

**INTRODUCING BEA M3, THE WORLD'S  
FIRST COMPONENT MIDDLEWARE THAT  
SCALES FOR THE ENTERPRISE.**

**OVERVIEW**

BEA M3™ is a significant milestone for mission-critical distributed objects. BEA, the provider of BEA TUXEDO®, the world's premier transactional middleware, now brings the same caliber, mission-critical aspects to distributed component computing. Scaling to meet enterprise needs, easily connecting to existing applications, and simultaneously providing the value of component-based development, BEA M3 clearly signals a new wave of distributed computing.

**BENEFITS**

BEA M3 helps corporations maintain their competitive edge. Competitiveness is often measured by the speed at which a business can react to rapidly changing opportunities. Increasingly, speed is directly correlated to the ability to leverage a company's existing resources to create new solutions. For software, that means building from components.

BEA M3 provides the environment that enables components to work together. To do this, they must share a common component model. Components must also be able to be deployed throughout the enterprise which requires a standard infrastructure. That is why BEA M3 is based on CORBA and the CORBA/Java Component model.

BEA M3 provides leverage for corporations to connect to the enterprise. Interacting with existing applications, business logic, and data with proven, predictable performance characteristics is key for mission-critical solutions. To accomplish this, BEA integrated BEA M3 with its BEA Connect™ family of products.

BEA M3 lets corporations rest easy knowing their applications are mission-critical. They grow as the company grows. They continue running when various parts of the network fail. They expand and

BEA M3  
is specifically  
designed  
to manage  
components on  
an enterprise  
scale.



contract as the demand requires. They are scalable, reliable, and manageable.

### **BUSINESS SOLUTIONS**

BEA M3 solves real business problems. Whether a new customer care system needs to be extended to the Internet, or a merger requires the integration of a home-grown billing system written as a CICS application with a prepackaged application, or a completely new decision support system must be designed to facilitate rapid response to fluctuating business drivers, BEA M3 provides the infrastructure to respond rapidly.

### **PROVEN**

BEA M3 is built on the proven BEA engine. This is the core technology that runs mission-critical applications for over 1,400 customers worldwide. This list of customers includes almost all of the world's telecommunications companies—companies that created the standard for 24x7 availability. It also includes many large financial institutions—the industry that is credited with taking advantage of the integrity of transactions. The list goes on to include manufacturing, retail, healthcare, transportation, and government agencies around the world.

### **MISSION-CRITICAL**

At BEA, mission-critical means more than an application that doesn't fail. Mission-critical is an application that inter-operates with your legacy systems, that grows as your company grows, that can be deployed with the confidence of having a 24x7 around-the-world support line, and that can be managed operationally as you manage the rest of the resources in your enterprise.

Mission-critical also means having a professional resources organization dedicated to your success. Not only does BEA have a world-class professional services organization, it has over 25 Authorized Service Partners poised to help you develop your solutions.

### **THE BEA ENGINE**

The BEA engine is a set of core technologies that BEA has acquired, integrated, and enhanced to create the highest performing, easiest to use, most integrated, and extensive set of middleware on the market. Many of its sophisticated capabilities are protected by patents. Its record-setting fast message-switching infrastructure is tuned for object management. It leverages the BEA Connect family of



products that not only facilitates connection to other applications and data in the enterprise but also connects the operational management of the enterprise in a seamless manner.

### **OPTIONS OPEN**

The BEA engine enables an enterprise to keep its options open. It allows a company to own the bus on which it deploys the software that creates their competitive advantage. This is accomplished by supporting a wide variety of systems, protocols, and programming environments.

### **UNIQUE ARCHITECTURE ENHANCES EASE OF USE**

BEA M3 augments the engine with a complete architecture. It implements OMG's CORBA. It enables object-oriented applications to take advantage of the BEA-provided, high-performance design patterns. It includes easy-to-understand code samples and guides to facilitate making design decisions that maximize performance and scalability.

Designing a good application is more than modeling the application space. It is about determining the scope of an object, its attributes, and its methods. BEA component application experts have codified their knowledge in the design patterns.

BEA participates on an on-going basis in OMG activities. Senior Architects from BEA hold prominent positions with OMG. BEA has leveraged the best of OMG with its own transaction expertise to make it easier for you to concentrate on the solution that makes your company competitive.

Leveraging distributed applications has never been easier. BEA M3 hides the complexity while performing complicated procedures such as handling state management, object activation and deactivation, and interacting with security.

### **FEATURES**

In the initial release, BEA M3 runs on a variety of platforms, provides access to existing systems and protocols, and facilitates use of multiple programming models.

Platforms:

- Windows NT (Intel)
- Windows NT (Alpha)
- Sun Solaris (SPARC)
- IBM AIX
- Digital UNIX
- HP/UX

Client Access from:

- IOP-compliant C++
- IOP-compliant Java
- Netscape 4.0 browser
- ActiveX

System Inter-connectivity:

- CICS applications
- IMS applications
- SNA environments supporting APPC CPI-C interfaces over LU6.2
- OSI/TP-compliant systems

Programming Models:

- CORBA IDL with C++ (initial release)
- CORBA IDL extended to Java (future release)
- Enterprise JavaBeans (future release)

## **ABOUT BEA SYSTEMS, INC.**

BEA Systems, Inc., is a leading provider of cross-platform middleware solutions for enterprise applications. BEA's products enable mission-critical, distributed applications that work seamlessly in client/server, Internet, and legacy environments. BEA provides transactional, messaging, and distributed object-based software for developing and deploying these enterprise applications.

In addition to its product line, BEA provides complete solutions through its extensive partner network and broad range of professional services.

## **FOR MORE INFORMATION**

For more information on BEA M3, please contact your BEA Account Executive. Or call 1-800-817-4BEA in the U.S., or +1-408-743-4000.



World Headquarters:  
BEA Systems, Inc.  
385 Moffett Park Drive  
Sunnyvale, CA 94089-1208

U.S.A.

U.S.A. Toll Free:

1-800-817-4BEA

+1-408-743-4000

[www.beasys.com](http://www.beasys.com)

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