

Global SOA Application Middleware Market 2018 by Manufacturers, Countries, Type and Application, Forecast to 2023

<https://marketpublishers.com/r/GABA6F0819EEN.html>

Date: November 2018

Pages: 115

Price: US\$ 3,480.00 (Single User License)

ID: GABA6F0819EEN

Abstracts

Service oriented architecture (SOA) application middleware refers to building, describing, using, and managing enterprise IT environment with a focus on service it provides rather than technology it uses, vendors, and product. SOA application offers modularity, encapsulation, reuse, and composability for different business applications.

Scope of the Report:

Factors such as high initial investment, lack of awareness, and required skill sets are expected to restrain the growth of the market.

The global SOA Application Middleware market is valued at xx million USD in 2017 and is expected to reach xx million USD by the end of 2023, growing at a CAGR of xx% between 2017 and 2023.

The Asia-Pacific will occupy for more market share in following years, especially in China, also fast growing India and Southeast Asia regions.

North America, especially The United States, will still play an important role which cannot be ignored. Any changes from United States might affect the development trend of SOA Application Middleware.

Europe also play important roles in global market, with market size of xx million USD in 2017 and will be xx million USD in 2023, with a CAGR of xx%.

This report studies the SOA Application Middleware market status and outlook of Global

and major regions, from angles of players, countries, product types and end industries; this report analyzes the top players in global market, and splits the SOA Application Middleware market by product type and applications/end industries.

Market Segment by Companies, this report covers

IBM Corporation

Oracle

Nastel Technologies, Inc.

Fiorano Software Inc.

UniSystems S.A.

Microsoft Corporation

Fujitsu

SAP SE

TIBCO Software Inc.

Software AG

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Business Services

Entity Services

Functional Services

Utility Services

Others

Market Segment by Applications, can be divided into

Military and Defense

Healthcare

Aerospace

Marine Security

Others

Contents

1 SOA APPLICATION MIDDLEWARE MARKET OVERVIEW

- 1.1 Product Overview and Scope of SOA Application Middleware
- 1.2 Classification of SOA Application Middleware by Types
 - 1.2.1 Global SOA Application Middleware Revenue Comparison by Types (2017-2023)
 - 1.2.2 Global SOA Application Middleware Revenue Market Share by Types in 2017
 - 1.2.3 Business Services
 - 1.2.4 Entity Services
 - 1.2.5 Functional Services
 - 1.2.6 Utility Services
 - 1.2.7 Others
- 1.3 Global SOA Application Middleware Market by Application
 - 1.3.1 Global SOA Application Middleware Market Size and Market Share Comparison by Applications (2013-2023)
 - 1.3.2 Military and Defense
 - 1.3.3 Healthcare
 - 1.3.4 Aerospace
 - 1.3.5 Marine Security
 - 1.3.6 Others
- 1.4 Global SOA Application Middleware Market by Regions
 - 1.4.1 Global SOA Application Middleware Market Size (Million USD) Comparison by Regions (2013-2023)
 - 1.4.1 North America (USA, Canada and Mexico) SOA Application Middleware Status and Prospect (2013-2023)
 - 1.4.2 Europe (Germany, France, UK, Russia and Italy) SOA Application Middleware Status and Prospect (2013-2023)
 - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia) SOA Application Middleware Status and Prospect (2013-2023)
 - 1.4.4 South America (Brazil, Argentina, Colombia) SOA Application Middleware Status and Prospect (2013-2023)
 - 1.4.5 Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa) SOA Application Middleware Status and Prospect (2013-2023)
- 1.5 Global Market Size of SOA Application Middleware (2013-2023)

2 MANUFACTURERS PROFILES

2.1 IBM Corporation

- 2.1.1 Business Overview
- 2.1.2 SOA Application Middleware Type and Applications
 - 2.1.2.1 Product A
 - 2.1.2.2 Product B
- 2.1.3 IBM Corporation SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)
- 2.2 Oracle
 - 2.2.1 Business Overview
 - 2.2.2 SOA Application Middleware Type and Applications
 - 2.2.2.1 Product A
 - 2.2.2.2 Product B
 - 2.2.3 Oracle SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)
- 2.3 Nastel Technologies, Inc.
 - 2.3.1 Business Overview
 - 2.3.2 SOA Application Middleware Type and Applications
 - 2.3.2.1 Product A
 - 2.3.2.2 Product B
 - 2.3.3 Nastel Technologies, Inc. SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)
- 2.4 Fiorano Software Inc.
 - 2.4.1 Business Overview
 - 2.4.2 SOA Application Middleware Type and Applications
 - 2.4.2.1 Product A
 - 2.4.2.2 Product B
 - 2.4.3 Fiorano Software Inc. SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)
- 2.5 UniSystems S.A.
 - 2.5.1 Business Overview
 - 2.5.2 SOA Application Middleware Type and Applications
 - 2.5.2.1 Product A
 - 2.5.2.2 Product B
 - 2.5.3 UniSystems S.A. SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)
- 2.6 Microsoft Corporation
 - 2.6.1 Business Overview
 - 2.6.2 SOA Application Middleware Type and Applications
 - 2.6.2.1 Product A
 - 2.6.2.2 Product B

2.6.3 Microsoft Corporation SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

2.7 Fujitsu

2.7.1 Business Overview

2.7.2 SOA Application Middleware Type and Applications

2.7.2.1 Product A

2.7.2.2 Product B

2.7.3 Fujitsu SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

2.8 SAP SE

2.8.1 Business Overview

2.8.2 SOA Application Middleware Type and Applications

2.8.2.1 Product A

2.8.2.2 Product B

2.8.3 SAP SE SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

2.9 TIBCO Software Inc.

2.9.1 Business Overview

2.9.2 SOA Application Middleware Type and Applications

2.9.2.1 Product A

2.9.2.2 Product B

2.9.3 TIBCO Software Inc. SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

2.10 Software AG

2.10.1 Business Overview

2.10.2 SOA Application Middleware Type and Applications

2.10.2.1 Product A

2.10.2.2 Product B

2.10.3 Software AG SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

3 GLOBAL SOA APPLICATION MIDDLEWARE MARKET COMPETITION, BY PLAYERS

3.1 Global SOA Application Middleware Revenue and Share by Players (2013-2018)

3.2 Market Concentration Rate

3.2.1 Top 5 SOA Application Middleware Players Market Share

3.2.2 Top 10 SOA Application Middleware Players Market Share

3.3 Market Competition Trend

4 GLOBAL SOA APPLICATION MIDDLEWARE MARKET SIZE BY REGIONS

- 4.1 Global SOA Application Middleware Revenue and Market Share by Regions
- 4.2 North America SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 4.3 Europe SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 4.4 Asia-Pacific SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 4.5 South America SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 4.6 Middle East and Africa SOA Application Middleware Revenue and Growth Rate (2013-2018)

5 NORTH AMERICA SOA APPLICATION MIDDLEWARE REVENUE BY COUNTRIES

- 5.1 North America SOA Application Middleware Revenue by Countries (2013-2018)
- 5.2 USA SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 5.3 Canada SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 5.4 Mexico SOA Application Middleware Revenue and Growth Rate (2013-2018)

6 EUROPE SOA APPLICATION MIDDLEWARE REVENUE BY COUNTRIES

- 6.1 Europe SOA Application Middleware Revenue by Countries (2013-2018)
- 6.2 Germany SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 6.3 UK SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 6.4 France SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 6.5 Russia SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 6.6 Italy SOA Application Middleware Revenue and Growth Rate (2013-2018)

7 ASIA-PACIFIC SOA APPLICATION MIDDLEWARE REVENUE BY COUNTRIES

- 7.1 Asia-Pacific SOA Application Middleware Revenue by Countries (2013-2018)
- 7.2 China SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 7.3 Japan SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 7.4 Korea SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 7.5 India SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 7.6 Southeast Asia SOA Application Middleware Revenue and Growth Rate (2013-2018)

8 SOUTH AMERICA SOA APPLICATION MIDDLEWARE REVENUE BY COUNTRIES

- 8.1 South America SOA Application Middleware Revenue by Countries (2013-2018)
- 8.2 Brazil SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 8.3 Argentina SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 8.4 Colombia SOA Application Middleware Revenue and Growth Rate (2013-2018)

9 MIDDLE EAST AND AFRICA REVENUE SOA APPLICATION MIDDLEWARE BY COUNTRIES

- 9.1 Middle East and Africa SOA Application Middleware Revenue by Countries (2013-2018)
- 9.2 Saudi Arabia SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 9.3 UAE SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 9.4 Egypt SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 9.5 Nigeria SOA Application Middleware Revenue and Growth Rate (2013-2018)
- 9.6 South Africa SOA Application Middleware Revenue and Growth Rate (2013-2018)

10 GLOBAL SOA APPLICATION MIDDLEWARE MARKET SEGMENT BY TYPE

- 10.1 Global SOA Application Middleware Revenue and Market Share by Type (2013-2018)
- 10.2 Global SOA Application Middleware Market Forecast by Type (2018-2023)
- 10.3 Business Services Revenue Growth Rate (2013-2023)
- 10.4 Entity Services Revenue Growth Rate (2013-2023)
- 10.5 Functional Services Revenue Growth Rate (2013-2023)
- 10.6 Utility Services Revenue Growth Rate (2013-2023)
- 10.7 Others Revenue Growth Rate (2013-2023)

11 GLOBAL SOA APPLICATION MIDDLEWARE MARKET SEGMENT BY APPLICATION

- 11.1 Global SOA Application Middleware Revenue Market Share by Application (2013-2018)
- 11.2 SOA Application Middleware Market Forecast by Application (2018-2023)
- 11.3 Military and Defense Revenue Growth (2013-2018)
- 11.4 Healthcare Revenue Growth (2013-2018)
- 11.5 Aerospace Revenue Growth (2013-2018)
- 11.6 Marine Security Revenue Growth (2013-2018)
- 11.7 Others Revenue Growth (2013-2018)

12 GLOBAL SOA APPLICATION MIDDLEWARE MARKET SIZE FORECAST (2018-2023)

- 12.1 Global SOA Application Middleware Market Size Forecast (2018-2023)
- 12.2 Global SOA Application Middleware Market Forecast by Regions (2018-2023)
- 12.3 North America SOA Application Middleware Revenue Market Forecast (2018-2023)
- 12.4 Europe SOA Application Middleware Revenue Market Forecast (2018-2023)
- 12.5 Asia-Pacific SOA Application Middleware Revenue Market Forecast (2018-2023)
- 12.6 South America SOA Application Middleware Revenue Market Forecast (2018-2023)
- 12.7 Middle East and Africa SOA Application Middleware Revenue Market Forecast (2018-2023)

13 RESEARCH FINDINGS AND CONCLUSION

14 APPENDIX

- 14.1 Methodology
- 14.2 Data Source

List Of Tables

LIST OF TABLES AND FIGURES

Figure SOA Application Middleware Picture

Table Product Specifications of SOA Application Middleware

Table Global SOA Application Middleware and Revenue (Million USD) Market Split by Product Type

Figure Global SOA Application Middleware Revenue Market Share by Types in 2017

Figure Business Services Picture

Figure Entity Services Picture

Figure Functional Services Picture

Figure Utility Services Picture

Figure Others Picture

Table Global SOA Application Middleware Revenue (Million USD) by Application (2013-2023)

Figure SOA Application Middleware Revenue Market Share by Applications in 2017

Figure Military and Defense Picture

Figure Healthcare Picture

Figure Aerospace Picture

Figure Marine Security Picture

Figure Others Picture

Table Global Market SOA Application Middleware Revenue (Million USD) Comparison by Regions 2013-2023

Figure North America SOA Application Middleware Revenue (Million USD) and Growth Rate (2013-2023)

Figure Europe SOA Application Middleware Revenue (Million USD) and Growth Rate (2013-2023)

Figure Asia-Pacific SOA Application Middleware Revenue (Million USD) and Growth Rate (2013-2023)

Figure South America SOA Application Middleware Revenue (Million USD) and Growth Rate (2013-2023)

Figure Middle East and Africa SOA Application Middleware Revenue (Million USD) and Growth Rate (2013-2023)

Figure Global SOA Application Middleware Revenue (Million USD) and Growth Rate (2013-2023)

Table IBM Corporation Basic Information, Manufacturing Base and Competitors

Table IBM Corporation SOA Application Middleware Type and Applications

Table IBM Corporation SOA Application Middleware Revenue, Gross Margin and

Market Share (2016-2017)

Table Oracle Basic Information, Manufacturing Base and Competitors

Table Oracle SOA Application Middleware Type and Applications

Table Oracle SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

Table Nastel Technologies, Inc. Basic Information, Manufacturing Base and Competitors

Table Nastel Technologies, Inc. SOA Application Middleware Type and Applications

Table Nastel Technologies, Inc. SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

Table Fiorano Software Inc. Basic Information, Manufacturing Base and Competitors

Table Fiorano Software Inc. SOA Application Middleware Type and Applications

Table Fiorano Software Inc. SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

Table UniSystems S.A. Basic Information, Manufacturing Base and Competitors

Table UniSystems S.A. SOA Application Middleware Type and Applications

Table UniSystems S.A. SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

Table Microsoft Corporation Basic Information, Manufacturing Base and Competitors

Table Microsoft Corporation SOA Application Middleware Type and Applications

Table Microsoft Corporation SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

Table Fujitsu Basic Information, Manufacturing Base and Competitors

Table Fujitsu SOA Application Middleware Type and Applications

Table Fujitsu SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

Table SAP SE Basic Information, Manufacturing Base and Competitors

Table SAP SE SOA Application Middleware Type and Applications

Table SAP SE SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

Table TIBCO Software Inc. Basic Information, Manufacturing Base and Competitors

Table TIBCO Software Inc. SOA Application Middleware Type and Applications

Table TIBCO Software Inc. SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

Table Software AG Basic Information, Manufacturing Base and Competitors

Table Software AG SOA Application Middleware Type and Applications

Table Software AG SOA Application Middleware Revenue, Gross Margin and Market Share (2016-2017)

Table Global SOA Application Middleware Revenue (Million USD) by Players

(2013-2018)

Table Global SOA Application Middleware Revenue Share by Players (2013-2018)

Figure Global SOA Application Middleware Revenue Share by Players in 2016

Figure Global SOA Application Middleware Revenue Share by Players in 2017

Figure Global Top 5 Players SOA Application Middleware Revenue Market Share in 2017

Figure Global Top 10 Players SOA Application Middleware Revenue Market Share in 2017

Figure Global SOA Application Middleware Revenue (Million USD) and Growth Rate (%) (2013-2018)

Table Global SOA Application Middleware Revenue (Million USD) by Regions (2013-2018)

Table Global SOA Application Middleware Revenue Market Share by Regions (2013-2018)

Figure Global SOA Application Middleware Revenue Market Share by Regions (2013-2018)

Figure Global SOA Application Middleware Revenue Market Share by Regions in 2017

Figure North America SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Europe SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Asia-Pacific SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure South America SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Middle East and Africa SOA Application Middleware Revenue and Growth Rate (2013-2018)

Table North America SOA Application Middleware Revenue by Countries (2013-2018)

Table North America SOA Application Middleware Revenue Market Share by Countries (2013-2018)

Figure North America SOA Application Middleware Revenue Market Share by Countries (2013-2018)

Figure North America SOA Application Middleware Revenue Market Share by Countries in 2017

Figure USA SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Canada SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Mexico SOA Application Middleware Revenue and Growth Rate (2013-2018)

Table Europe SOA Application Middleware Revenue (Million USD) by Countries (2013-2018)

Figure Europe SOA Application Middleware Revenue Market Share by Countries

(2013-2018)

Figure Europe SOA Application Middleware Revenue Market Share by Countries in 2017

Figure Germany SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure UK SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure France SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Russia SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Italy SOA Application Middleware Revenue and Growth Rate (2013-2018)

Table Asia-Pacific SOA Application Middleware Revenue (Million USD) by Countries (2013-2018)

Figure Asia-Pacific SOA Application Middleware Revenue Market Share by Countries (2013-2018)

Figure Asia-Pacific SOA Application Middleware Revenue Market Share by Countries in 2017

Figure China SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Japan SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Korea SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure India SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Southeast Asia SOA Application Middleware Revenue and Growth Rate (2013-2018)

Table South America SOA Application Middleware Revenue by Countries (2013-2018)

Table South America SOA Application Middleware Revenue Market Share by Countries (2013-2018)

Figure South America SOA Application Middleware Revenue Market Share by Countries (2013-2018)

Figure South America SOA Application Middleware Revenue Market Share by Countries in 2017

Figure Brazil SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Argentina SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Colombia SOA Application Middleware Revenue and Growth Rate (2013-2018)

Table Middle East and Africa SOA Application Middleware Revenue (Million USD) by Countries (2013-2018)

Table Middle East and Africa SOA Application Middleware Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa SOA Application Middleware Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa SOA Application Middleware Revenue Market Share by Countries in 2017

Figure Saudi Arabia SOA Application Middleware Revenue and Growth Rate

(2013-2018)

Figure UAE SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Egypt SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure Nigeria SOA Application Middleware Revenue and Growth Rate (2013-2018)

Figure South Africa SOA Application Middleware Revenue and Growth Rate

(2013-2018)

Table Global SOA Application Middleware Revenue (Million USD) by Type (2013-2018)

Table Global SOA Application Middleware Revenue Share by Type (2013-2018)

Figure Global SOA Application Middleware Revenue Share by Type (2013-2018)

Figure Global SOA Application Middleware Revenue Share by Type in 2017

Table Global SOA Application Middleware Revenue Forecast by Type (2018-2023)

Figure Global SOA Application Middleware Market Share Forecast by Type (2018-2023)

Figure Global Business Services Revenue Growth Rate (2013-2018)

Figure Global Entity Services Revenue Growth Rate (2013-2018)

Figure Global Functional Services Revenue Growth Rate (2013-2018)

Figure Global Utility Services Revenue Growth Rate (2013-2018)

Figure Global Others Revenue Growth Rate (2013-2018)

Table Global SOA Application Middleware Revenue by Application (2013-2018)

Table Global SOA Application Middleware Revenue Share by Application (2013-2018)

Figure Global SOA Application Middleware Revenue Share by Application (2013-2018)

Figure Global SOA Application Middleware Revenue Share by Application in 2017

Table Global SOA Application Middleware Revenue Forecast by Application

(2018-2023)

Figure Global SOA Application Middleware Market Share Forecast by Application

(2018-2023)

Figure Global Military and Defense Revenue Growth Rate (2013-2018)

Figure Global Healthcare Revenue Growth Rate (2013-2018)

Figure Global Aerospace Revenue Growth Rate (2013-2018)

Figure Global Marine Security Revenue Growth Rate (2013-2018)

Figure Global Others Revenue Growth Rate (2013-2018)

Figure Global SOA Application Middleware Revenue (Million USD) and Growth Rate Forecast (2018 -2023)

Table Global SOA Application Middleware Revenue (Million USD) Forecast by Regions (2018-2023)

Figure Global SOA Application Middleware Revenue Market Share Forecast by Regions (2018-2023)

Figure North America SOA Application Middleware Revenue Market Forecast (2018-2023)

Figure Europe SOA Application Middleware Revenue Market Forecast (2018-2023)

Figure Asia-Pacific SOA Application Middleware Revenue Market Forecast (2018-2023)

Figure South America SOA Application Middleware Revenue Market Forecast
(2018-2023)

Figure Middle East and Africa SOA Application Middleware Revenue Market Forecast
(2018-2023)

I would like to order

Product name: Global SOA Application Middleware Market 2018 by Manufacturers, Countries, Type and Application, Forecast to 2023

Product link: <https://marketpublishers.com/r/GABA6F0819EEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GABA6F0819EEN.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

