fusion centers and Business Intelligence Data Warehouses out of existing, disparate COI member data and intelligence repositories as well as integration with front-end sensor-grid systems. These technologies and applications can be brought to bear as a total, Oracle-only solution set or modularly integrated together in conjunction with existing 3rd party investments.

Oracle not only offers solutions to create and manage secure information services and the underlying infrastructure but also the capability to manage the support personnel and the intelligence analysts and end-users for those systems. Oracle provides the data security and identity management frameworks built on open standards and capable of handling security and role-based identity-driven application and information services across Oracle Database, applications and middleware, as well as non-Oracle applications and underlying infrastructure platforms. Oracle's leading identity management solutions allow you to centralize identity administration and verification processes, and interface with Human Resource (HR) / Human Capital Management (HCM) systems which Oracle also provides. Moreover, Oracle supports policy-based security and single sign-on to multiple applications, decouple data repositories tied to legacy platforms and expose them as services, enforce the segregation of duties and restrict data access as well as the case management of the establishment, tracking, and changing to the security clearances for the personnel involved in your confidential and classified networks and the associated assets and privileges to those assets that are allocated to them.

"As the cornerstone of military personnel transformation, DIMHRS is the vehicle for fielding and resourcing a fully integrated human resources system, while simultaneously supporting re-engineered business processes, replacing failing systems, reducing data collection burdens, enhancing readiness, and connecting soldiers, sailors, airmen and marines directly to their personnel and pay system."

US DIMHRS

"The Air Force can no longer view logistics processes in terms of functional areas but as a single integrated logistics enterprise. ECSS will combine hundreds of programs that make up the Air Force logistics process, which provided only fragmented insight into the logistics chain, into one integrated and interoperable system."

Col. Tom Hamilton
ECSS Program Manager, U.S. Air Force

"The most significant DEAMS benefit is greatly improved cost management information. The financial manager of the future will know exactly what it costs to deliver a shipment, complete a project, utilize a specific transportation platform, or achieve specified outputs."

Mr. John Senn
DEAMS Functional Manager

Effectively Recruit, Develop and Deploy Personnel

Providing a net-centric environment, cannot in isolation, empower the individual warfighter. Effective recruitment and matriculation, on-going skill-set development and an overall mapping of mission strategy to the tactical deployment of personnel are just as critical. Force generation—the ability to build-out military forces, dynamically configure force composition to the mission, and even do the same for the supporting civilian personnel and contractors - are representative of the new challenges facing today's Defense organizations.

Force deployment challenges have changed as well: increasingly, there are no clear lines of demarcation between battlefield front-lines and safe rear guard zones, and often winning hearts and minds or supporting a humanitarian mission means learning more than just how to maintain and use a weapon or sensor platform. Field commanders must be concerned not only with the skill set composition and communication lines to their own forces but also their ability to incorporate a view of coalition and joint force manpower capabilities and expose your own force capabilities to partners as well.

Oracle provides a COTS set of applications and technology that optimally mix the features and functionality needed to optimize military manpower and improve operational processes of reset, ready and resupply of trained and ready forces from traditional branch forces to mixed composition Special Forces such as those found in Rapid Reaction strike teams.

Oracle's enterprise learning management solutions lower training costs and efficiently manage, deliver, and track both on-line and classroom training. In addition, automatically updated competency profiles link the learning system with force planning processes—to ensure that the mission needs are consistently met. Oracle's market-leading, self-service portals provide a single, secure point of entry to the both 3rd party and Oracle HR/HCM systems. They enable the authorization of military and civilian personnel to maintain information such as personal profiles, benefits and expenses. Officers can perform transfers, deployments, promotions, and compensation and performance reviews. Combined with campaign policy and mission process automation and orchestration commanders can optimally organize at the unit level across short and long-term planning horizons, supporting skilled manpower and associated material resource acquisition, deployment planning and execution, sustain fully functioning in-field readiness, cycle back for rest and retraining out of theater, and eventual redeployment. The results are streamlined modular force composition, reduced probability of casualties related to poor planning, rotation and pre-deployment training - overall, improved readiness across the recruit-to-fight-to-retire cycle.

Optimize Force Support and Logistics for Mission Success

A critical part of force projection, protection and sustainment is ensuring that the troops are equipped and supplied with the right supplies and logistical support. Force support and logistics modernization covers a wide range of issues, including procurement, project and contract management, logistics with respect to asset management and supply-chain management required for everything from field rations, fuel and water to the maintenance, repair and operation of complex weapons platforms and sensor systems.

Oracle provides all the capabilities that are required by Defense organizations to modernize logistics functions. Oracle provides the most comprehensive procurement and contract management solutions, with pre-integrated advanced analytics and reporting. Oracle's COTS logistics and transportation management solutions enable you to automatically collect logistics data, interpret it and make real-time supply chain decisions. Oracle's asset life-cycle management applications support sophisticated condition-based maintenance strategies for consumable goods, property, weapons platforms and defense infrastructure to maximize utilization. Oracle's integration capabilities enable mission-driven, sense-and-respond logistics, giving you a comprehensive view of all logistics data, across all forces.

Key Oracle Defense

Solution Partners

Oracle has worked with many partners around the world to support Defense Organizations including (but not limited to):

- BAE
- CACI
- CSC
- Lockheed Martin
- NEC
- Netstar
- Northrop Grumman
- Raytheon
- SRA
- Thales

Oracle's End-to-End Solution

Oracle is committed to serving the IT needs of the military organizations worldwide, modernizing them, increasing their efficiency and transparency and ultimately transforming their operations as well as those of their systems integration and support contractors. Oracle has been selected as the, C4ISR SOA platform, application infrastructure and or ERP platform of record in several major Defense organization programs around the world. In many of these cases, including the projects behind the quotes in the side bars above, what really separates Oracle from its competition in supporting real transformation for these organizations has been the modernization of the underlying IT systems including the rapid retirement of often tens or hundreds of legacy systems, integration with other legacy systems that are most intractable, all with extended functionality when compared with the former systems-of-record, reformatted as more transparent and efficient services to multiple parties who formerly had their own redundant in-house capabilities. This has been possible because of Oracle's innovative integration of our award winning applications such as EBS, Peoplesoft and Siebel through Fusion middleware to the existing heterogeneous environments at a far lower cost than the maintenance on the existing redundant systems that are retired. And, in doing so, Oracle tools and consulting expertise have been leveraged to re-evaluate exactly how IT can be used to overhaul mission operations in-line with changes to mission objectives and execution performance required by today's dynamic challenges.

Oracle provides the people, process and technology alongside proven commercial industry and defense platforms track records that substantiate our commitment to transform your organization across all four key areas above: net-enabled capabilities, secure information sharing and the modernization of your force recruitment, deployment, procurement and logistical support. Recent acquisitions and organic, in-house research and product development have only strengthened our efforts in this area. Oracle is the only vendor that provides all key components—database, middleware and applications that comply with key defense and intelligence information assurance standards, COTS directives, proven deployments against military enterprise reference architectures and provide Defense organizations flexibility to contract with a wide range of Systems Integrators.

Contact Us

To learn more, call +1.800.ORACLE1 to speak to an Oracle representative or visit oracle.com/government.

Outside North America, visit oracle.com/corporate/contact to find the phone number for your local Oracle office.



Oracle is committed to developing practices and products that help protect the environment

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