


Raytheon

Customer Success Is Our Mission

Raytheon's SOA Strategy



Bernal Allen
Raytheon Information Solutions
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Raytheon's Federal IT Market



Transform

Provide a new way of joint fighting

Stabilize

Better protect the nation

Modernize

Squeeze out inefficiencies

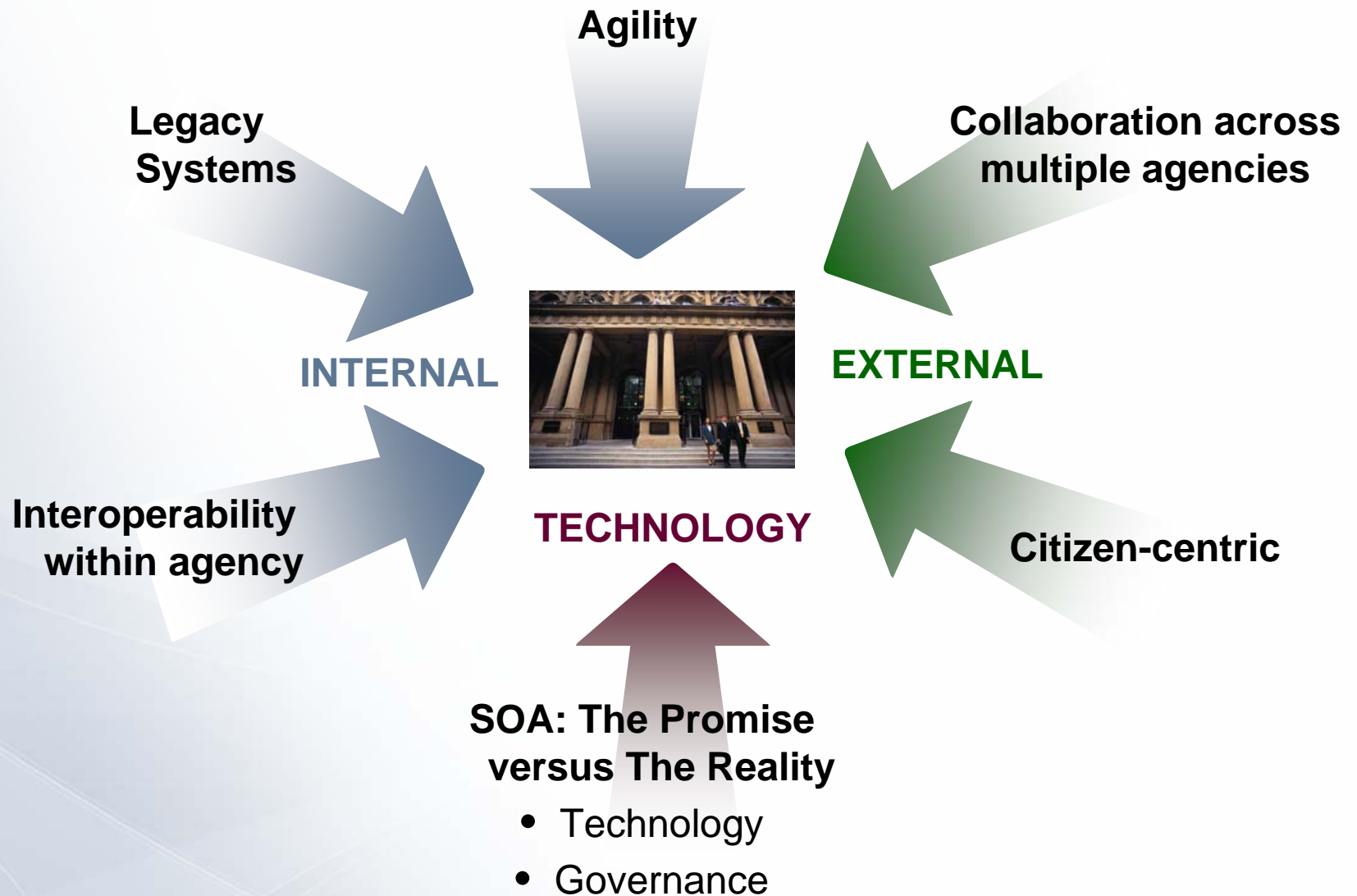
Integrate

Seamlessly share intelligence

Information Technology
Raytheon

Need for IT-Driven Solutions to Meet Agency Strategic Challenges

Agency Pressures



Raytheon's SOA Vision

The Federal government's preferred partner to deliver low-risk, highly adaptable SOA solutions that solve customer problems and deliver results.

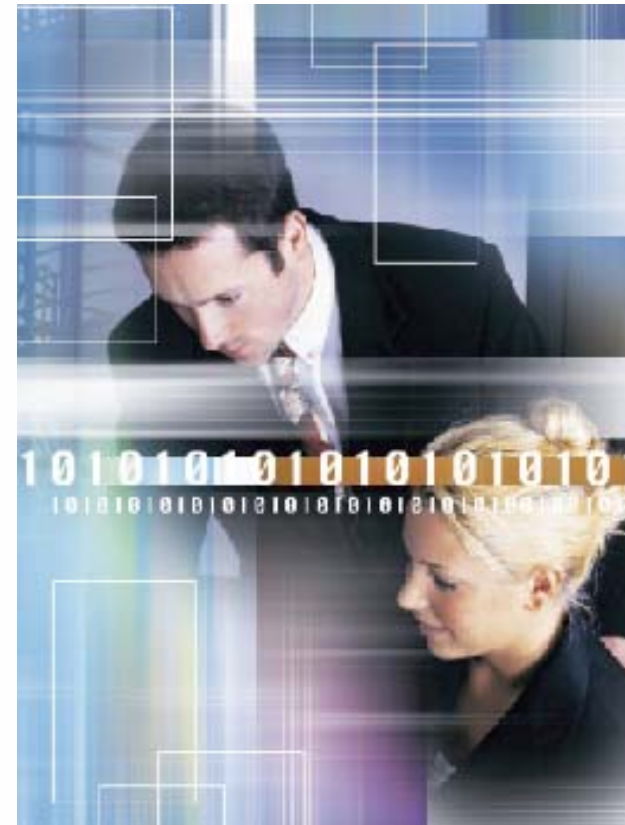
Raytheon's SOA Strategy

Effectively address Federal agencies' pressing internal, external and technology needs

- Holistic SOA approach
- Leverage domain expertise
- Partnership with SOA technology providers
- Low-risk integration of legacy systems
- Corporate-level commitment
- Quick to solution

Holistic SOA Approach

- Architecture
 - Integrating framework
 - Think top down and bottom up
- Technology
 - Standards driven
 - COTS based
 - Market awareness
- Governance
 - Policy-based
 - Security conscious
 - Configuration management
 - Promote reuse



A holistic approach yields scalable and flexible solutions

Leverage Domain Expertise

- In-depth knowledge of customer
- In-depth knowledge of cross-customer interoperability goals
 - 80 years working with the war fighter
 - 35 years with the intelligence community
 - 30 years with civilian agencies such as NOAA and NASA



Adapting mission systems to enterprise solutions

Partnership with SOA technology providers

Raytheon

- Significant partner investment into Raytheon's SOA approach
- Portfolio of solutions
- Influencing the partners' technology direction/investments
 - Bring customer problems to technology partners
- Solutions deployed in the Raytheon Integration Center (RIC)

SOA | software™



Our partnerships provides us a rich and broad understanding of the SOA solutions

Low-risk Integration of Legacy Systems

- Broad understanding of legacy systems... we built many of them!
- Proven methodology, process and tools to quickly, efficiently integrate legacy applications onto an SOA
- Commitment to Six Sigma methodology that minimize customer risks



Adapting mission systems to enterprise solutions

Corporate-level Commitment

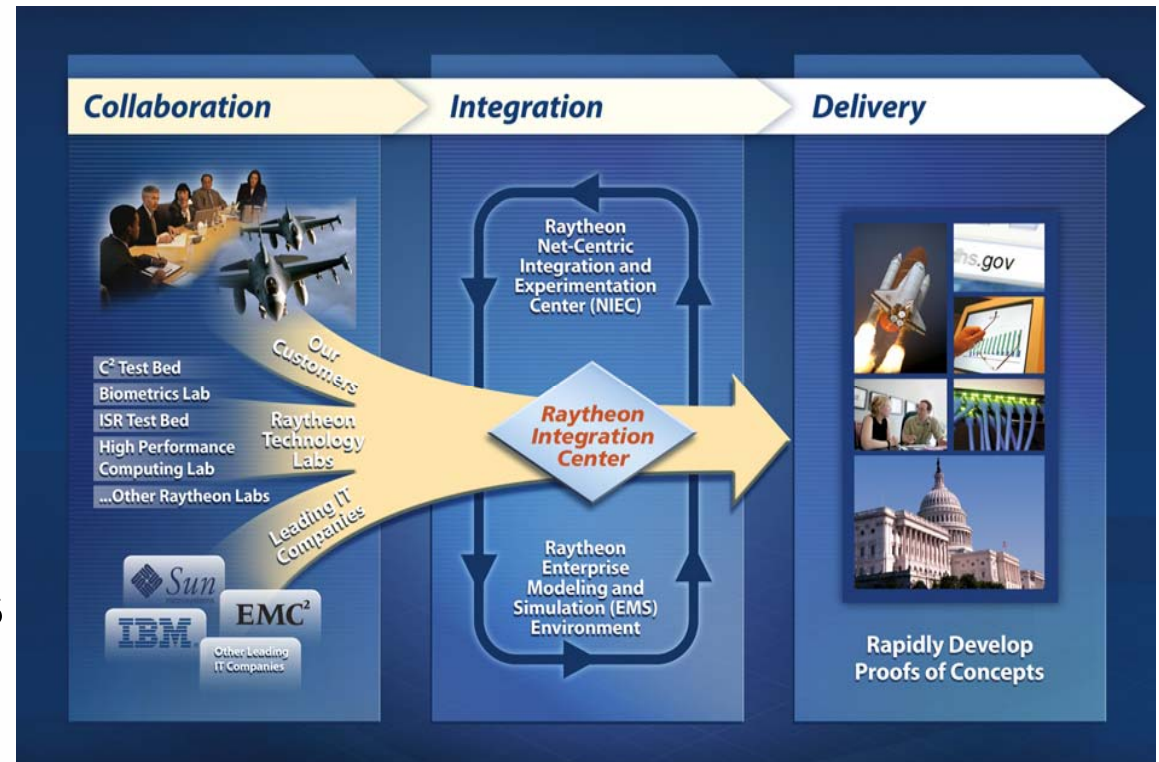
- Enterprise Campaigns
 - Core Enterprise Services, SOA
 - Horizontal Integration
 - Reference Architecture (C2)
 - Net-Enabled Command Capability (JC2)
- Integration and demonstration facilities
 - Raytheon Integration Center (RIC)
 - Net-Centric Integration and Experimentation Center (NIEC)
 - Enterprise Modeling and Simulation (EMS) environment



Raytheon's long-term commitment to SOA solutions

Quick to Solution

- Rapid prototyping approach
- Proven methodology, process and “cookbooks”
- Solutions in weeks
- Industry partners actively participate
- Customer actively participate



Think big, build small, scale fast

SOA Experience

Raytheon has a number of SOA engagements for the Federal government, including:

- The Air Force's **Distributed Common Ground System (DCGS)** program, Raytheon's flagship program that resulted in the DIB, can yield immediate benefits by extending SOA and Web services to the Warfighter and intelligence domains
- We are helping the **Department of Homeland Security** in migrating their systems into SOA
- For the Navy's **DDG1000** program Raytheon is implementing an SOA onboard the centerpiece surface combatant providing interoperability and data sharing between real-time, near-real-time and non-real-time systems
- **Web Enabled Execution Management Capability (WEEMC)** Air Force Program employing Web service / XML-based solutions for integrated fires and targeting
- **Army Field Artillery Tactical Digital System (AFATDS)** Employed by Army, USMC and Navy to provide C2 of ground fires systems. Example of a legacy system migrated to a SOA

Proven SOA solutions

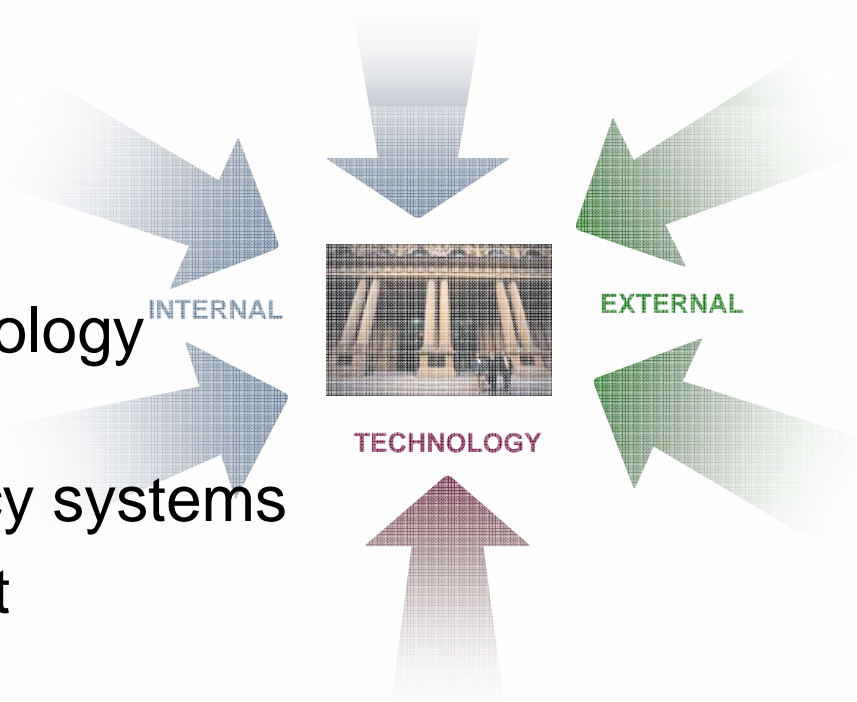
Summary

Raytheon's SOA Vision

The Federal government's preferred partner to deliver low-risk, highly adaptable SOA solutions that solve customer problems and deliver results.

Raytheon's SOA Strategy

- Holistic SOA approach
- Leverage domain expertise
- Partnership with SOA technology providers
- Low-risk integration of legacy systems
- Corporate-level commitment
- Quick to solution



Raytheon has the vision, strategy and experience to deliver SOA solutions

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Question & Answer Discussion



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For more information, contact:

Bernal Allen

Senior Account Executive

Raytheon Information Solutions

703.295.1558

Bernal.Allen@raytheon.com

www.raytheon.com/ris