

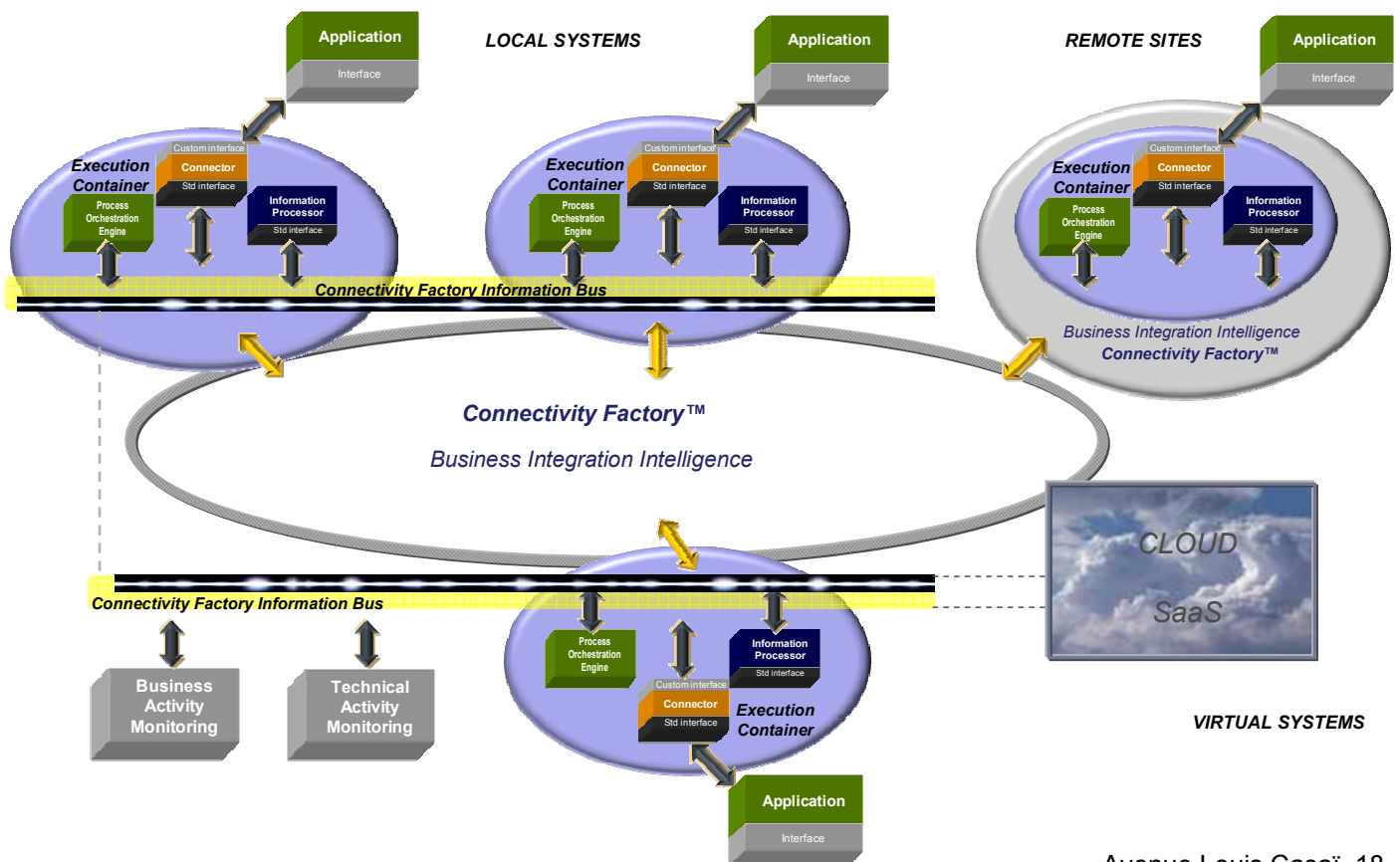


- Quick and adaptive
- Agnostic
- Supports virtualization
- Standard maintenance
- Permanent business to IT alignment

For Banks and Financials Institutions, the **connectivityfactory™** provides a unique opportunity to rationalize their IT and align it with the new regulatory rules and competitive goals.

The **connectivityfactory™** offers an integrated business oriented solution to provide a tight interoperability with applications exposing proprietary protocols and APIs.

Standard connectors accelerate Information Systems integration and evolution. The **Factory** produces bespoke connectors within days. Applications can now be integrated smoothly, within weeks.





STANDARD CONNECTORS

Supports standard technologies and applications communication protocols

Immediate installation, no specific configuration through parameters

Regular maintenance

Installation of 2 standard connectors for T24 and GLTrade
Timeframe = 2 days
Workload =
Installation & testing: 1 day
Parameters: 2 hours
Production Envirt: 1 day

THE FACTORY

Deliver the web connector to local Stock Exchange
- Timeframe = 2 weeks
- Workload =
Installation & testing: 4 days
Parameters: 2 hours
Production Envrt: 1 day

INFORMATION PROCESSOR

PROCESS ORCHESTRATION ENGINE

TAM—BAM

STANDARD CONNECTORS are available for all key banking protocols, technologies and applications

Standard banking protocols

Through Artix Data Services, Connectivity Factory can embed until 40 Data Object Definition (DOD) libraries which fully encapsulate the published syntax and validation rules for over 40 financial messaging standards. Among them: SWIFT, FpML, SEPA, FIX, ISO 20002, CLEAR, EUROCLEAR, FIX v4 to v5.

Technology

- JMS messaging and Messaging Oriented Middleware
- Relational Data Base OLTP connector
- Network Intelligence
- Complex Event Processing
- Business Process Management Solutions
- Transfer SSH : Shell, FSTP, FCP

Applications

- TEMENOS T24
- QUOD FINANCIAL
- FINNOVA
- SUNGARD GL

THE FACTORY produces connectors to integrate specific applications and technologies

- Very small footprint
- No centralized hub
- High security
- Easy to embed
- Easy to deploy, highly scalable
- Easy to integrate
- Tailored for non-stop computing
- Cloud and SaaS ready

THE INFORMATION PROCESSOR transforms and routes information to allow communication between applications

Information broadcast / multicast
Information transformation
Information correlation
Information persistence

THE PROCESS ORCHESTRATION ENGINE
Ensures logic reconciliation between applications

Capability to orchestrate business oriented information flows (payment flow, trade orders...). Acting as a sequencer, the orchestration engine manages composite information and makes sure business rules are respected. Involves 2 to many counterparts.

TECHNICAL ACTIVITY MONITORING

Delivers real time information about technical performances (transaction elapse time, response time...)

BUSINESS ACTIVITY MONITORING

360° customer and transaction visibility.



Mission critical business processes require efficient and reliable technologies.

Scala is a programming language that smoothly integrates features of object-oriented and functional programming, enabling Java and other programmers to be more productive. Moreover Scala is multicore ready and perfectly adapted to parallel programming. Last but not least code sizes are typically reduced by a factor of two to three when compared to an equivalent Java application.

Scala plays an important part for **connectivityfactory™** development and deployment.

Scala accelerates development

Scala, combined with CROSSINGTECH agile development methodology, accelerates bespoke connectors production:

- Development timeframes are dramatically shortened compared to a regular development environment
- Code quality is improved, as Scala detects much more errors while compiling

Scala improves overall performances

What specifically makes Scala so appealing to CROSSING TECH is its ability to efficiently handle concurrent processing. This is key to handle high volumes of composite transactions in real time (milli seconds).

Scala simplifies maintenance

Thanks to its structure, Scala enables developers to remain close to the business logic and avoid various meta blocks. The result is a clear structured code which is easy to maintain. Bespoke connectors benefit from this optimized maintenance.

Scala is “universal”

Scala interoperates with Java and .Net

Existing Java code and programmer skills are fully re-usable. Scala programs run on the Java VM, are byte code compatible with Java so you can make full use of existing Java libraries or existing application code. You can call Scala from Java and you can call Java from Scala, the integration is seamless. Moreover, you will be at home with familiar development tools, Eclipse, NetBeans or IntelliJ for example, all of which support Scala.

Easy access and CROSSINGTECH engineers, integration teams and customers.