

## Flexible, agile, extendable integration

A common business challenge across enterprises of all size is that of integrating disparate systems and data. The integration challenge can be found in multiple areas whether it is on-premise (between applications), in the cloud and between the cloud.

## How Interlok™ can benefit your business



- Common configuration for all components leads to a lower TCO than other solutions with the ability to expose and consume API's to legacy applications with simple configuration.
- Allows real-time data exchange and the ability to extract and store metadata from events in a separate repository. Allowing users the ability to capture and feed big data repositories without development.



- Single configuration repository means simplified change control of the cloud integration landscape – regardless of where runtime is deployed.
- Scalability can be measured linearly and can grow through configuration to meet increased business requirements.
- Supported 24x7x365 and demonstrated to achieve 99.999 availability.



- Ability to mediate slow performing on-premise or reduce the cost of cloud applications which charge per call.
- Modular – additional components can be configured as business requirements change, offering a cost effective integration solutions which is delivered at a pace that matches business need.
- A common deployment model means that the logic can be hosted on-premise or in the cloud or split between multiple deployments.

### Interlok™ Features

- Seamless connection to hundreds of applications, data standards and communications protocols
- Highly scalable both horizontally and vertically
- Ability to cache data to reduce latency of repeated calls to slow or remote back end systems
- Modular design supports standard Enterprise Integration Patterns across any type combination of Interlok™ Now Adapter or Cirrus Hub
- Ability to deploy runtime components into industry standard containers (stand-alone Java, OSGI, J2EE, Sonic Management Framework)

**The key business drivers for integration are the optimization of the business process. In order to deliver an efficient business process applications and data both within the business and throughout the supply chain need to come together.**

The complexity of integration is growing with the move from on-premise applications to cloud based applications, along with the integration of cloud applications from different providers.

The volume of data and the frequency of this data changing is a key issue for businesses of all sizes. Whether it is the order

to cash process or another industry specific process allowing businesses to gain insight into data in motion is becoming a more important factor.

In order to provide a solution that adheres to industry best practice and embed years of integration experience Adaptris created the Interlok™ Framework.

## The Interlok™ Framework

The Adaptris Interlok™ Framework is an event-based framework designed to enable architects to rapidly connect different applications, communications standards and data standards to deliver an integrated solution.

The key design philosophy of the Interlok™ framework is the ability to apply the right amount of integration technology in the appropriate place using common standards. This enables solutions to be supported for their entire lifecycle, which ensure a lower total cost of ownership (TCO).

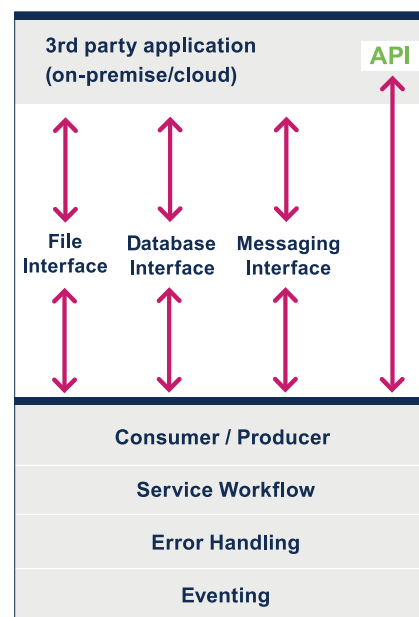
Our core design principal has been federated runtime with a centralized configuration. This means when delivering integration across for example an extended supply chain, it is possible to choose where the components are deployed, and yet retain the ability to centrally control them at runtime.

This runtime philosophy has been designed into the Interlok™ Framework from day one, and rolls up to the Adaptris integration platform. Both offerings are ideally placed to help organizations make the transition to more real-time API's integrating to legacy applications. Both components support flexible licensing options ranging from perpetual to SaaS.

The Interlok™ Framework offers a large number of pre-built utility services out of the box. These include standard Enterprise Integration Patterns such as content-based routing, transformation, splitting and batching along with encryption etc. The key tenant of configuration vs code is one that has been a priority since day one of the Interlok™ Framework.

The design of the framework allows solution architects to configure components together to deliver a working integration solution in minutes. The Interlok™ Framework supports common web data transformation standards such as XSLT and XPATH out of The box.

**This diagram shows some of the different approaches to integration that are included within the Interlok™ Framework**



## Advanced Capabilities

The ability to cache data within the integration layer means that when dealing with slow responding back-end systems or on networks with high latency it is possible to reduce the number of calls. This is also a significant feature when integrating to cloud or SaaS applications that charge on a metered basis.

The Interlok™ Framework also has advanced features such as duplicate detection where it is possible to protect integrated systems from duplicate messages along with sequencing messages across networks.

## Runtime

The Interlok™ Framework is open, and built in pure java. It has multiple run-time options which can also be mixed within an enterprise. It supports standalone java virtual machines, OSGI containers, Sonic Management Containers and J2EE application servers.

Regardless of runtime choice the configuration remains consistent. This allows customers who choose to run the software on-premise the ultimate flexibility to fit in with the operational environment

## Extending the Framework

A key part of the Framework is it allows third-party developers the ability to plug in their own custom components. Once third-party components are tested by the Adaptris certification team, they are able to be fully supported.

## Scalability

At runtime the Interlok™ Framework has been measured as linearly scalable both horizontally and vertically. When performance testing an integration platform it is important to consider a number of factors, including the size of messages along with volume and latency.

## Interlok™ Adapters

300+ applications and technologies connected including:-



Microsoft Dynamics



## Interlok™ in action

Interlok™ has been successfully deployed in a wide range of customer installations across a range of industry sectors including Agriculture Defence, Airlines, Financial Services and Telecommunications.

The cloud hosted solution allows local execution of integration to be centrally monitored and managed, along with the real-time event based tracking which offers complete visibility into the data transactions.

The integration platform also includes web-based solutions for smaller participants in the B2B supply chain to enable them to trade on an even footing with larger competitors.

### Further Information

Find out more about Interlok™ visit [www.adaptris.com/interlok](http://www.adaptris.com/interlok)