



Service Oriented Architecture (SOA)

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A service-oriented architecture is essentially a collection of services that communicate with each other. This involves simple passing of data, or two or more services co-ordinating an activity. A means of connecting services to each other is known as service-oriented architecture.

This kind of arrangement is typically needed by banks, financial service providers or insurance companies that interconnect front-end applications with back-end legacies.

A common problem is software and hardware becoming obsolete and unsupportable. In addition, the cost magnifies as the number of applications interconnected increases.

As more applications are interconnected, an enterprise service bus (ESB) is needed to save cost and avoid implementation complexity, while enabling an organization to integrate applications with flexibility.

Middleware platform based on IBM products

Our solution is a middleware platform based on IBM's MQ, Message Broker and Websphere Application Server products. MQ simplifies and accelerates integration of diverse applications and business data across multiple platforms and serves as a communications channel to front-end applications.

The middleware provisions an ESB to achieve flexibility of application integration, while performing service message routing and transformation, encapsulating any application or legacy-specific constraints.

This solution eliminates the need for implementation work for any newly-integrated application or back-end legacy.

Features and benefits

As an example, 10 existing applications would require 10 separate integration tasks – but our SOA solution would require just one such task.

Our end-to-end implementation service includes:

- Requirement analysis
- Architecture and system design, with resilience if necessary
- Coding (logic revamp)
- Testing
- Production rollout and support
- Maintenance

About PCCW Solutions

PCCW Solutions is a leading IT services company in Hong Kong and mainland China. We adopt the latest technology to help clients create business value and success in the ever-changing economic environment. We offer a wide range of services including digital solutions, IT and business process outsourcing, cloud computing, system development and solutions integration, data centers, hosting and managed services, e-commerce and IoT solutions. PCCW Solutions is committed to meeting customer needs to help them achieve business goals.