

# Services Oriented Architecture (SOA) Market

<https://marketpublishers.com/r/SB44C094D82EN.html>

Date: March 2013

Pages: 606

Price: US\$ 3,800.00 (Single User License)

ID: SB44C094D82EN

## Abstracts

WinterGreen Research announces the following study: Services Oriented Architecture (SOA) Market Shares, Strategies, and Forecasts, Worldwide, 2013-2018.

Worldwide markets are poised to achieve significant growth as the SOA systems provide the base for cloud computing and support the use of smartphones for transactions and collaboration. SOA is useful for addressing the need for flexible systems, the need for adaptation to mobile handset presentation of information, and the need for marketing analytics. SOA supports cloud computing solutions with a platform. IBM is the market leader, setting the defacto industry standard in SOA systems implementation. IBM WebSphere is the defacto SOA standard by virtue of providing a way to interconnect disparate siloed web applications within a large data center.

LEXINGTON, Massachusetts (April 24, 2013) – WinterGreen Research announces that it has published a new study Services Oriented Architecture (SOA) middleware. The 2013 study has 606 pages, 213 tables and figures. Worldwide markets are poised to achieve significant growth as the SOA systems provide the base for cloud computing and support the use of smartphones for transactions and collaboration. SOA is useful for addressing the need for flexible systems, the need for adaptation to mobile handset presentation of information, and the need for marketing analytics.

SOA supports cloud computing solutions with a platform. IBM is the market leader, setting the defacto industry standard in SOA systems implementation. IBM WebSphere is the defacto SOA standard by virtue of providing a way to interconnect disparate siloed web applications within a large data center.

IBM is the leader in SOA. IBM is the leader because it has invested in integration and analytics technology needed to achieve comprehensive IT systems implementation that achieves support for collaborative systems. The implementation of SOA depends on a

broad set of technology frameworks that interact seamlessly to achieve the end point integration needed to manage complexity of modern IT systems. IBM stands alone in the IT industry with that capability of managing complexity.

IBM SOA is used to implement cloud systems that stretch the boundaries of the enterprise to user end points, permitting marketing departments to target smartphones, implementing management decentralization and supporting user empowerment. SOA forms the base for business intelligence (BI) and analytics systems. It enables organizational ability to perform diagnostic analytics.

Service Oriented Architecture (SOA) is the foundation for modern transactional systems. As the Internet extends transaction systems to real time, SOA has been invented to extend the transaction systems appropriately. SOA supports the evolution of Internet based real time e-business and end-to-end business process integration. In the next decade, the same SOA principles will be at the core of a new era of business engagements that transact at Internet scale across locations, devices, people, processes and information.

IBM is able to manage scale and security. It has built a set of systems that have been criticized over the years for being too complex and too large, but now that the Internet and real time computing have evolved, IBM stands alone in its ability to scale reliably and securely.

IBM SOA is first and foremost tuned to supporting mobile application development, big data, and cloud computing. The SOA enterprise architecture supports mobile development by providing transparent seamless API support for all the different mobile smart phones. Infrastructure tools with business-user-friendly data integration, coupled with embedded storage and computing layers (typically in-memory/columnar) and unfettered drilling — accelerates the trend toward decentralization and user empowerment of BI and analytics, and greatly enables organizations' ability to perform diagnostic analytics.

Cloud and mobile computing redefine SOA, providing ways for companies to implement analytics and mine social media data to create information that is usable for decision making. These initiatives depend on a solid integration foundation, permitting IBM to increase its already large market SOA share because IBM has such comprehensive SOA platforms that hide complexity from users, supports efficient systems implementation.

SOA, mobile development , big data , API , cloud computing , framework architecture, enterprise architecture, mobile, and infrastructure tools are used to implement business-user-friendly data integration. coupled with embedded storage and computing layers (typically in-memory/columnar) and unfettered drilling — accelerates the trend toward decentralization and user empowerment of BI and analytics, and greatly enables organizations' ability to perform diagnostic analytics.

The key factors which should be in place for a cloud implementation of SOA are virtualization, reusability of services, governance procedures, security control systems and processes and an understanding of pricing of services as they are consumed over cloud.

Cloud computing amplifies SOA's impact. And the converse is also true, i.e., having SOA helps deliver better and a wider variety of services using the cloud environment. A case can easily be made that the ROI from cloud can be better and investment recovery can be much faster if SOA is used in designing the architecture.

The use of APIs for system-to-system communications is exploding with the use of mobile, social and cloud computing. Simple APIs are very popular for B2B integration. For example a cell phone carrier can offer a set of APIs to sell and provision a cell phone so retailers can carry their phones and offer the carriers' phone plans. Through APIs the retailer becomes a channel for the carrier.

A use of SOA APIs in retailing is to support multi-channel systems implementation, which means giving the same user experience in store, on mobile devices, and over the web. Traditional retail systems are embracing new technologies to compete with online retailers whose market share is rising dramatically every year.

Companies with strong brand recognition are realizing that they can leverage that brand by providing online shopping experiences that mirror the retail market positioning they have always done. This example is another trend in that IT modernizations have strong business drivers and are being funded even in a slow growth economy.

Easy-to-install software and limited up-front investment is a business requirement driving the move to cloud computing where resource is paid for as needed. SOA has been widely adopted by the 18,500 large enterprise organizations worldwide because it meets the integration criteria needed by lines of business. Significant SOA implementations are expected to be upgraded in the very large enterprise customer base as enterprises work to achieve data center elasticity that provides flexible

response to changing market conditions.

There are another 14,800 emerging enterprises, companies with annual revenue between \$300 million and \$2 billion, expected to continue to build out SOA implementations. SOA provides modules of code that can be reused in different ways as market conditions change.

SOA markets are anticipated to reach \$15.1 billion in 2019. This represents significant growth. In 2010, WinterGreen Research had SOA markets at \$4.0 billion, by 2012 they had reached \$7.1 billion. Growth has been achieved organically because more frameworks are needed to build cloud computing and more infrastructure is needed in the data center to interconnect applications using middleware. Systems that were classified as data center infrastructure are now reclassified as SOA.

SOA growth is driven by the need to provide flexible response to changing market conditions.

## Contents

### **SERVICES ORIENTED ARCHITECTURE (SOA)**

Middleware Executive Summary

IBM is the leader in Services Oriented Architecture (SOA)

Cloud And Mobile Computing Redefine SOA

SOA ROI

Services Oriented Architecture (SOA) Market Driving Forces

Services Oriented Architecture SOA Market Shares

SOA Market Forecasts

### **1. SOA MARKET DESCRIPTION AND DYNAMICS**

1.1 SOA Foundation Technology for Cloud, Mobile, Office, and Collaboration

1.1.1 SOA Foundation Technology For Cloud

1.1.2 Team Collaboration

1.1.3 Applications Built Using A SOA Style Deliver Functionality As Services

1.2 SOA Application Modernization Based On Integration Technology

1.2.1 SOA Supports Cloud

1.2.2 SOA Supports Mobile

1.2.3 Organizations Positioning SOA To Close The Gap Between IT And Business

1.2.4 Model-Driven SOA

1.3 Service-Oriented Architecture (SOA) Automates Key Business Processes

1.3.1 SOA Virtual Experience

1.3.2 SOA Building a Channel

1.3.3 SOA Integration Platform

1.3.4 SOA Infrastructure Supports Delivery of Information As A Service

1.4 Change Engineering

1.4.1 SOA Integration Developer

1.5 SOA Part Of A Continuum

1.5.1 Alignment Of IT To Business

1.6 Enterprise Cloud Computing Environments

1.6.1 Service-Oriented Architecture (SOA) Interconnects Siloed Applications

1.6.2 Service-Oriented Architecture (SOA) Improves IT Efficiency

1.7 Benefits of SOA

1.7.1 SOA Facilitates Integration Beyond The Enterprise Network

1.8 Services Oriented Applications (SOA) Unlock Business Value

1.8.1 Aligning Business Process And Technology

- 1.8.2 Business Process Challenges
- 1.8.3 Business Environment
- 1.9 Services Oriented Architecture (SOA) Ability To Transform Business
  - 1.9.1 Services Oriented Architecture Works By Abstracting Business Processes
  - 1.9.2 Dynamically Building Application Portfolios
  - 1.9.3 Flexible Application Framework
- 1.10 Services Oriented Architecture (SOA) Workflow
  - 1.10.1 Infrastructure for Services Oriented Architectures Services-Oriented Architecture (SOA)
- 1.11 Web Services Standards
  - 1.11.1 SOA Development Methodology
  - 1.11.2 SOA Creates Transformation of Document Interchange
  - 1.11.3 Information Is Mapped From Nodes In A Source Schema To Nodes In The Destination Schema
- 1.12 IT Spending, Worldwide, 1Q13 Update
  - 1.12.1 World Economy Undergoing A Transformation
  - 1.12.2 Global Economic Conditions:
  - 1.12.3 Global Economy Becomes Steadily More Sluggish
  - 1.12.4 Global Economic Conditions Impact Markets

## **2. SERVICES ORIENTED ARCHITECTURE (SOA) MIDDLEWARE MARKET SHARES AND FORECASTS**

- 2.1 IBM is the leader in Services Oriented Architecture (SOA)
  - 2.1.1 Cloud And Mobile Computing Redefine SOA
  - 2.1.2 SOA ROI
  - 2.1.3 Services Oriented Architecture (SOA) Market Driving Forces
- 2.2 Services Oriented Architecture SOA Market Shares
  - 2.2.1 IBM SOA Infrastructure Provides A Framework
  - 2.2.2 IBM SOA Technology Leader
  - 2.2.3 IBM SOA Governance and Service Lifecycle Management
  - 2.2.4 IBM SOA Dominates the Industry
  - 2.2.5 IBM SOA Composite Applications
  - 2.2.6 IBM SOA Frameworks
  - 2.2.7 TIBCO Software Spotfire
  - 2.2.8 Tibco SOA iProcess Suite and ActiveMatrix BusinessWorks SOA
  - 2.1.1 Tibco Business Process Management on SOA Foundation
  - 2.2.9 Tibco Software
  - 2.2.10 Tibco Software Acquires Maporama Solutions

2.2.11 Tibco Customer Interportpolice Deploys Tibbr As Global Collaboration Platform

2.2.12 Firoano

2.2.13 Oracle SOA

2.2.14 Software AG SOA Systems

2.2.15 Microsoft Cloud-Ready SOA SQL Server 2012 Information Platform

2.2.16 Microsoft SQL Server 2012 Enables A Cloud-Ready Information Platform

2.2.17 Fujitsu CentraSite SOA Governance

2.2.18 SOA Competitive Analysis

## 2.3 SOA Market Forecasts

2.1.2 SOA Market Segment

2.1.3 SOA Delivered By Workflow And Application Server

2.3.1 SOA As A Foundation For Cloud Computing

2.3.2 Advantages Offered By SOA

2.3.3 SOA As An Architecture

2.3.4 Enterprise SOA Used To Master Changing Market Conditions

2.3.5 Building a Robust Data Integration Layer

2.3.6 SOA Shared Workload

2.3.7 Multi-Lingual Service Creation

2.3.8 Services Oriented Architecture (SOA) Segment Market

2.3.9 Services Oriented Architecture (SOA) Infrastructure Core Frameworks

## Processes

2.3.10 Services Oriented Architecture (SOA) Enterprise Market Forecasts

2.1.1 zEnterprise Implements Hybrid Modernized Computing with Improved ROI

2.3.11 Services Oriented Architecture (SOA) Mid-Market Forecasts

2.3.12 Services Oriented Architecture (SOA) Framework and Repository Market

## Forecasts

2.3.13 SOA Application Middleware Governance Market Forecasts

2.3.14 SOA Application Middleware Business Process Management (BPM) Market

## Forecasts

2.3.15 Services Oriented Architecture Business Processes Flow

2.3.16 SOA Application Middleware Development Market Forecasts

2.3.17 Services Oriented Architecture (SOA) Segment Market Totals, Business

## Process, Repository, Development, Governance Market Forecasts

2.3.18 Enterprise Modernization

## 2.4 IBM Leadership In SOA

2.4.1 Value of IBM WebSphereMQ, DataPower, and WebSphereMQ Broker to SOA

2.4.2 IBM SOA Model

2.4.3 SOA Components Use IBM WebSphereMQ

2.4.4 IBM WebSphere Application Server Leverages Java Technology as a Stack

- 2.4.5 IBM SOA Fabric Across The Enterprise To Reuse IT Assets
- 2.4.6 IBM WebSphere Adapters
- 2.5 Services Oriented Architecture Cloud Computing
- 2.6 Services Oriented Architecture SOA Market Big Data
- 2.7 Services Oriented Architecture SOA Pricing
  - 2.7.1 Fujitsu Interstage Parallel Processing Software Pricing
- 2.8 SOA Applications Middleware Market Industry Segment Analysis
- 2.9 Competitive Factors Affecting The SOA Market
  - 2.9.1 Services Oriented Architecture Market Trends
  - 2.9.2 Internet Impact
  - 2.9.3 IT Department Need For zEnterprise and SOA
  - 2.9.4 SOA Represents The Implementation Of Process From The Desktop
  - 2.9.5 Stack Based vs. Decoupled WebSphereMQ Mission Critical Messaging
- Approaches to SOA Solutions
  - 2.9.6 Cost, Time And Resources Required To Create And Maintain Integration In A Rapidly Changing Environment
  - 2.9.7 Application Connectivity Infrastructure Enhances E-Business
  - 2.9.8 SOA Service Oriented Architecture Markets
  - 2.9.9 E-Business
- 2.10 SOA Regional Analysis

### **3. SERVICES ORIENTED ARCHITECTURE (SOA) MIDDLEWARE PRODUCT DESCRIPTION**

- 3.1 IBM SOA
  - 3.1.1 IBM SOA Foundation
  - 3.1.2 IBM SOA Foundation
  - 3.1.3 IBM SOA Foundation Addresses Specific Challenges
  - 3.1.4 IBM SOA the Foundation for Cloud Computing
  - 3.1.5 IBM SOA Services
  - 3.1.6 IBM Smart Cloud Infrastructure As A Service (IaaS)
  - 3.1.7 IBM SmartCloud Datacenter Virtual Machines
  - 3.1.8 IBM SOA Governance and Service Lifecycle Management
  - 3.1.9 IBM Uniquely Positioned To Deliver SOA Infrastructure
  - 3.1.10 IBM SOA Life Cycle Positioning
  - 3.1.11 IBM SOA Governance Lifecycle
  - 3.1.12 IBM SOA Gateway
  - 3.1.13 IBM Mobile Application Platform Pattern
  - 3.1.14 IBM SOA PureSystems



- 3.1.15 IBM WebSphere Application Server
- 3.1.16 IBM WebSphere SOA Open Systems Foundation for Cloud Computing
- 3.1.17 IBM WebSphere SOA and Enterprise Service Bus V6.0.2 Foundation Platform For Cloud Computing
- 3.1.18 IBM WebSphere Enterprise Service Bus
- 3.1.19 IBM WebSphere Integration Developer (WID)
- 3.1.20 IBM WebSphere Real Time
- 3.1.21 IBM SOA Components Provide Self-Contained Modules Of Basic Functionality
- 3.1.22 IBM SOA As Mechanism For Defining Business Services
- 3.1.23 IBM Patterns For E-Business
- 3.1.24 IBM SOA Composite Applications
- 3.1.25 IBM SOA Components
- 3.1.26 IBM SOA Approach For Building A Business Solution
- 3.1.27 IBM SOA Adoption
- 3.1.28 IBM Workload Deployer
- 3.1.29 IBM LOG Elixir Enterprise
- 3.2 Tibco SOA and Spotfire
  - 3.2.1 Tibco Expansive, Flexible, Managed Data Access
  - 3.2.2 Tibco Quick, Powerful, Contextual Visual Analysis
  - 3.2.3 Tibco Visually Manages By Exception
  - 3.2.4 Tibco Real-Time & Big Data Predictive Analytics Add Teradata Aster
  - 3.2.5 Tibco tibbr Social Enterprise Platform
  - 3.2.6 Tibco ActiveMatrix Service Grid
  - 3.2.7 TIBCO ActiveMatrix BusinessWorks
  - 3.2.8 Tibco ActiveMatrix Service Performance Manager
  - 3.2.9 Tibco ActiveMatrix BusinessWorks
  - 3.2.10 Tibco SOA iProcess Suite
  - 3.2.11 Tibco iProcess Suite
  - 3.2.12 Tibco SOA iProcess Suite Deployment and Execution
  - 3.2.13 Tibco iProcess Modeler
  - 3.2.14 Tibco Spotfire Analytics Platform
  - 3.2.15 Tibco Partners With Leading Solution Providers
- 3.3 Fujitsu
  - 3.3.1 Fujitsu Software Interstage
  - 3.3.2 Fujitsu Software Supports the Utilization of Big Data
  - 3.3.3 Fujitsu Symfoware Server Database Solution
  - 3.3.4 Fujitsu Software Interstage response to Smartphones, Tablet Devices And Other Smart Devices
  - 3.3.5 Fujitsu Software Interstage Big Data Software Features

- 3.3.6 Fujitsu Interstage Big Data Parallel Processing
- 3.3.7 Fujitsu Interstage Big Data Complex Event Processing Server
- 3.3.8 Fujitsu Interstage eXtreme Transaction Processing Server
- 3.3.9 Fujitsu Symfoware Server
- 3.3.10 Fujitsu Service Oriented Architecture (SOA)
- 3.3.11 Fujitsu SOA Governance And Management Solution
- 3.3.12 Fujitsu Interstage Products & Solutions
- 3.3.13 Fujitsu Interstage Application Development Cycle Manager
- 3.3.14 Fujitsu CentraSite SOA Governance
- 3.4 Microsoft
  - 3.4.1 Microsoft Service-Oriented Architecture (SOA)
- 3.5 Oracle
  - 3.5.1 Oracle SOA Suite
  - 3.5.2 Oracle SOA Governance
- 3.6 SAP
  - 3.6.1 SAP SERVICE-ORIENTED ARCHITECTURE
- 3.7 Perficient, Inc
  - 3.7.1 Perficient SOA and Business Integration
  - 3.7.2 Perficient SOA Standard and Custom Offerings
- 3.8 SOA Software
  - 3.8.1 SOA Software API Security
- 3.9 SOALIB
- 3.10 Informatica / Active Endpoints
  - 3.10.1 Informatica / ActiveVOS
- 3.11 SOA Software SOA Governance
  - 3.11.1 SOA SoftwarePortfolio Manager – API and SOA Planning Governance
  - 3.11.2 SOA Software Policy Manager – Comprehensive Closed-Loop SOA Governance
  - 3.11.3 SOA Software Lifecycle Manager – Service and API Development
  - 3.11.4 SOA Software Service Manager – SOA Policy Management and Governance
  - 3.11.5 SOA Software Comprehensive Closed-Loop Integrated Governance Solution
  - 3.11.6 SOA Software Repository Manager
  - 3.11.7 SOA Software Service Manager
  - 3.11.8 SOA Software Policy Manager
  - 3.11.9 SOA Software SOLA
- 3.12 RedHat JBoss Application Server
  - 3.12.1 RedHat JBoss Application Server SOA Provides Application and IT fabric
- 3.13 Apache Tomcat SOA
  - 3.13.1 Apache SOA Component Overview

- 3.13.2 Apache SOA Case: Defect Tracking
- 3.14 Software AG
  - 3.14.1 Software AG Service-Oriented Architecture
- 3.15 CA Technologies SOA
  - 3.15.1 CA Siteminder Web Services Security
- 3.16 Crosscheck Networks
  - 3.16.1 Crosscheck Networks SOAPSonar Server Edition
  - 3.16.2 Crosscheck Networks SOAPSonar Professional Edition
  - 3.16.3 Crosscheck Networks SOAPSonar Personal Edition
- 3.17 Fiorano SOA Platform
- 3.18 Fiorano
  - 3.18.1 Fiorano SOA Platform
  - 3.18.2 Fiorano ESB
  - 3.18.3 Fiorano ESB: Enterprise Class Cloud Technology
  - 3.18.4 Fiorano ESB: Cloud Enabled Platform
  - 3.18.5 Fiorano Financial Services
  - 3.18.6 Fiorano Integrated Enterprise Solutions
  - 3.18.7 Fiorano Cloud Platform Integrates Applications Across SaaS, PaaS and On-Premise
  - 3.18.8 Fujinami Fiorano ESB
  - 3.18.9 Fiorano Cloud
  - 3.18.10 Fiorano Cloud Platform - Architecture
- 3.19 Hewlett Packard SOA
  - 3.19.1 HP SOA Governance
  - 3.19.2 HP SOA Quality
  - 3.19.3 HP SOA Management
- 3.20 Layer 7 SecureSpan SOA Gateway
- 3.21 Managed Methods
  - 3.21.1 Managed Methods JaxView
- 3.22 WSO2
  - 3.22.1 WSO2 Governance Registry
  - 3.22.2 WSO2 Enterprise Service Bus
  - 3.22.3 WSO2 Data Services Server
- 3.23 Oracle SOA
  - 3.23.1 Oracle WebLogic Server Foundation for Cloud Applications and Application Infrastructure Consolidation
  - 3.23.2 Oracle WebLogic SOA Benefits
- 3.24 Microsoft SOA
  - 3.24.1 Microsoft Model-Driven SOA

- 3.24.2 Microsoft Web Service
- 3.24.3 Microsoft Web Service-Oriented Architecture Phase 1 Expose
- 3.24.4 Microsoft Web Service-Oriented Architecture Phase 2: Compose
- 3.24.5 Microsoft Web Service Phase 3: Consume
- 3.24.6 Microsoft Web Service for Government
- 3.24.7 Microsoft Web Services on Amazon
- 3.24.8 Microsoft SOA Definition
- 3.24.9 Microsoft SOA Basics
- 3.24.10 Microsoft SOA Extensions
- 3.24.11 Microsoft SQL Server 2012 Enables A Cloud-Ready Information Platform
- 3.24.12 Microsoft Data-Tier Application Package
- 3.25 Software AG SOA Systems
  - 3.25.1 Software AG webMethods SOA Integration
  - 3.25.2 Software AG Service-Oriented Platform
  - 3.25.3 Software AG Comprehensive Service Enablement
  - 3.25.4 Software AG Multi-Lingual Service Creation
  - 3.25.5 Software AG Adapters Disconnect How The Service Is Implemented From How It Is Invoked
  - 3.25.6 Software AG Integration Of Non-SAP Apps And Trading Partners with SAP environment
- 3.26 Pegasystems
- 3.27 SAP
  - 3.27.1 SAP SOA Applications
- 3.28 Lockheed Martin SOA
  - 3.28.1 Lockheed Martin Uses SOA To Achieve A Leadership Position In Global Surveillance
  - 3.28.2 Lockheed Martin SOA Systems Optimized For Agility, Effectiveness, And Evolutionary Growth
  - 3.28.3 Lockheed Martin SOA Whole Systems Thinking
- 3.29 Managed Methods
  - 3.29.1 Managed Methods Cloud and SOA Systems Governance
  - 3.29.2 Managed Methods Cloud and SOA
- 3.30 WSO2
- 3.31 Layer
  - 3.31.1 Layer 7 SecureSpan
  - 3.31.2 Layer 7 Adapt Services
- 3.32 Intel
  - 3.32.1 Intel SOA Expressway for Healthcare
- 3.33 Crosscheck Network

- 3.33.1 Crosscheck Network Service Testing Product Specifications
- 3.33.2 Crosscheck Network Service and ESB Testing Available in Software, VMWare, and Cloud Image
- 3.33.3 Crosscheck Network Functional Testing
- 3.33.4 Crosscheck Network Performance Testing
- 3.33.5 Crosscheck Network Compliance Testing
- 3.33.6 Crosscheck Network Security Testing
- 3.34 Mendix
- 3.35 360logica
- 3.36 Rally Software / 6th Sense Analytics
- 3.37 AtminiTrack Application Service Provider
- 3.38 Advanced Fitness Designs Inc
- 3.39 FitStats Web
- 3.40 Advanced Millennium Technologies
- 3.41 Taroby
- 3.42 SOA Integration Engines Leverage ESB
- 3.43 IBM Software Enterprise Service Bus
  - 3.43.1 IBM ESB and SOA
  - 3.43.2 IBM WebSphere DataPower Integration Appliance
- 3.44 Web Services Adapters
- 3.45 IBM Cloud Services Focused on Reliability and Enhanced Security
  - 3.45.1 IBM WebSphere Message Broker
- 3.46 HP CloudSystem Matrix
- 3.47 Software AG webMethods Adapters
- 3.48 Mission Critical Messaging
- 3.49 IBM WebSphereMQ
  - 3.49.1 IBM WebSphere MQ Hardware Cluster May Be Set Up In An Active-Passive Mode Or An Active-Active Mode
- 3.50 Tibco Messaging
- 3.51 FioranoMQ
- 3.52 Software AG webMethods Broker
- 3.53 Rally Software

#### **4. SERVICES ORIENTED ARCHITECTURE (SOA) TECHNOLOGY**

- 4.1 Service Oriented Architecture (SOA) Technology Foundation for Cloud Computing
  - 4.1.1 Asynchronous And Synchronous Messaging
  - 4.1.2 Synchronous Calls
  - 4.1.3 Asynchronous Calls

- 4.1.4 Enterprise Service Bus (ESB) Technology
- 4.1.5 SOA Validation System
- 4.1.6 SOA Exception Management
- 4.2 SOA Data Integration
  - 4.2.1 Encapsulating Business Logic As Services
  - 4.2.2 Composite Applications
  - 4.2.3 SOA Return on Investment (ROI)
- 4.3 SOA Management Systems
  - 4.3.1 SOA Management and Security
  - 4.3.2 SOA Management
  - 4.3.3 Monitor And Manage SOA Application Service Levels
- 4.4 SOA Security
- 4.5 Mission Critical Messaging and SOAP
- 4.6 SOA Automatic Service Failover Protection
- 4.7 Service-Oriented Architecture (SOA) Layers
  - 4.7.1 Service-Oriented Architecture Business Benefits
  - 4.7.2 IBM WebSphere Integration Workflow Support
- 4.8 Business Benefits of Service-Oriented Architecture
  - 4.8.1 Service-Oriented Architecture IT Benefits
  - 4.8.2 SOA Self-Assessment
  - 4.8.3 Service Infrastructure
  - 4.8.4 Infrastructure Implementations Using SOA Products
  - 4.8.5 SOA Technology Principles
  - 4.8.6 Decoupled Services Value
  - 4.8.7 Security
- 4.9 Web Services
  - 4.9.1 Web Services Software Components
  - 4.9.2 SOA Web Services Technology
  - 4.9.3 Creating a SOAP Web Service
  - 4.9.4 Java Technology
  - 4.9.5 J2EE
  - 4.9.6 Soap
  - 4.9.7 Apache Soap
  - 4.9.8 Load Balancer With SSL Support
  - 4.9.9 Points Of Failure
  - 4.9.10 Metadata Repository
  - 4.9.11 Metadata Describes Location, Format, Relationships, Transformation, Rules, Cross-Reference
  - 4.9.12 Metadata Drives Creation Of Data Integration Services

- 4.9.13 Wrapping
- 4.9.14 SOA Data Integration Layer Supports Developer Access To Metadata To Build Services
- 4.10 State Machine
  - 4.10.1 SOA Network Strategy
  - 4.10.2 SOA Representational State Transfer Is A Mode Of Communication Accessible To Programs And Humans
  - 4.10.3 Registry SOA Engine
- 4.11 SOA Dynamic Architecture
  - 4.11.1 Google Search Engine Dynamic Architecture
  - 4.11.2 BigFiles
  - 4.11.3 Repository
  - 4.11.4 Microsoft .Net Defines Reusable Modules Dynamically
  - 4.11.5 Microsoft Combines Managed Modules into Assemblies
  - 4.11.6 Microsoft Architecture Dynamic Modular Processing
  - 4.11.7 IBM SOA Architecture is Dynamic for the Transport Layer

## **5. SERVICE ORIENTED ARCHITECTURE COMPANY DESCRIPTION**

- 5.1 Actuate
  - 5.1.1 Actuate Core Strengths
- 5.2 CA Technologies
- 5.3 Crosscheck Networks
- 5.4 Fiorano
  - 5.4.1 Fiorano Leadership In Enterprise Middleware
  - 5.4.2 Customers Worldwide Choose Fiorano
- 5.5 Fujitsu
  - 5.5.1 Fujitsu Revenue
  - 5.5.2 Fujitsu Technology Solutions Services
  - 5.5.3 Fujitsu Personal Computers
  - 5.5.4 Fujitsu Development and Production Facilities
  - 5.5.5 Fujitsu Corporate Strategy
  - 5.5.6 Fujitsu Revenue
  - 5.5.7 Fujitsu Interstage
  - 5.5.8 Fujitsu Acquires RunMyProcess Cloud Service Provider
- 5.6 Hewlett Packard
  - 5.6.1 HP Printing and Personal Systems Group
  - 5.6.2 HP Software
  - 5.6.3 Hewlett Packard Revenue

## 5.7 IBM

- 5.7.1 IBM Strategy
- 5.7.2 IBM PureData System for Transactions
- 5.7.3 IBM Business Partners
- 5.7.4 IBM Messaging Extension for Web Application Pattern
- 5.7.5 IBM PureSystems Partners
- 5.7.6 IBM MobileFirst
- 5.7.7 IBM Business Analytics and Optimization Strategy
- 5.7.8 IBM Growth Market Initiatives
- 5.7.9 IBM Business Analytics and Optimization
- 5.7.10 IBM Strategy
- 5.7.11 IBM Smarter Planet
- 5.7.12 IBM Cloud Computing
- 5.7.13 IBM Business Model
- 5.7.14 IBM Business Revenue Segments And Capabilities

## 5.8 Informatica

- 5.8.1 Informatica Master Data Management (MDM)

## 5.9 iWay Software

## 5.10 Layer

## 5.11 Managed Methods

- 5.11.1 Managed Methods Solutions

## 5.12 Microsoft

- 5.12.1 Microsoft Key Opportunities and Investments
- 5.12.2 Microsoft Smart Connected Devices
- 5.12.3 Microsoft: Cloud Computing Transforming The Data Center And Information

## Technology

- 5.12.4 Microsoft Entertainment
- 5.12.5 Microsoft Search
- 5.12.6 Microsoft Communications And Productivity
- 5.12.7 Microsoft Revenue
- 5.12.8 Microsoft Customers
- 5.12.9 Microsoft .NET Framework

## 5.13 Nastel Technologies

- 5.13.1 Nastel Privately Held Company

## 5.14 Oracle

- 5.14.1 Oracle Revenue

## 5.15 Perficient

## 5.16 Progress Software

- 5.16.1 Progress Software Revenue



## 5.17 Rally Software

5.17.1 Rally Software Revenue

5.17.2 Rally Software Solutions for Organizations

5.17.3 Rally Software Revenue

## 5.18 Red Hat

## 5.19 SAP

5.19.1 SAP offers NetWeaver

5.19.2 SAP SOA Enterprise Applications

5.19.3 SAP Aligns Solutions With Innovation to Improve Production Process

5.19.4 SAP User Planned Updates

5.19.5 SAP Core Applications

5.19.6 SAP Rapid-Deployment Solutions

## 5.20 SOA Software

5.20.1 SOA Software Enterprise API Management Revenue

5.20.2 SOA Software Partners

5.20.3 SOA Software Customers

5.20.4 SOA Software Innovation

5.20.5 SOA Software Products

## 5.21 Software AG

5.21.1 Software AG

5.21.2 Software AG Revenue by Segment

## 5.22 Tibco Software

5.22.1 Tibco Software

5.22.2 Tibco

5.22.3 Tibco Software Customers

5.22.4 Tibco Event-Enabled Enterprise Platform

5.22.5 Tibco Platform

5.22.6 Tibco SOA Development

5.22.7 Tibco Revenue

5.22.8 Tibco Cloud Computing Environments

5.22.9 Tibco Software Acquires Maporama Solutions

5.22.10 Tibco / Maporama Solutions

5.22.11 Tibco Customer Interportpolice Deploys Tibbr As Global Collaboration Platform

5.22.12 Renaissance Capital / Tibco Big Data Opportunity

## 5.23 WSO2

5.23.1 WSO2 Products

5.23.2 WSO2 Open Source and Standards

5.23.3 SEERC Technology Research Center Uses WSO2 for Governance Registry

## 5.24 360logica Software Testing Company

### 5.24.1 360logica Software Testing Company-

### 5.24.2 360logica Software Services

## List Of Tables

### LIST OF TABLES AND FIGURES

- Table ES-1 Services Oriented Architecture (SOA) Market Segments
- Table ES-2 Services Oriented Architecture SOA Market Driving Forces
- Table ES-3 Services Oriented Architecture SOA Market Shares, Dollars, Worldwide, 2012
- Figure ES-4 Services Oriented Architecture (SOA) Market Forecasts, Dollars Worldwide, 2013-2019
- Table 1-1 SOA Use of APIs to Extract Data from a Software Application
- Table 1-2 Value of SOA API Loose Coupling
- Table 1-3 SOA Technology Value
- Table 1-4 SOA As A Fundamental Building Block
- Table 1-5 Dramatic Increase in Business Activity Speed Drives SOA
- Table 1-6 Business Aspects of Change Response Creating Need for SOA
- Table 1-7 SOA Engine Manages Information Access To Create A Service
- Table 1-8 Services Oriented Architecture Achieves Flexible Infrastructure
- Table 1-9 Services Oriented Architecture Line Of Business Positioning
- Table 1-10 Services Oriented Architecture Business Process Efficiency
- Table 1-11 Services Oriented Architecture Business Process Challenges
- Table 1-11 (Continued) Services Oriented Architecture Business Process Challenges
- Table 1-12 Services Oriented Architecture Business Process Risk Management
- Table 1-13 Services Oriented Architecture Business Process Improvements
- Table 1-14 Change Engineering
- Table 1-15 SOA Primary Elements Part Of A Continuum
- Table 1-16 Typical Problems Encountered By Enterprises Implementing SOA
- Table 1-17 Management Tools That Enable SOA Approaches
- Table 1-18 SOA Facilitates Integration Beyond The Enterprise
- Figure 1-19 Foreign Exchange Trend
- Figure 1-20 GDP Growth Outlook
- Table 2-1 Services Oriented Architecture (SOA) Market Segments
- Table 2-2 Services Oriented Architecture SOA Market Driving Forces
- Table 2-3 Services Oriented Architecture SOA Market Shares, Dollars, Worldwide, 2012
- Table 2-4 Services Oriented Architecture SOA Application Market Shares, Dollars, Worldwide, 2012
- Table 2-5 SOA Market Product Competitive Differentiators
- Figure 2-6 Services Oriented Architecture (SOA) Market Forecasts, Dollars Worldwide, 2013-2019

Figure 2-7 Services Oriented Architecture (SOA) Market Forecasts, Units, Worldwide, 2013-2019

Table 2-8 Services Oriented Architecture (SOA) Market Forecasts, Units, Worldwide, 2013-2019

Table 2-9 Service-Oriented Architecture (SOA) Functions

Table 2-10 Advantages Offered by SOA

Table 2-11 Services Oriented Architecture (SOA) Benefits

Table 2-12 Services Oriented Architecture (SOA) Segment Market Totals, Dollars, Worldwide, 2013-2019

Figure 2-13 Services Oriented Architecture (SOA) Enterprise Market Forecasts, Dollars, Worldwide, 2013-2019

Table 2-14 Services Oriented Architecture (SOA) Enterprise Market Forecasts, Units, Worldwide, 2013-2019

Table 2-15 Services Oriented Architecture (SOA) Mid-Market Forecasts, Dollars, Worldwide, 2013-2019

Figure 2-16 Services Oriented Architecture (SOA) Mid-Market Forecasts, Units, Worldwide, 2013-2019

Figure 2-17 Services Oriented Architecture (SOA) Framework and Repository Market Forecasts, Dollars, Worldwide, 2013-2019

Figure 2-18 Services Oriented Architecture (SOA) Governance Market Forecasts, Dollars, Worldwide, 2013-2019

Figure 2-19 Services Oriented Architecture (SOA) Business Process Management (BPM) Market Forecasts, Dollars, Worldwide, 2013-2019

Figure 2-20 Services Oriented Architecture (SOA) Development Market Forecasts, Dollars, Worldwide, 2013-2019

Figure 2-21 SOA Market Segments, Dollars, Worldwide, 2012

Figure 2-22 SOA Market Segments, Dollars, Worldwide, 2019

Table 2-23 Services Oriented Architecture (SOA) Segment Market Totals, Business Process, Repository, Development, Governance Market Forecasts, Dollars, Worldwide, 2013-2019

Table 2-24 Services Oriented Architecture (SOA) Segment Market Totals, Business Process, Repository, Development, Governance Percent, Market Forecasts, Worldwide, 2013-2019

Table 2-25 SOA Modernization Solutions

Table 2-26 SOA Modernization Key Benefits

Table 2-27 IBM SOA Functions to Streamline IT Processes

Figure 2-28 SOA Software Market Industry Segments, Dollars, Worldwide, 2012

Table 2-29 Services Oriented Architecture (SOA) Software Market Industry Segments, Dollars, Worldwide, 2012

Table 2-30 Services Oriented Architecture SOA Competitive Market Factors

Table 2-31 SOA Network Business Integration (BI)

Table 2-31 (Continued) SOA Network Business Integration (BI)

Table 2-32 Internet Impact On SOA

Table 2-33 Impact of Application Connectivity On E-Business

Table 2-33 (Continued) Impact of Application Connectivity On E-Business

Table 2-34 SOA Business Environment Market Drivers

Figure 2-35 Services Oriented Architecture (SOA) Regional Market Segments, Dollars, 2012

Table 2-36 Services Oriented Architecture Regional Market Segments, 2012

Table 2-37 SOA Business Process Management Market Driving Forces

Figure 2-38 Comparative Value of Innovation

Figure 3-1 IBM SOA Services Foundation

Figure 3-2 IBM SOA Foundation

Table 3-3 IBM SOA Alignment of IT with Business Goals

Table 3-4 IBM SOA Adoption IT Modernization Trends

Figure 3-5 IBM SOA Reference Architecture

Table 3-6 IBM SOA Life Cycle Positioning Stages

Table 3-7 IBM Software Service Oriented Architecture (SOA)

Figure 3-8 IBM SOA Governance Lifecycle

Table 3-9 IBM Worklight Functions

Table 3-10 IBM Mobile Application Platform Pattern Modules

Table 3-11 IBM SOA PureFlex System Solution Types

Table 3-12 IBM PureData System

Table 3-13 IBM SOA PureSystems Positioning

Figure 3-14 IBM SOA Foundation Business, Infrastructure, and Data Information Architecture

Table 3-15 IBM WebSphere SOA Enterprise Service Bus Integration Logic Functions

Figure 3-16 IBM Insurance Business Ecosystem

Figure 3-17 IBM SOA Components Implement Repeatable Business Tasks and Can be used Together to Provide A Composite Application

Table 3-18 IBM SOA Components

Figure 3-19 IBM SOA Component Operations

Figure 3-20 IBM Service-Oriented SOA Approach For Building A Business Solution

Figure 3-21 IBM SOA Adoption Path

Table 3-22 IBM SOA Systems for Connecting People, Processes, And Information

Table 3-23 IBM SOA Systems Choice of IT-Centric Entry Points

Table 3-24 Obstacles to Development of the Big Data Market

Table 3-25 IBM Big Data Market Challenges

Table 3-26 IBM WebSphere Administrative Console Functions  
Table 3-27 IBM ILOG Elixir Enterprise Functions:  
Figure 3-28 Tibco Spotfire Actionable Insight  
Figure 3-29 Tibco Spotfire Visualization, Dynamic Control Charts  
Table 3-30 Tibco Application Integration Modules  
Table 3-31 TIBCO ActiveMatrix Service Grid Benefits  
Table 3-32 TIBCO ActiveMatrix BusinessWorks Benefits  
Table 3-33 Tibco ActiveMatrix Functions  
Figure 3-34 Tibco SOA Product Suite  
Table 3-35 TIBCO ActiveMatrix SOA Key Features  
Table 3-36 Tibco SOA Integrated Services Environment  
Table 3-37 Tibco Standards-Based Heterogeneous SOA  
Figure 3-38 Tibco SOA iProcess Suite  
Figure 3-39 Tibco iProcess Suite Built on SOA Foundation  
Figure 3-40 Tibco SOA Systems Updates  
Figure 3-41 Tibco iProcess Modeler  
Table 5-42 Fujitsu CentraSite SOA Product Suite Features  
Table 3-43 Fujitsu Cloud-Based Software Related to BPM.  
Table 5-44 Fujitsu CentraSite SOA Management Information  
Table 3-45 Microsoft SOA Benefits  
Figure 3-46 Oracle SOA  
Table 3-47 Oracle SOA Suite Features  
Table 3-48 Oracle SOA Suite Benefits  
Table 3-49 Oracle SOA Governance Features  
Table 3-50 SAP SOA Benefits  
Table 3-51 Perficient SOA Functions  
Table 3-52 Perficient SOA Standard and Custom Offerings  
Table 3-53 SOA Service-Oriented Apache projects  
Figure 3-54 Software AG SOA  
Figure 3-55 Fiorano SOA Platform  
Figure 3-56 Fiorano SOA Platform  
Table 3-57 Fiorano ESB: Enterprise Class Technology  
Table 3-58 Fiorano ESB: Cloud Enabled Platform Functions  
Table 3-59 Fiorano ESB: Cloud Enabled Platform Target Markets  
Table 3-60 Fiorano Financial Services Positioning  
Figure 3-61 Fiorano Cloud Platform Architecture  
Table 3-62 Fiorano Cloud Key Benefits  
Figure 3-63 Fiorano Cloud Fast Time to Market Functions  
Table 3-64 Fiorano Cloud Integration Platform Features

- Table 3-65 Fiorano Cloud Peers Scalability Functions
- Table 3-66 Fiorano Cloud Platform High Availability Functions
- Table 3-67 HP SOA Governance Features
- Figure 3-68 HP SOA Management
- Table 3-69 Layer 7 SecureSpan SOA Gateway Features
- Table 3-70 Oracle WebLogic Server Benefits
- Table 3-71 Oracle WebLogic Server Functions
- Table 3-72 Oracle WebLogic SOA Benefits
- Figure 3-73 Microsoft Architecture of SOA Runtimes
- Table 3-74 Microsoft SOA SQL Server Main Pillars
- Table 3-75 Microsoft SQL Server 2012 Cloud-Ready Information Platform
- Figure 3-76 Microsoft Domain SOA
- Table 3-77 Software AG / Progress Software SOA Positioning
- Table 3-78 Software AG webMethods Integration Server Service Functions
- Table 3-79 The webMethods Integration Server key standards Supported
- Table 3-80 Software AG The webMethods Integration Server Services Problems Addressed
- Table 3-81 Software AG The webMethods Integration Server Service Positioning
- Table 3-82 Software AG webMethods Integration Server Next Generation Data Management Success Factors
- Table 3-83 Software AGs Innovation / Business Solutions
- Table 3-84 Key benefits of Software AG Business Process Management (BPM):
- Table 3-85 Pegasystems Support for Better Business Outcomes
- Table 3-86 Pegasystems SOA Key Capabilities
- Table 3-87 SAP NetWeaver Components
- Table 3-88 SAP NetWeaver SOA Tools
- Table 3-89 SAP SOA Applications
- Table 3-90 Lockheed Martin Core C4ISR Competencies
- Table 3-91 Managed Methods Cloud and SOA Systems Functions
- Table 3-92 Managed Methods Cloud and SOA Security Management Systems
- Table 3-93 Managed Methods Cloud and SOA Component Functions
- Table 3-94 Managed Methods SOA Functions
- Figure 3-95 Managed Methods Message Summary Purchase Orders Performance and Usage Rate
- Table 3-96 WSO2 SOA
- Table 3-97 Layer 7 SecureSpan SOA Gateway Functions
- Table 3-98 The Layer 7 SecureSpan SOA Gateway Features
- Table 3-99 Intel SOA Expressway for Healthcare Key Features
- Table 3-100 Crosscheck Network Functional Aspects

Table 3-101 ESB Support For Concepts of SOA Implementation  
Table 3-102 Key Aspects of SOA Decoupling  
Figure 3-103 IBM Patterns For E-Business ESB  
Figure 3-104 IBM ESB Pattern  
Figure 3-105 IBM ESB and SOA  
Table 3-106 IBM WebSphere DataPower Functions  
Table 3-107 TIBCO Enterprise Message Functions  
Figure 3-108 Fiorano MQ Server Components  
Table 4-1 SOA Validation Capabilities  
Table 4-2 SOA Agile Business Functions  
Table 4-3 SOA Agile Business Benefits  
Table 4-4 Key SOA Data and Metadata Components  
Table 4-5 SOA Return on Investment (ROI)  
Table 4-6 SOA Management Issues  
Table 4-7 SOA User- Focused Security Layer  
Table 4-8 SOA Services Process  
Table 4-9 Process Of SOA Implementation Depends On N-Dimensional Interaction Of Layers That Can Be Modeled by Business Analyst  
Table 4-10 IBM SOA Business Services Layers  
Figure 4-11 IBM Smart SOA Continuum  
Table 4-12 IBM SOA Foundation Reference Architecture  
Table 4-13 Business Benefits of Service-Oriented Architecture  
Table 4-14 IT Benefits of Service-Oriented Architecture  
Table 4-15 Web Service Components  
Figure 4-16 Stack view of Web services technology  
Table 4-17 SOAP Functions  
Table 4-18 Metadata Repository  
Table 4-19 SOA Metadata Functions  
Table 4-20 SOA Metadata Data Integration Layer Functions  
Table 4-21 Software AG WebMethods SOA Registry Engine  
Table 4-22 Google Dynamic Architecture  
Figure 4-23 Microsoft .Net Dynamic Definition of Reusable Modules  
Figure 4-24 Microsoft .NET Compiling Source Code into Managed Assemblies  
Figure 4-25 Microsoft Architecture Dynamic Modular Processing  
Table 4-26 Process Of SOA Implementation Depends On N-Dimensional Interaction Of Layers That Can Be Modeled by Business Analyst  
Table 4-27 IBM SOA Business I Services Layers  
Figure 4-28 IBM Smart SOA Continuum  
Table 4-29 SOA Foundation Reference Architecture



Figure 5-1 Fujitsu Main Products  
Figure 5-2 Fujitsu Global Business  
Figure 5-3 Fujitsu Geographical Market Participation  
Figure 5-4 Fujitsu Global Alliances  
Figure 5-5 Fujitsu Mixed IT Environments Forecasts  
Table 5-6 Fujitsu Facts  
Table 5-7 IBM PureSystems Target Industries  
Table 5-8 Managed Methods Functions  
Figure 5-9 Rally Software Platform Functions  
Table 5-10 SAP SOA Enterprise Applications Market Metrics  
Table 5-11 SAP User Planned Updates  
Table 5-12 SAP Core Applications  
Table 5-13 SAP Rapid-Deployment Solutions  
Table 5-14 Tibco SOA Benefits

## I would like to order

Product name: Services Oriented Architecture (SOA) Market

Product link: <https://marketpublishers.com/r/SB44C094D82EN.html>

Price: US\$ 3,800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SB44C094D82EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970