

Enterprise Service Bus

In June 2014 Oracle announced the release of SOA Suite 12c, promising "simplified cloud, mobile, on-premises, and Internet of Things (IoT) integration capabilities". 5e43574774 Java Enterprise Edition (JEE) services 5e43574774 Oracle Corporation publishes product strategy, product details and customer stories relating to the SOA Suite at <https://www.oracle.com/integration/products>. 5e43574774

Enterprise service bus An enterprise service bus (ESB) implements a communication system between mutually interacting software applications in a service-oriented architecture An enterprise service bus (ESB) implements a communication system between mutually interacting software applications in a service-oriented architecture (SOA). Its primary use is in enterprise application integration (EAI) of heterogeneous and complex service landscapes. It represents a software architecture for distributed computing, and is a special variant of the more general client-server model, wherein any application may behave as server or client. ESB promotes agility and flexibility with regard to high-level protocol communication between applications 5e43574774

As of April 2013 Oracle Corporation markets Oracle SOA Suite version 11g Release 1 Patchset 6 (11.1.1.7). 5e43574774 Enterprise service bus for distributed communication. 5e43574774

JBoss Enterprise SOA Platform The JBoss Enterprise SOA Platform is part of the JBoss Enterprise Middleware portfolio of software. The JBoss SOA Platform was developed by JBoss, now a division of Red Hat. The JBoss EDSP includes: tools The JBoss Enterprise SOA Platform (or JBoss SOA Platform) is free software/open-source Java EE-based service-oriented architecture (SOA) software. Because it is Java-based, the JBoss application server operates cross-platform: usable on any operating system that supports Java. The JBoss EDSP uses the enterprise service bus (ESB) software JBoss Enterprise Service Bus (JBossESB). The JBoss Enterprise SOA Platform enables enterprises to integrate services, handle business events, and automate business processes, linking IT resources, data, services and applications. Enterprise SOA Platform 5e43574774

JBoss Enterprise Application Platform (JBoss EAP) 5e43574774

Oracle SOA Suite Activity Monitoring Oracle Enterprise Service Bus (now known as the Mediator component) Oracle JDeveloper NOTE: *

Oracle Service Registry is commonly associated In computing, Oracle SOA Suite is a part of the Oracle Fusion Middleware family of software products 5e43574774

== Features == 5e43574774

Enterprise application integration Enterprise application integration is an integration framework composed of a collection of technologies and services which form a middleware Enterprise application integration (EAI) is the use of software and computer systems' architectural principles to integrate a set of enterprise computer applications. computer applications 5e43574774

== History == 5e43574774 Message Format Language (MFL) is a BEA proprietary language describing the layout of binary data, which defines rules to transform the formatted binary data into XML data. It is a subset of XML. 5e43574774 Customs checks were limited to the Belfast and Dublin terminals, rather than lengthy stops at Goraghowood and Dundalk, to reduce journey times by ensuring non-stop service. Another innovation saw the introduction of advance ticket booking. 5e43574774 Its largest subsidiary is Public Service Electric and Gas Company (PSE&G), a regulated utility that supplies electricity and natural gas throughout New Jersey. Established in 1928, PSE&G is the state's oldest and largest investor owned utility. It was originally part of the New Jersey-based Public Service Corporation. 5e43574774

Public Service Enterprise Group (PSEG) is a publicly traded energy company based in Newark, New Jersey, where it has been based since its founding The Public Service Enterprise Group, Inc. (PSEG) is a publicly traded energy company based in Newark, New Jersey, where it has been based since its founding. It was founded in 1985, with its roots tracing back to 1903. The Public Service Enterprise Group, Inc 5e43574774

Enterprise application integration is an integration framework composed of a collection of technologies and services which form a middleware or "middleware framework" to enable integration of systems and applications across an enterprise. 5e43574774 == Examples == 5e43574774 Component Object Model for in-process and interprocess communication. 5e43574774 Business rules engine 5e43574774

Enterprise (train service) Enterprise is the cross-border inter-city train service between Dublin Connolly in the Republic of Ireland and Belfast Grand Central in Northern Ireland Enterprise is the cross-border inter-city train service between Dublin Connolly in the Republic of Ireland and Belfast Grand Central in Northern Ireland, jointly operated by Iarnród Éireann (IÉ) and NI Railways (NIR). It operates on the Belfast-Dublin railway line 5e43574774

Enterprise application integration is the process of linking such applications within a single organization together in order to simplify and

automate business processes to the greatest extent possible, while at the... 5e43574774 Data integration 5e43574774 D-Bus for interprocess communication. 5e43574774 Billed as a prestige service, this allowed many of the intermediate stops between the two cities to be cut out reducing the journey time from around 3 hours 45 minutes to 2 hours 15 minutes which aided business travel, which even today, remains an important market. 5e43574774 The inaugural service was hauled by GNR (I) Steam Locomotive No.83 "Eagle." This name would later appear on NIR Diesel Electric locomotive No. 101. 5e43574774 The concept of the enterprise service bus is analogous to the bus concept found in computer hardware architecture combined with the modular and concurrent design of high-performance computer operating systems. The motivation for the development of the architecture was to find a standard, structured, and general purpose concept for describing implementation of loosely coupled software components (called services) that are expected to be independently deployed, running, heterogeneous, and disparate within a network. ESB is also a common implementation pattern for service-oriented architecture, including the intrinsically... 5e43574774 == Architecture == 5e43574774 JBoss Enterprise Service Bus (JBossESB) 5e43574774 Lifeboat Associates Software Bus-86 a.k.a. SB-86, a version of MS-DOS for x86 16-bit computers. 5e43574774 MFL can be used by the Oracle Service Bus (OSB) to assist in the creation of service types as part of service-oriented architecture (SOA) implementations. 5e43574774 == Message Format Language == 5e43574774 The name of the train comes from the "enterprising... 5e43574774 Event management and complex event processing (CEP) 5e43574774 == History of buses == 5e43574774 == Product features and components == 5e43574774

Public transport bus service Public transport bus services are generally based on regular operation of transit buses along a route calling at agreed bus stops according to a published Public transport bus services are generally based on regular operation of transit buses along a route calling at agreed bus stops according to a published public transport timetable 5e43574774

IBM App Connect Enterprise product can be used as an Enterprise Service Bus supplying a communication channel between applications and services in a service-oriented architecture. Rules can be applied to the data flowing through user-authored integrations to route and transform the information. IBM App Connect Enterprise (abbreviated as IBM ACE, formerly known as IBM Integration Bus (IIB), WebSphere Message Broker (WMB), WebSphere Business Integration Message Broker (WBIMB), WebSphere MQSeries Integrator (WMQI) and started life as MQSeries Systems Integrator (MQSI). App Connect IBM's integration software offering, allowing business information to flow between disparate applications across multiple hardware and software platforms. The product can be used as an Enterprise Service Bus supplying a communication channel between applications and services in a service-oriented architecture. App Connect from V11 supports container native deployments with highly optimised container start-up times 5e43574774

JBoss jBPM 5e43574774 Service-oriented architecture (SOA) services 5e43574774

Software bus This makes software buses conceptually similar to buses used in computer hardware for interconnecting pathways. Enterprise

service bus for distributed communication. PCMag A software bus is a software architecture model where a shared communication channel facilitates connections and communication between software modules. D-Bus for interprocess communication. communication. Bus (computing) "Definition of software bus" 5e43574774

PSEG/PSEG origins date back to 1903 with the defunct Public Service Corporation. 5e43574774 Java Connector Architecture (JCA) 5e43574774 Features include deploying, and managing SOAs. Oracle SOA Suite enables system developers to set up and manage services and to orchestrate them into composite applications and business processes. With Oracle SOA Suite's hot-pluggable components, organizations can easily extend and evolve their architectures instead of replacing existing investments. 5e43574774 == Overview == 5e43574774 Lifeboat Associates Software Bus-80 a.k.a. SB-80, a version of CP/M-80 for 8080/Z80 8-bit computers 5e43574774 Event-driven architecture (EDA) 5e43574774

Oracle Service Bus Formerly named AquaLogic Service Bus, Oracle acquired this technology when it bought BEA Systems. Formerly named AquaLogic Service Bus, Oracle acquired this Oracle Service Bus (abbreviated OSB) is an enterprise service bus used by Oracle Corporation. Oracle Service Bus (abbreviated OSB) is an enterprise service bus used by Oracle Corporation 5e43574774

HornetQ 5e43574774 Many types of business software such as supply chain management applications, ERP systems, CRM applications for managing customers, business intelligence applications, payroll, and human resources systems typically cannot communicate with one another in order to share data or business rules. For this reason, such applications are sometimes referred to as islands of automation or information silos. This lack of communication leads to inefficiencies, wherein identical data are stored in multiple locations, or straightforward processes are unable to be automated. 5e43574774 IBM ACE provides capabilities to build integration flows needed to support diverse integration requirements through a set of connectors to a range of data sources, including packaged applications, files, mobile devices, messaging systems, and databases. A benefit of using IBM ACE is that the tool enables existing applications for Web Services without costly legacy application... 5e43574774 In the early microcomputer era of the 1970s, Digital Research's operating system CP/M was often described as a software bus. Lifeboat Associates, an early distributor of CP/M and later of MS-DOS software, had a whole product line named Software Bus. D-Bus is used in many modern desktop environments to allow multiple processes to communicate with one another. 5e43574774 As of January 2011 Oracle Corporation markets Oracle SOA Suite version 11g Release 1 Patchset 3 (11.1.1.4). 5e43574774 Computer clustering 5e43574774 == History == 5e43574774 As of November 2010 Oracle Corporation markets Oracle SOA Suite version 11g Release 1 Patchset 2 (11.1.1.3). 5e43574774 The Great Northern Railway (Ireland) (GNR(I)) introduced the service as the "Enterprise Express" on Monday 11 August 1947 in an attempt to compete with air and road transport which were challenging the railways. 5e43574774

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