



# Clareti<sup>3</sup> Integration

A robust, proven integration tool enabling real time connectivity

# Celebrating 25 years of providing our integration technology to Her Majesty's Government. Enterprise application integration technology built to last.

Integration of systems has never been more important. Clareti Integration delivers real time solutions in the bank to bank and bank to corporate markets.

## Our Heritage

Gresham first began solving integration issues way back in the 1980s when engaged by the UK Government to solve what was becoming a serious business issue - the need to link legacy systems to modern. Gresham developed an integration technology, Clareti Integration, capable of linking closed mainframes to emerging open systems. Some 25 years later that technology is still doing the job, managing data from 1.7m users with a data throughput valued at £680 billion pa.

## Bank to Bank

Right now, Clareti Integration is working to broker bank payment information within Gresham's Clareti Cash Reporting service, with a throughput of \$140 Trillion pa. The numbers are getting larger, but the basics remain the same.

## Bank to Corporate

Clareti Integration has proven capabilities in the corporate space, linking partners together to conduct business electronically. Perhaps the single biggest challenge for banks right now is communication in real time with their customers and this is where Gresham really does provide the missing link. Our technology links a bank with its customers, brokering straight through processing and real-time reporting. We have a significant amount of experience to share in this area with a focus on practicable solutions, delivered on time.

Clareti Integration has all the functionality you would expect from any mainstream EAI tool, but with a lot more heritage. The technology was developed to solve emerging problems - not to 'retro-fit' existing ones, with the result that the architecture enables true enterprise-wide integration from legacy to modern because it was built that way.

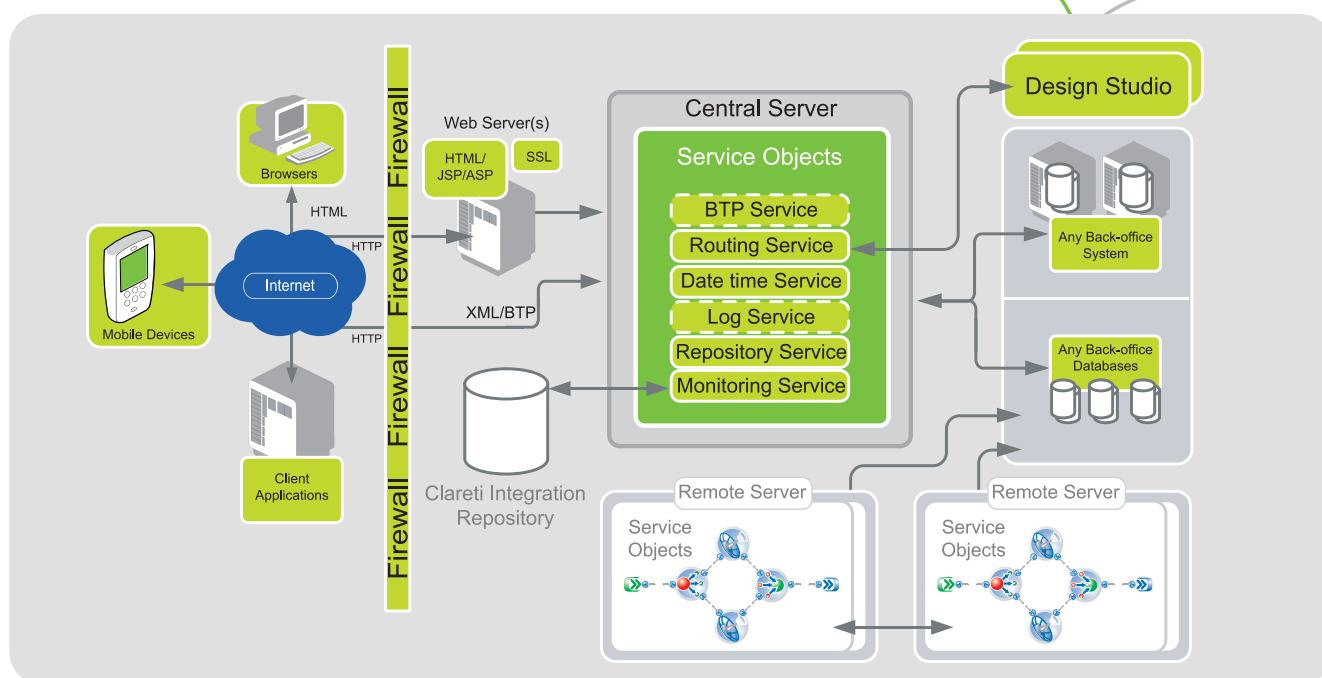
We can talk the right languages - Clareti Integration provides API's for .NET, ActiveX, Java and JSP via Session Beans that return either XML or XHTML. As you might expect, we have already added modern SOA / Web Services functionality together with data to mobile capabilities.

Closed mainframe environments will no longer be a problem because Clareti Integration was specifically written to work with, amongst others, HP Non Stop and VME machines

## Key features

- Integrates
  - modern and legacy systems
  - bank to bank
  - corporate to corporate
  - bank to corporate
- Near limitless scalability
- No invasion of architecture or systems
- High throughput
- High availability and reliability
- Reusability

Clareti Integration's packaged legacy adapters ensure that solutions can be rapidly delivered, in a matter of weeks not years.



## Solution overview

- Modern systems are integrated with pre-built Java components, ensuring a rapid and consistent mechanism for integrating messaging systems, databases, the internet, e-mail and other technologies.
- Legacy system integration is managed in two ways. Through either screen adapters providing cost effective, non-intrusive and robust access to common screen types 3270, 5250, VT plus, TA6530 and Fujitsu 7561. Alternatively, Dataserve or Tandem Message Broker can be used to make direct calls either to an application or operating system.
- End-users are addressed through the provision of an integral web server and presentation layer or via existing presentation layers. Most importantly,

Clareti Integration supports client session management throughout an integrated process.

- Existing islands of integration can be exposed and expanded through a distributed Clareti Integration deployment. Third party and proprietary components may be utilised across the enterprise as services. As a result of Clareti Integration's lightweight footprint, business processes may span integrated islands without impacting performance or requiring additional resources.

Clareti Integration may be considered the "integrator's integrator"; consuming and publishing information between architectures and exposing third party components, making them available across the enterprise.

## Architecture

Addressing any integration need within a single integration architecture is fundamental to rapid and economic delivery in complex environments. Key to orchestrating an expansive and complex environment is the ability to deploy seamlessly across a network. This means distributed computing. Until now, tools have not been built with "reusability", "service-based architectures", "channel architectures" and "distribution" in mind.

Clareti Integration is different. It can be deployed across the entire organisation in a manageable way. For example, Clareti Integration can



publish host systems as services and go on to clone and load balance those services globally.

#### **High Availability and Scalability by Design**

Clareti Integration is architected to avoid inherent limitations in processing capacity. Engineered as a high availability, high throughput product, Clareti Integration applies concepts of neural network processing and resource management within a distributed Java framework. Two key architectural factors enable Clareti Integration to offer near limitless scaling and high availability.

#### **Stateless operation**

This ensures minimum system resources are used to perform a given task as it avoids unnecessary interaction with physical devices. Stateless operation ensures the highest possible degree of vertical scaling, i.e. within a single machine.

#### **Distribution**

This allows processing components to be deployed in either a distributed or cloned way to ensure high throughput, optimal utilisation of hardware resources and/or high availability.

#### **Design and Deployment**

The Graphical Studio provides a single point of entry for the developer/analyst to define, test and deploy all aspects of an integration solution. No proprietary processing model is employed and Clareti Integration also adheres to true Object Orientated principles, enabling maximum efficiency in componentisation and reuse. Rapid deployment is further simplified by the ability to step through the integration and visualise the data as it passes each stage.

## About Gresham

Gresham Computing plc (LSE:GHT) specialises in the provision of real-time financial solutions to banks and corporates, and has a well-deserved reputation for technical excellence, reliability and a strong service culture. Our storage division helps the largest data users to better manage the unrelenting growth of data.

## Further information

For more information on how Clareti Integration can help your company visit

[www.gresham-computing.com](http://www.gresham-computing.com)

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