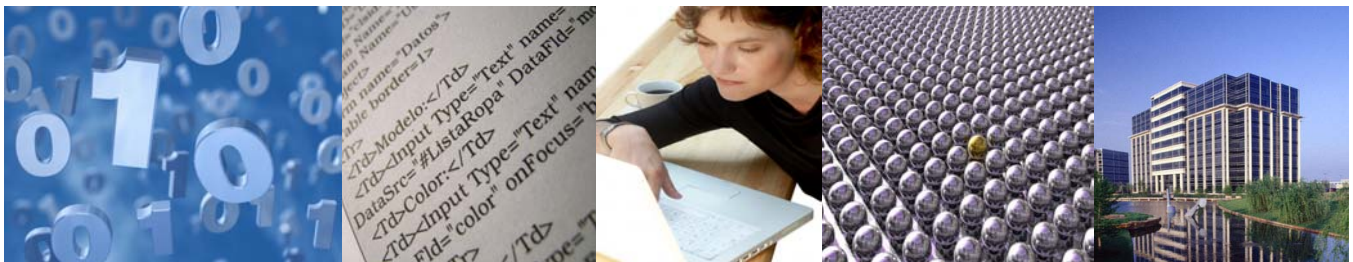




Multi-Language Application Integrator™



Challenges In Multi-Language Environments

CINERGI™ reduces applications integration complexity, speeds delivery time of new applications to end-users and preserves your investment in previously written applications.

CINERGI™ is a non-intrusive software development tool that quickly and easily integrates business logic from an application written in one language into an application written in another language.

Protect your investment in previously written applications

Today's IT Challenges

In the 1990's, many organizations grew rapidly due to mergers, acquisitions and the opening of new markets and geographic expansion. IT adapted by delivering new applications at an intense pace.

Often there was no time to do backward integration with legacy applications, nor time to exploit the advantages new technologies offered.

Today, enterprises, government agencies and other organizations are looking at IT cost reduction as an opportunity to untangle applications and position their



application frameworks for the future while leveraging investments already made.

Software Developers

Software developers have many challenges today:

- Plethora of applications to maintain
- Some applications were written years ago; some recently
- Applications are written in multiple languages
- Applications run on different operating systems
- Original developer may no longer be available
- Applications may not be well documented
- Reluctance to modify code in production
- New demands from end users
- Asked to "do more with less"

Universal integrator

CINERGI™ supports .NET, C++ and Java™, helping you deliver new features and functions to your end-users, all without modifying the business logic in the original application.

Fundamentally Better Software Solutions

Recursion Software's focus is to develop software for software developers. As fellow developers, we recognize the challenges of developing applications in today's complex and varied development environments. Our goal is to provide you with fundamentally better software solutions that you can implement today.

In industries ranging from banking to defense, today's software development teams rely heavily on Java™, C++ and Microsoft .NET™ to power some of the world's most mission critical applications.

Leverage existing business

Increasingly, enterprises are faced with bringing these disparate technical worlds together to mine information, add new feature functionality and inter-operate.

Return on Investment

Companies cannot afford to throw away investments in previously written applications. CINERGI™ enables business logic written in one language to be reused in an application written in a different language.

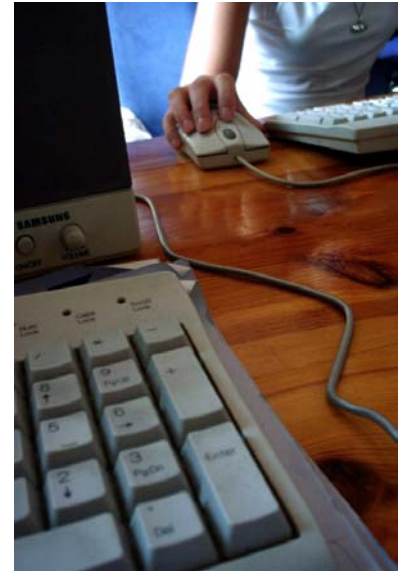
Universal integrator

CINERGI™ reduces the complexity of developing client-server applications in multiple languages. CINERGI™ enables architects to quickly and easily design new applications that use functionality in existing applications in a fast and secure run-time environment. CINERGI™ has an easy-to-use graphical user interface and supports Java™, C++, C# (.NET), CORBA and SOAP.

Fast Transactions

For optimum performance, CINERGI™ users can select either standards-based communications protocols (SOAP/XML) or Recursion Software's fast, secure binary protocol.

Developers simply access CINERGI™ from their preferred Interactive Development Environment (IDE) such as ECLIPSE or Microsoft Visual Studio® or through a stand-alone console.



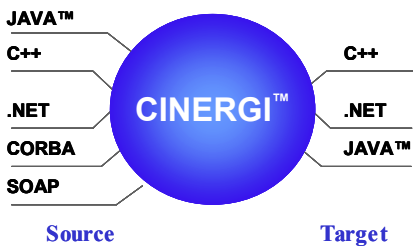
CINERGI™ requires no additional hardware, no changes to back-end systems and no modifications to development processes.

The Nuts and Bolts

CINERGI™ is a non-intrusive, transparent, fully distributed applications development tool that reduces the complexity of working in multiple languages in client-server environments.

Language Support

CINERGI™ easily and efficiently integrates objects developed in Java™, C++, .NET, SOAP or CORBA.



CINERGI™ enables architects to remotely access and re-use functionality in existing application without affecting the stability of the original application.

CINERGI™ WORKFLOW

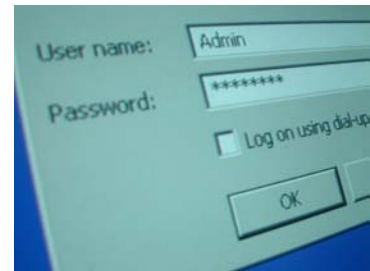
CINERGI™ WORKFLOW guides architects quickly and easily through the selection of existing code for re-use in new applications. During the Design Process, the architect will use the Architect Console to select and import the

source functionality to be mapped over to the new application. The architect will then select the target output language. The final step is the creation of the adaptors for the original application and the proxies for the new application.

The Architect Console works smoothly in either a stand-alone environment or in conjunction with well-known and widely used Interactive Development Environments (IDEs) such as Microsoft Visual Studio® or Eclipse.

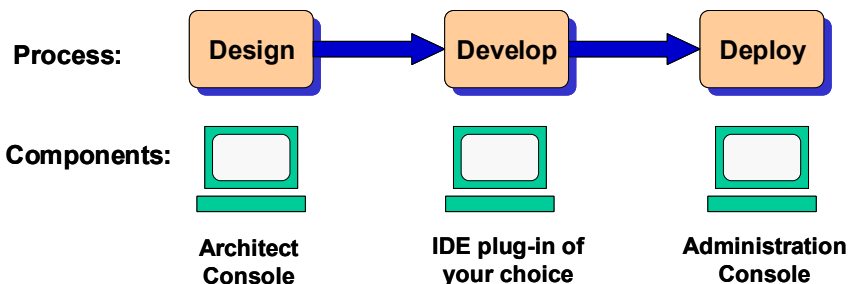
CINERGI™ supports standard SOAP/XML communications or architects can choose our fast and secure, binary run-time engine.

The Administration Console is a simple way for system administrators to keep track of everything from license compliance to versions deployed.



Vision

CINERGI™ is designed to allow the developer or project manager, to determine what environment to develop in. CINERGI™ supports all programming environments equally.



The Nuts and Bolts

(Continued)

Adoption of Service Oriented Architectures will drive developers to look for best practices to increase efficiency and reduce project development time. CINERGI™ provides solutions today.

Performance

CINERGI™ includes a powerful, high performance run-time engine that allows for tuning network and system resources.

- Manage and pool TCP/IP connections
- Manage and pool threads

Standards

CINERGI adheres to today's standards for development including:

- Common Language Infrastructure (CLI) for C#
- Sun® J2EE specifications
- CORBA specifications
- SOAP/XML specifications

System Requirements

No additional hardware or software is needed for interoperability. No need to learn or understand additional technologies.

Key Features

- Business logic reuse
- Robust messaging run-time with support for multiple protocols: binary and SOAP/XML



- Source file types:
 - C++
 - Java
 - .NET
 - WSDL
 - IDL
- Target Output types:
 - C++
 - Java
 - .NET (C#)
- Multiple communication modes
 - Asynchronous
 - Synchronous
 - One-way
 - Notifications
 - Pluggable Transport

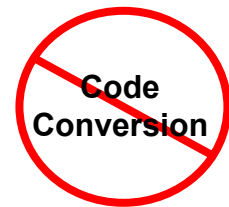
CINERGI™ WORKFLOW

Processes: Design, Develop, Deploy

Components: Architect Console, Individual IDEs, Administration Console

Operating System and Environments

Microsoft Windows	Visual Studio .NET, Java 1.4
Linux	GNU gcc, Java 1.4
Sun Solaris	Forte C++, GNU gcc, Java 1.4
HP	HP-UX aCC, GNU gcc, Java 1.4
IBM	AIX Visual Age, GNU gcc, Java 1.4





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