Jasmine® ii

The eBusiness Platform

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Successful eBusiness Is A Unified eBusiness

eBusiness is rapidly evolving into standard business practice, presenting unique new challenges. At the forefront is the need to integrate diverse business processes into one seamless online presence. Participants in an online trading exchange or customers of an online toy retailer, for example, want to deal with one vendor for all aspects of their transactions. Therefore, your eBusiness must be perceived, act, and be managed as a single entity, even though your partners provide a number of critical supporting functions.

Whether business-to-business (B2B) or business-to-consumer (B2C), this new paradigm demands a new breed of systems to deliver this level of seamless operation. These systems must have the ability to span and integrate the complex business processes of multiple organizations, encompassing a diverse set of technologies and applications running on disparate platforms. At the same time, remaining competitive requires mastering new types of content and business transactions while accommodating demanding partners and customers who expect both highly personalized, secure interactions and ongoing availability.

Jasmine *ii* delivers all these capabilities and more, providing the first comprehensive platform for enabling intelligent eBusiness. This powerful solution provides the services you need for true eBusiness integration — regardless of underlying technologies. With Jasmine *ii*, your eBusiness is a unified eBusiness.

Intelligent eBusiness

Jasmine *ii* redefines the standard for eBusiness platforms. This innovative solution provides everything you need to integrate diverse business processes into one seamless business interaction. Jasmine *ii* allows you to:

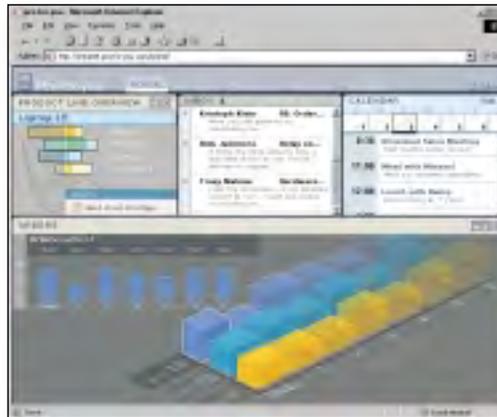## Define And Implement eBusiness Systems

Define your eBusiness workflow and build seamless online applications. With Jasmine *ii*, you can incorporate existing systems into this flow and easily add new functionality where needed. A manufacturer, for example, can integrate existing inventory, order entry, and customer information systems with a new Web-based catalog to create an online marketplace.

Link Business Processes

Link all business processes and supporting systems across multiple organizations, creating a single, seamless eBusiness Flow. A manufacturer can easily link its production systems to partners' systems for just-in-time inventory replenishment, distribution, shipping, and billing.

Monitor And Measure Key Metrics

Track the metrics used to monitor the health of your eBusiness such as number of orders, production schedules, inventory levels, Web hits, and response time. Jasmine *ii* links these unique metrics to your business processes, enabling you to manage all aspects of your eBusiness in context.

The Jasmine *ii portal, providing an integrated view of the manufacturing process, shows combined information from multiple sources.*

Online catalogs created with Jasmine *ii depict your products and services through rich 3-D visualization. Objects can be rotated and viewed from any angle.*

Handle Alerts Impacting eBusiness

Immediately identify problems, which impact the eBusiness, investigate their cause, and take corrective action. The alert handling capabilities of Jasmine *ii* signal business problems such as low inventory levels or credit authorization delays, as well as IT conditions such as slow response times.

Predict Customer Preferences And eBusiness Metrics

Maximize success by predicting customer needs, market trends and new opportunities. Using these forecasts, you can optimize internal business processes and tailor your external processes to meet market demands and dynamically personalize interactions with your customers. For example, an e-tailing system could automatically predict what a prospective buyer is unlikely to buy and dynamically offer an incentive.

Provide Personalized Portals

Provide dynamic portals that offer a customized interaction with your customers, suppliers and partners. Each partner and eBusiness manager can access an up-to-the-minute view of the information and business processes that relate to their unique situation. Customers only see information relevant to their needs at a particular point in time, ranging from order history and delivery tracking to new products and services they are likely to purchase.

Comprehensive
eBusiness Solution

Jasmine *ii* overcomes the complexities of integrating diverse business systems. This unique platform delivers immediate benefits by enabling you to quickly implement eBusiness solutions.

Rapid Delivery Of B2B And B2C Applications is enabled through seamless integration of existing systems, and interoperability with various partners' computing platforms.

Dynamic Content incorporating complex business objects, XML documents and multimedia is available in a rich visual context via Web portals, advanced graphical interfaces or wireless devices.

Out-Of-The-Box Integration provides immediate access to existing assets such as ERP applications, databases, and legacy systems, and allows you to incorporate essential services that enable robust, distributed peer-to-peer computing for Jasmine *ii* applications.

Dynamic Personalization With Intelligence is made possible using Neugents,™ CA's innovative approach to creating eBusiness value. Neugents predict customer needs and preferences, forecast business outcomes across any business process, and drive compelling, personalized portals that are dynamically updated in real-time to fulfill customer needs.

Complete Solution

Jasmine *ii* provides a complete solution for building, testing, and deploying intelligent eBusiness applications. It integrates an application server, object transaction monitor, enterprise applications, dynamic personalization, and portal technology into one platform, giving developers time to focus on delivering compelling eBusiness systems rather than integrating today's diverse technologies.

Competitive Advantage With Neugents

Neugents add vital intelligence to eBusiness applications. This powerful technology provides unique capabilities to help your eBusiness gain a competitive advantage.

Profit From Breakthrough Business Understanding. By analyzing vast, diverse sources of corporate data, Neugents can identify critical factors that drive business outcomes. Using this knowledge, Neugents can predict future outcomes, resulting in new opportunities and maximized returns on investments.

Strengthen Customer Relationships. By learning customer preferences from past experiences, Neugents enable you to build realtime, personalized applications to meet the needs of "market of one." These applications can dynami-

Open, Integrated Platform

The open, extensible environment of Jasmine *ii* provides full support for all Internet standards. It also ensures interoperability with eBusiness partners through native support for XML, EJB, COM/COM+, and CORBA. Developers can leverage popular Internet technologies such as Java, XML, C++, and VB, or continue to use their own toolsets to build eBusiness systems. By allowing you to easily integrate and extend your existing systems, Jasmine *ii* leverages your current investments in applications, technologies, and skills.

cally match products to clients through customized Web portals, providing an intimate client experience that fosters customer loyalty, increases customer satisfaction, and attracts new customers. **Increase Revenue.** Neugents deliver realtime eBusiness prediction to maximize revenue potential. Through what they have learned, Neugents can anticipate customer needs in any system — from Internet catalogs to call centers — identify opportunities for cross-selling and up-selling, and predict customer responses to ads and incentives.

Maximize Productivity. Because Neugents can learn continuously and adapt to changing business conditions, applications become self-learning and improve automatically over time. This boosts productivity by reducing the amount of application maintenance resulting from changing market conditions.

Distributed Services

Jasmine *ii* provides everything you need to intelligently embrace eBusiness. From reusable components that ensure interoperability among technologies and partners, to its rich set of distributed services, dynamic content creation, predictive capabilities, and more, Jasmine *ii* delivers unparalleled benefits.

Jasmine *ii* includes a complete set of distributed services needed for reliable and scalable Internet computing. These services supply all the facilities of an application server and encompass full distributed transaction and object management. Since these services are integrated into the peer-to-peer infrastructure of Jasmine *ii*, you can build and deploy inherently distributed applications that automatically take advantage of these services. This allows you to rapidly deliver secure, reliable, and scalable eBusiness applications with full transaction integrity.

Integration Of Existing Systems

Existing systems can easily be transformed into reusable assets for deployment in new eBusiness applications. Jasmine *ii* leverages the properties of the underlying source technology so you can fully exploit the unique capabilities of each, while exposing data and logic as native Jasmine *ii* objects in the development environment. Out-of-the-box integration is available for widely used enterprise application sources such as ERP systems, databases, modern component implementations (for example, XML, EJB, COM/COM+, CORBA), eCommerce systems, and legacy applications. You can also integrate other logic and data sources such as mail systems, directory structures, and non-traditional sources such as live data feeds. Through this re-purposing, key business systems can be reused to rapidly enable new eBusiness systems.
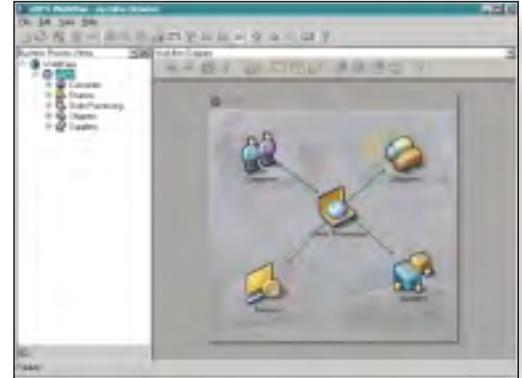
Interoperability With Partners

Jasmine *ii* provides an open, standards-based platform, which effectively links business processes with those of customers and suppliers. Jasmine *ii*'s native support for a variety of Internet enabling technologies for interoperability — XML, EJB, COM/COM+, and CORBA — accommodates any complex mixture of technologies and operating environments. Integrating eBusiness processes goes beyond content sharing to the selective sharing of application functionality and data.

Prediction And Dynamic Personalization

Neugents provide breakthrough understanding of your business, suppliers, and customers. Leveraging the wealth of data available through Jasmine *ii* from internal and external sources, Neugents learn about the way your business operates, and discern the complex interactions between your suppliers and customers. Applying this knowledge, Neugents discover things about your business that you do not already know and predict business outcomes. Neugents predictions enable you to capitalize on untapped markets and opportunities by optimizing the supply chain and strengthening your customer relationships through realtime dynamic personalization.

Use Jasmine *ii to model the eBusiness Flow.*

Dynamic Content Availability

Jasmine *ii* forms content dynamically at time of access, portraying it in a rich visual manner whether accessed from a browser, complex GUI, PDA, or other wireless device. With Neugents, Jasmine *ii* applications become self-learning and drive realtime dynamic personalization. New functionality, whether added to the Jasmine *ii* application or to an external source referenced by it, becomes available automatically. Applications operate in realtime, are event driven and content can be either pulled or pushed dynamically.

Development Tools

You can choose to use your existing development tools or the integrated toolset provided with Jasmine *ii*. Jasmine *ii* includes an object browser, application builder, reporter, publisher, modeler, and administration tools. Jasmine *ii* allows you to build, test, and deploy new eBusiness applications while leveraging your existing skills and technology investments.

Reusable Component Creation

With Jasmine *ii*, business processes and content appear as reusable components, independent of location or implementation. These components can be seamlessly assembled to rapidly build new eBusiness functionality. Components can be built by:
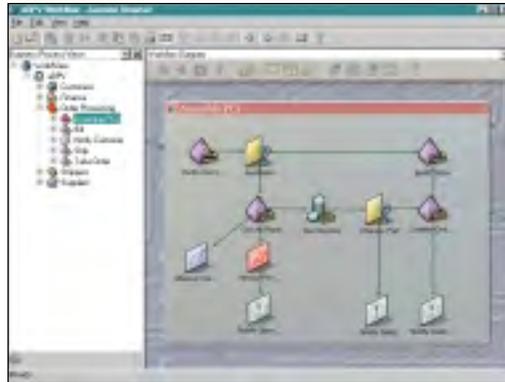
• Using Java, XML, or C++

• Leveraging development tools, such as Visual Café, JBuilder or Visual Basic

• Creating Enterprise Java Beans, COM/COM+ components, or CORBA objects

• Integrating components available from existing systems

These components may also be reused in Jasmine *ii* applications. As a result, Jasmine *ii* makes all these components built on different technologies interoperable.

Persistent Storage

Jasmine *ii* allows persistent storage of eBusiness objects, either in its own object database or in any external data store. The Jasmine® Object Database stores objects natively, including complex content such as XML documents and multimedia, as well as objects reflecting complex business relationships. In this way, the Object Database acts as a convenient store for business objects flowing across the distributed eBusiness environment.

The operations manager's portal of Jasmine *ii is highlighting vendor problems in the eBusiness Flow.*

Extensive Facilities For eBusiness Applications

COM/COM+

Jasmine *ii* provides seamless interaction with COM business components and COM+ services. These components and services are available to any Jasmine *ii* application, including those written in non-COM compliant languages.

Dynamic Personalization

Jasmine *ii* uses Neugents to leverage the wealth of historical and current data to predict user needs and drive the delivery of personalized content in realtime.

Enterprise Java Beans (EJB)

Jasmine *ii* provides distributed, peer-to-peer EJB containers, which support both session beans (stateless and stateful) and entity beans (BMP and CMP). Jasmine *ii* provides extraordinary CMP flexibility by enabling persistence to a broad range of databases, legacy systems, and other information providers. Standard J2EE interfaces such as JNDI and JTA are supported. Jasmine *ii* brings the benefits of EJB and its own language neutral philosophy together by enabling a broad range of non-Java clients to use EJBs. With Jasmine, C++, Visual Basic, and other technologies are not left out.

Application Server

Jasmine *ii* provides a fully distributed, peer-to-peer multithreading application server with management for sessions, security, transactions, events, and message queuing, allowing for an *n*-tier component approach to application delivery.

Enterprise Application Integration (EAI)

Jasmine *ii* acts as an EAI engine to provide bi-directional access and transformation to all forms of enterprise data (such as ERP, database, components, legacy systems, e-mail, and directories) with transaction control, event management, and publish/subscribe services. It allows for complete location transparency of all data, and encapsulates that data as distributed objects and components.

Object Database

Jasmine *ii* provides an object database for efficient storage and management of complex content such as XML documents and multimedia, business application objects and the complex interrelationships between them.

Object Request Broker (ORB)

The Jasmine *ii*'s integrated ORB allows you to access information exposed by any CORBA-compliant server, and to work with any CORBA services such as the naming, trader, or query service.

Portals

Jasmine *ii* enables delivery of rich visual Web interfaces tailored to individuals' unique requirements for access to all the application services and information they need.

Transaction Management

Transactions within Jasmine *ii* and with external sources can be managed and controlled providing full transaction integrity and security, supporting both optimistic and pessimistic modes.

XML

Jasmine *ii* offers complete XML support at both the client and the back-end information source. Distributed XML documents become true transactional information resources with Jasmine *ii* and can be fully integrated into existing business systems. Jasmine *ii* supports concurrent access of XML documents, queries, and more. Jasmine *ii* provides XML access to all enterprise data and applications.

Full Support For Internet Computing	
✔	Application Server
✔	Authentication
✔	C/C++
✔	Cache Management
✔	COM/COM+
✔	Compression
✔	CORBA
✔	Data Store
✔	Directory/LDAP
✔	EJB and Java Bean
✔	Encryption
✔	Event Management
✔	File System
✔	Java
✔	MAPI
✔	Messaging
✔	Meta Store/Data Store
✔	Naming
✔	Object Database
✔	ODBC
✔	OLE/DB
✔	ORB
✔	Publish/Subscribe
✔	Transaction Management
✔	WBEM
✔	XML

Services

A complete range of services is available for Jasmine *ii* to ensure clients achieve the eBusiness outcomes they desire. These services include building and deploying eBusiness applications, designing eBusiness strategies and eBusiness architectures, and managing or hosting eBusiness systems once in production. These service offerings are available directly from Computer Associates and through our partners.

Partners

CA has a global network of Jasmine *ii* partners that provide an extensive set of value-added products and services. This growing family of partners provides industry and application expertise to deliver solutions for a wide array of industries such as financial, commercial, and government sectors.

Innovative solutions are available across the eBusiness spectrum, including B2B, B2C, Application Service Providers (ASPs), trading exchanges, front and back office automation, supply chain integration, business intelligence, and industry portals.
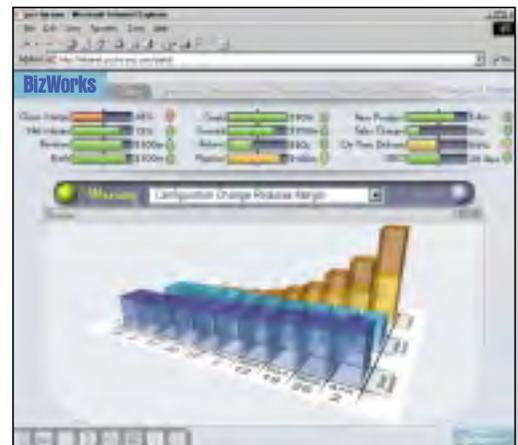
In addition, a number of complementary tools are available to augment the Jasmine *ii* environment, including IDEs, utilities, and more.

Education

Computer Associates provides a full range of educational classes for Jasmine *ii*, to ensure clients have effective skills in order to maximize the value they receive from Jasmine *ii*.

CA's eBusiness Solutions

Jasmine *ii* is a key solution within CA's eBusiness offerings which address the full spectrum of eBusiness needs. CA's Unicenter TNG® provides management of the eBusiness infrastructure including assured Quality of Service (QoS), Internet security, storage management,

The executive command and control portal shows visual alerts for eBusiness areas that require intervention, with drill-downs into realtime operational data.

management, and service desk. Specific eBusiness applications are also available such as Web-based supply-chain management and the BizWorks™ executive command and control system.

"CA is right on the money with its focus on the revenue-expansion capabilities of Jasmine *ii* and other CA products. With its new visualization and unique Neugents capabilities, Jasmine *ii* provides companies with very tangible technical functionality that can translate into higher Return on Opportunity™ for businesses and eBusinesses."

The Hurwitz Trend Watch (7/99)

"Real-world Internet applications don't start with a clean sheet of paper. They merge existing data and applications with new Web technologies. CA's Jasmine *ii* — with its open architecture and integration capabilities, support for standard Internet technologies such as Java, XML, and COM+, and the unique predictive technology in Neugents — makes an ideal platform for delivering innovative and adaptive eBusiness solutions."

Peter Kastner, Vice President, Aberdeen Group Inc.

"Businesses are fed up with the massive integration over-heads associated with patchwork infrastructure; they would rather channel limited resources into business services delivery. Jasmine *ii* provides a backbone for integration, from legacy to the latest thing, making it an effective eBusiness enabler."
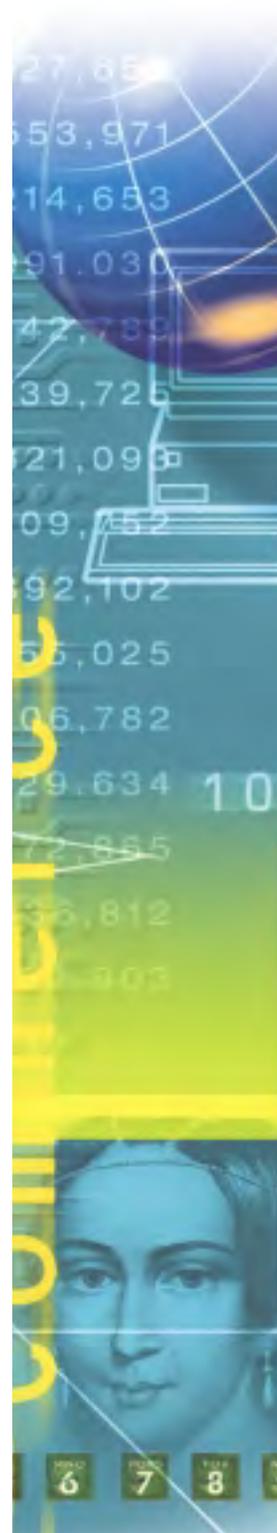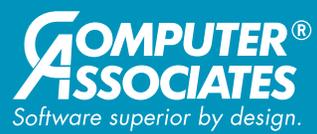
James Governor, Analyst, Illuminata

"IDC believes that Jasmine *ii*'s robust set of integration capabilities and its depth of deployment services, combined with Neugents predictive technology, renders Jasmine *ii* the first truly Cybersmart environment for development and deployment of dynamic eBusiness applications."

Anthony Picardi, Senior Vice President, Worldwide Software Research Programs, International Data Corp.

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