

UNIVERSAL SERVICE CONNECTOR (USC)

Reinventing integration

Cloud Connect Sdn Bhd

P: +603-5033 4848

F: +603-5033 4848

E: sales@cloud-connect.asia

W: www.cloud-connect.asia

Enabling Digital Transformation

The IT world is moving forward fast. The digital transformation changes existing organization business models. Cloud services, mobile devices, and the Internet of Things establish new architectures through different departments and lines of business. Several different concepts, technologies, and deployment options are used. A single integration backbone is not sufficient anymore in this era of integration.

According to a [Gartner](#) report, 8.4 billion connected “things” will be in use in 2017, representing a 31% increase from 2016 – and every one of these IoT devices is going to need to collect, process, and transmit data in order to be effective.

Business & technical requirements

Current systems at most organization are extremely complex. They operate in a mixed environment of internal and external systems, with a variety of business models that make the design, implementation and operation of dispersed systems both difficult and expensive. Information technology for organization has developed around independent entities and functions that are not coordinated.

Application developers, independent software vendors, and internal departments have invested in information technology to enable information access, yet each entity tends to implement its own processes, delivery channels, controlling information flow and access. Many of the solutions deal with complexity by limiting their scope, requiring use of rigid, pre-determined business processes and struggling to offer even minimal user-friendliness.

The result is a collection of isolated islands of automation, using disparate technical platform and standards that make it extremely difficult to assess the right information at the right time. Significant prior investments keep organization entities working within the restrictions of their legacy technology. These limitations must be overcome for management, employees, partners and others to embrace solutions that have the potential to transform organization system and information delivery.

Key Challenges

In summary, the following are some of the common key challenges:

Technology Standards

- Dependencies of legacy technology
- Lack of technological enhancements
- New modern technology – cloud native, container, hybrid cloud, microservices
- Unclear vendor future roadmap and technology enhancement.

Maintenance & Support

- Limited of support & maintainability provided by principle vendors
- Complexity to resolve systems issues and enhancements
- Performance issues during peak period
- Business rules tightly integrated to core systems.

System Manageability

- Backdated development standards & methodologies
- Discourages enhancement & improvements
- Documentations are scarce and occasionally not available.

System Disparity

- Systems function in silos.
- Data integration between systems is partly point-to-point.
- Lack accountability & ownership of business process.
- Hundreds of disparate systems.

Seeking for solutions

In order to stay competitive while faced with the above challenges, organization is seeking new ways to address these issues. There is a strong need to introduce new modern platform that can integrate the data from various internal back-end systems, process it accordingly based on the business process required, and in a secure manner.

Our Solution

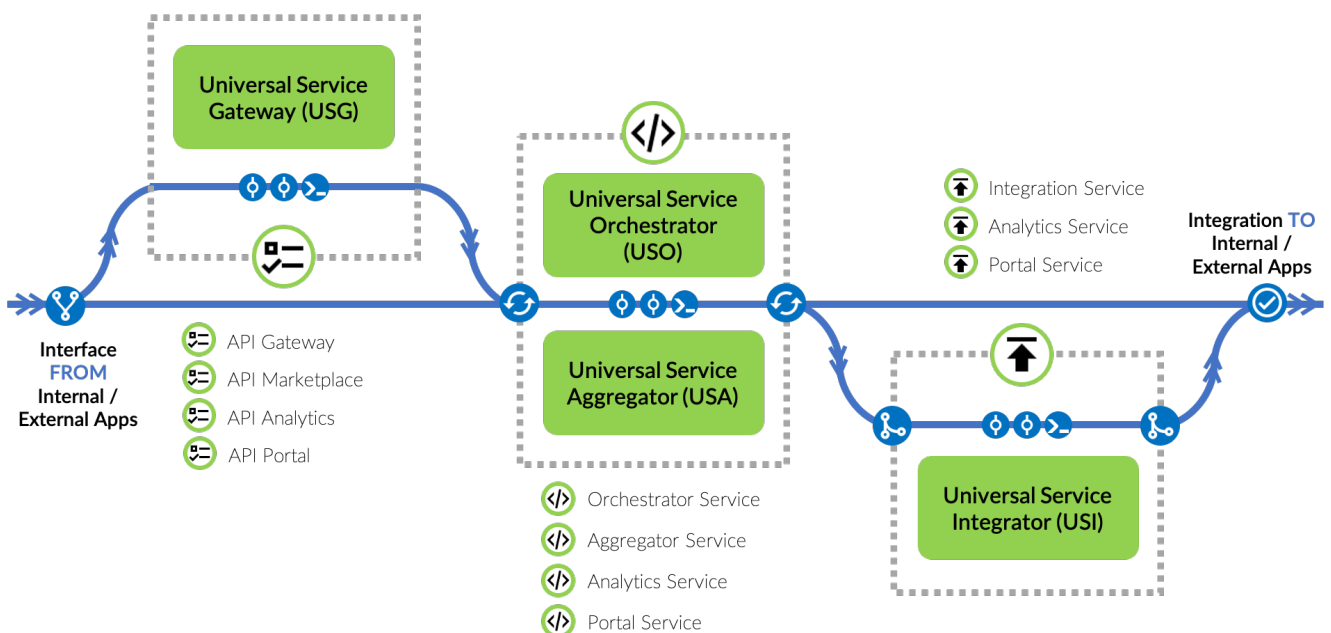
A Realtime API Platform



A more innovative application delivery architecture is needed to bridge the gap between legacy infrastructure and the fast-changing world of Cloud and mobile.

CloudConnect solution – **Universal Service Connector (USC)** is based on the new modern application delivery architecture known as a **Realtime API Platform**. This platform is the next evolution of Service Oriented Architecture (SOA) and Enterprise Service Bus (ESB) but extended beyond the enterprise with web-centric, cloud-native, container infrastructure and microservices architecture.

USC is developed based-on **API-First strategy**. An API-first strategy means that for any given development project, your APIs are treated as **"first-class citizens"**.



Benefits



Bridging Digital Transformation

USC is a stepping stone towards Digital Transformation Strategy.



Standardization

USC presents a vehicle to help standardize organization back-end system interface and integration.



Faster Go To Market

USC supports an aggressive yet achievable agile implementation.



Leverage Current Investment

USC enables new services by leveraging the existing and modern infrastructure.

USC Platform

Universal Service Gateway - USG



USG is an API Gateway for any application to interface to USC. USG comprises of developer, partner and system portals; Analytics for API insights; Marketplace for API repository which bridges the gap between API consumers and API providers.

Universal Service Orchestrator - USO



USO is an API Management service to orchestrate the USC communication and interface. USO comprises of Orchestrator Service, Analytics service for business insights and Portal service.

Universal Service Aggregator - USA



USA is an API Management service to aggregate APIs. USA comprises of Aggregation Service, Analytics service for business insights and Portal service.

Universal Service Integrator - USI



USI provides and integration service for USC platform. USI can integrate to any new and legacy applications using modern technology.

About Us

Established in 2009, Cloud Connect Sdn Bhd takes cloud computing to the next level with our unique and proven solutions that unifies cloud computing, big data, security, service provisioning/ orchestration, artificial intelligence, microservices, modern infrastructure and mobile technology. It is used by hundred thousands of the government users, service provider and leading courier delivery services company because of its proven ability to deliver quickly, easily and inexpensively than any other solution.

CloudConnect has demonstrated to the customers that no matter how big or small they may be, and no matter what part of the world they are in, we are the partner they can rely on day after day.

Please visit www.cloud-connect.asia for more information.



CloudConnect Asia
B2-17-2, Space U8 Eco Mall, Bukit Jelutong,
40150 Shah Alam, Selangor, Malaysia.



Tel: +603-5033 4848
Fax: +603-5033 4848



sales@cloud-connect.asia



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