

Cost-effectively maintain RPC/CORBA-based applications and freely extend them to participate in SOAP and ESB-based solutions



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Enabling Enterprise Evolution

Evolution Products

## NXTware IME: Integrated Maintenance Environment for RPC and CORBA-based Systems

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### HIGHLIGHTS

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- *Integrated Maintenance Environment simplifies the maintenance and development of RPC and CORBA clients and servers in Eclipse*
- *Performance improvement wizards for database pooling, and instance management*
- *Support for single and cross-implementation communication including: VisiBroker, Orbix, JacORB, WebSphere, Entera, EZRPC, ONC-RPC, Tuxedo and DCE.*
- **Benefit: Makes Maintenance Engineers more successful and productive maintaining and extending applications based on RPC and CORBA**
- *Wizard-based extension of CORBA and RPC with commercial and open source SOAP, messaging and Enterprise Service Buses platforms*
- *Wizards Automate interoperation and federation of legacy services*
- *Automatic deployment to repositories such as IBM WebSphere Service Registry and Repository (WSRR) and SOA Software's UDDIv3 Registry, Service Manager*
- **Benefit: Enables existing applications to contribute simple and federated services to SOA and ESB platform subscribers**

A recent survey reported that 55% of surveyed US IT professionals believe Eclipse-based tools make it possible to extend the utility of applications that are based on legacy middleware, such as CORBA and RPC. The majority of respondents reported that their existing systems would last longer and be more efficient if supported by Eclipse-based automated tools and wizards for maintenance and integration.

NXTware IME, the industry's first integrated maintenance environment, is especially designed for software engineers responsible for maintaining and extending existing RPC and CORBA-based Systems. Leveraging the Eclipse IDE, NXTware provides visual tooling that lowers the costs of maintaining, updating and integrating existing RPC and CORBA assets.

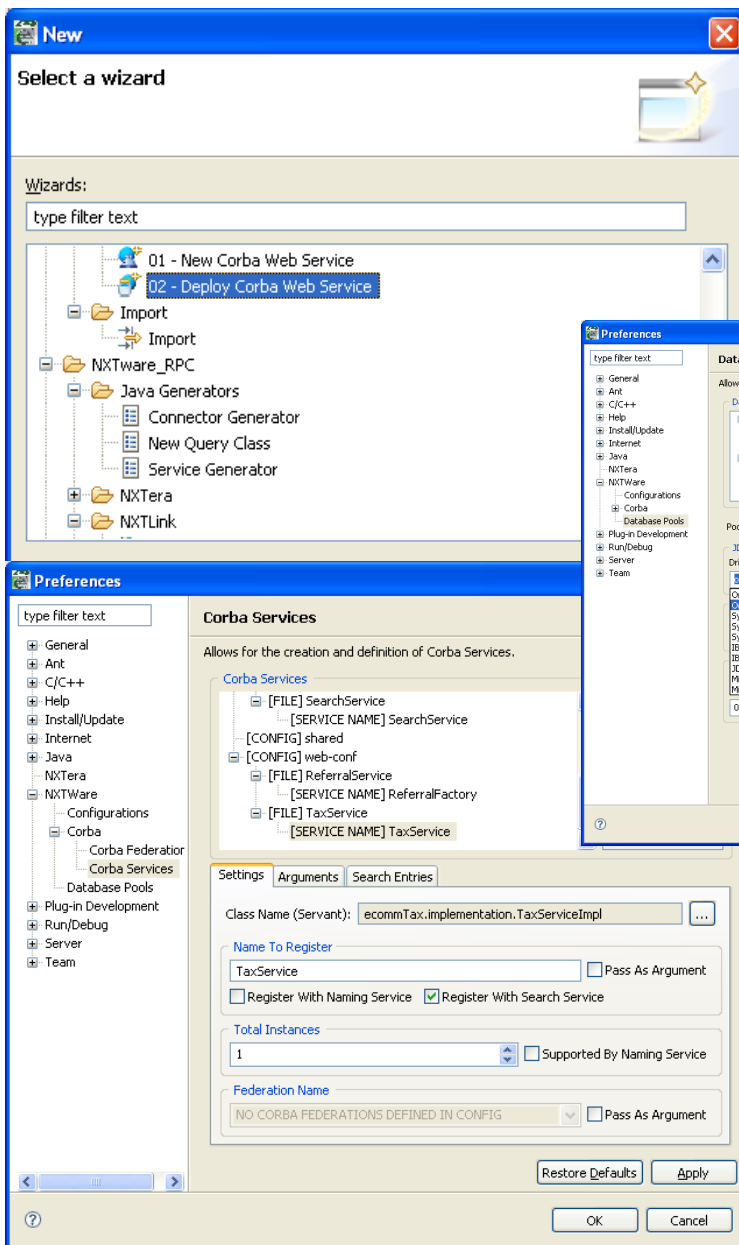
By using NXTware, IME companies can effectively respond to business demands by quickly extending capabilities, changing business logic and modifying runtime configurations. At the same time, NXTware users get faster ROI from new technologies like SOAP and ESB because legacy RPC and CORBA middleware services can be used from contemporary SOA platforms. Jump-starting the productivity of an SOA initiative is easy when NXTware IME enables you to use existing strategic business logic.

All of this is accomplished with wizards that automate time-consuming tasks and allow less-experienced maintenance engineers and RPC/CORBA novices to be more productive. There is no need to upgrade to newer versions of middleware and thus no extensive interface development.



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## What is NXTware?

eCube's NXTware combines the world's first Integrated Maintenance Environment (IME) with a maintenance and modernization framework to deliver tooling, components and wizards that are designed to enable the efficient and cost effective maintenance of legacy middleware applications.

The NXTware maintenance and modernization framework is comprised of tools used within the IME during the maintenance, integration and deployment processes and by the legacy software itself during runtime.

These tools include configurators, interface generators and runtime services. The purpose of the framework is to address the complexity, weaknesses and gaps that are inherent to specific legacy platforms, versions and architectures (for example: simplifying data access, deployment and integration with messaging and SOA frameworks.) Additionally,

NXTware IME Eclipse-based CORBA Tooling

NXTware makes legacy applications less brittle, capable of operation at high service levels and flexible enough to serve as reliable participants in modern composite SOA applications.



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## Feature and Benefits

The NXTware IME is designed specifically for maintenance engineers and those needing to integrate applications based on CORBA middleware. Its unique blend of features and benefits make it a stand out in the world of Eclipse tooling.

Features		Benefits
<b>Maintenance Tooling</b>		<ul style="list-style-type: none"> <li>• Support Eclipse standards and single development/maintenance platform</li> <li>• Simplify transition from development to maintenance teams</li> <li>• Compensates for gaps in knowledge and documentation</li> <li>• Provides basis for maintenance engineering to improve performance, modernize or integrate</li> </ul>
1.	Integrated Maintenance Environment	
2.	Import Wizard handles source import from scratch	
4.	Visual tools for Idl2Java Support for: Sun JDK, JacORB, OpenORB, ORBacus, Orbix 3.x, Orbix 6.3, VisiBroker	
5.	Visual tools for Idl compiling for: Fortran, C, C++, COBOL, Pascal, Delphi, Basic, PB	
6.	Wizard support for source and binary analysis service	
<b>Development Capabilities</b>		<ul style="list-style-type: none"> <li>• Increased engineering productivity</li> <li>• Removes hours and days from the process of updating an existing application with new functionality</li> <li>• Simplifies the long standing complexity of working with data</li> <li>• Support real-world heterogeneous environments</li> </ul>
1.	Automatic generation of the server Implementation	
2.	Automatic generation of client connectors with automatic switching between middleware	
3.	Wizard-based generation of data services with support for data pooling	
4.	Supports connectivity for multiple databases and connections pool -- homogeneous and heterogeneous configurations	
<b>Integration Capabilities</b>		<ul style="list-style-type: none"> <li>• Enables less-experienced engineers to be more productive with visual tools</li> <li>• Focuses on business value, not on "plumbing"</li> <li>• Enables legacy services to fully participate in SOA environments</li> <li>• Interoperate from IDL to SOA registry</li> </ul>
1.	Wizard-based auto generation of RPC/CORBA Web services (WSDL)	
2.	Wizard-based auto generation RPC/CORBA messaging services supporting JMS and MQ <sup>1</sup>	
3.	Flexible deployment to service repositories. Automates database interfaces with database engines and supports multiple databases and connections pool -- homogeneous and heterogeneous configurations	
<b>Deployment and Runtime Capabilities</b>		<ul style="list-style-type: none"> <li>• Simplifies runtime configuration management</li> <li>• Improves performance and availability</li> <li>• Enables support for multiple ORB's</li> <li>• Provides inter-ORB communications (e.g., VisiBroker to WebSphere)</li> </ul>
1.	Support for CORBA project configurations (or partitions) that group available services and ORBs together while setting patterns for usage, availability and set-up Automatic deployment of the CORBA, SOA and messaging services and all related files	
2.	Control for instantiation, fail-over and search criteria in configurations	
3.	Wizard for external Naming Services or NXTware Search Service	

<sup>1</sup> Support for other MOM's available on-demand



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Ready for

**IBM | SOA**

Specialty

## IBM SOA Specialty

eCube Systems has been accepted to the IBM SOA Specialty after successfully meeting IBM's rigorous SOA technical and business requirements. With this achievement the NXTware™ product family has been recognized as integrating with the IBM software and strategy for SOA.



## eCube Systems

eCube Systems offers a family of middleware evolution products and services that maximize return on technology investment by leveraging existing technical equity to meet evolving business needs. Fortune 1000 companies and government agencies turn to eCube Systems to reduce risk, extend ROI, and increase productivity as they consolidate existing capabilities and evolve legacy systems to contemporary SOA platforms, such as ESB and Web Services.

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