# IONA for Federal Government

## SOA Solutions for Defense, Intelligence and Civilian Agencies

Many federal agencies struggle with aging IT environments and interoperability between new and existing systems. They are expected to do more with less while being held hostage by outdated technology investments. They are expected to reduce the costs of operating and maintaining existing IT systems that typically make up more than 80% of agency IT budgets.

Agencies need a better way to leverage existing IT systems, incrementally adopt new technology, and jumpstart service-oriented architectures (SOA), eGovernment, Federal Enterprise Architecture (FEA) and Service Component-Based Architecture (SCBA) initiatives.

To address these challenges IONA offers IONA Artix, the advanced SOA infrastructure suite and FUSE, a family of open source SOA components. IONA's comprehensive set of commercial and open source SOA products give government agencies a fast, flexible and cost-effective way to meet IT requirements. IONA's distributed, technology-neutral approach to SOA allows agencies to do more with existing systems, avoid big, upfront IT investments and eliminate vendor lock-in. With IONA products, defense, intelligence and civilian agencies can

- **Create an agile infrastructure**—IONA allows agencies to quickly and efficiently respond to even the most extreme requirements through its extensible patented plug-in architecture

- **Service-enable legacy systems**—IONA helps governments reuse existing IT assets and quickly incorporate technologies into new business processes without custom code

- **Avoid vendor lock-in**—IONA allows agencies to use best-of-breed infrastructure components and support any existing transport, payload format, security system, or management solution

- **Address SOA complexity**—IONA provides a way for agencies to adopt SOA incrementally by allowing agencies to purchase and deploy just what they need, when they need it, without a large initial investment

- **Leverage open source software**—FUSE is a unified, certified, and fully supported family of best-of-breed open source SOA projects, further reducing costs and increasing flexibility of SOA initiatives

## Key Benefits

### DEFENSE

- Achieve operational agility and flexibility while working with innovative, cutting-edge technology
- Maintain demanding levels of performance, security and reliability
- Make life or death decisions instantly based on timely access to accurate data

### INTELLIGENCE

- Collaborate between intelligence agencies enabling quicker decision making
- Reuse services in existing and future deployments
- Allow for mandatory integration of modern and legacy systems

### CIVILIAN

- More quickly compose and deliver new services to constituents
- Leverage existing IT investments by exposing them as services
- Provide better services to citizens

IONA®

Making Software Work Together™

# IONA SOA Jumpstart for Federal Projects

Many federal government agencies understand the capabilities and benefits of SOA infrastructure and open source technologies but lack a way to test the benefits of these solutions quickly and cost effectively. Oftentimes, several products need to be installed and configured on a separate computer, easily taking several days before you can create a simple helloworld application. IONA solves this problem with the Jumpstart program, a pre-assembled and customizable sandbox environment that only takes three hours to set up and learn. The program demonstrates the power of SOA infrastructure through relevant government-specific scenarios.

The sandbox includes a pre-built, pre-configured, and ready-to-run set of open source software applications that run inside a non-intrusive, VMware virtual machine. A contrived Command and Control center application is provided consisting of several web services. The package also includes documented code and instruction files that agencies can easily follow, reproduce and customize with the ability to swap out Jumpstart services with their own. The sandbox provides agencies with an easy way to get started and try new Web services technologies without interruption to existing environments.

## Key Capabilities

- Service Orchestration
- Routing
- Data Transformation
- SOAP Transport Mediation
- Asynchronous Messaging
- Security

## IONA Leadership

Since 1995, IONA has served federal, state, and local government agencies around the world with its standards-based products in support of highly secure, mission-critical applications and systems. IONA's technology drives complex systems in government including:

- Intelligent transportation systems
- Command, control and intelligence applications
- Criminal justice systems
- Satellite-based communications
- Imagery and geospatial systems

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