WebOTX
ESB / Salesforce Integration Solution

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NEC Corporation,
Cloud Platform Division,
WebOTX Group
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1. Back-end integration platform WebOTX ESB
What is Enterprise Service Bus (ESB)?

- Technology and middleware for application integration
- Integration method based on message exchange of SOA
- Standard communication protocols such as HTTP, SOAP, JMS
- Synchronous / asynchronous integration by message routing / transform
- Loose coupling without affecting integrated application
What is WebOTX Enterprise Service Bus (WebOTX ESB)?

- Highly performed system & data integration platform with high reliability and open system.
- Enables secure integration of any system and resource, from existing legacy assets to latest cloud service.
- Realizes complicated routing control and data transform without programming.
2. WebOTX ESB Salesforce integration
Realizes seamless real time data integration between existing system and Salesforce.

- Same data can be shared between existing system and Salesforce in real time. Prevents data unconformity.

- No coding required for Salesforce

- Connection keep
- Login requirement
- Session ID
- Encrypted communication
- Data input / deletion
- Data search

Salesforce (Force.com)

Mainframe
- Sales management system

ERP
- Accounting system

Open system
- Web service interface
- SCM system

High performance
High reliability
Flexibility
Operability
Productivity
Others

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By graphical setting, search and I/O operation to Force.com can be realized without coding.

Encryption communication and connection management can not be created for Salesforce integration.

Allocates Salesforce connection component by drag & drop from palette

[Developer ]

Put the line between components and decide where to send message

Code example required to create

```java
// Force.com login to the platform
LoginResult loginResult = stub.login(Setting.USER_NAME,
    Setting.PASSWORD);
// Register SessionID issued during login in Stub
stub._setProperty(SoapBindingStub.ENDPOINT_ADDRESS_PROPERTY,
    loginResult.getServerUrl());
SessionHeader sh = new SessionHeader();
sh.setSessionId(loginResult.getSessionId());
stub.setHeader(new SforceServiceLocator().getServiceName()
    .getNamespaceURI(), "SessionHeader", sh);
// Obtains unfinished task list
QueryResult queryResult = stub.query("SELECT id,
    subject FROM Task WHERE status<>'Completed'
    AND ownerId=" + loginResult.getUserId());
```
Challenges in company using cloud

- Data mismatch between cloud and on-premise (internal conventional system).
- Requirement for seeing on-premise information (order, delivery, payment information, etc) from Salesforce side.
- Requirement for data synchronization in real time.
- Business process between mission critical system (such as ERP / ACOS etc) and CRM (Salesforce) is not integrated.

Configuration without ESB

Salesforce (Force.com)

On-premises

Needs lots of time and cost for developing integration application individually.

Application required for Salesforce integration
Solution with WebOTX ESB

- Seamless integration of cloud and on-premise by enabling real-time integration.
- Development/operation cost reduction and scalability by gathering integration feature.

Configuration with ESB

ESB provides platform function

Integration with Salesforce by easy setting!!
3. Examples
BEFORE: Order management system and Salesforce

Challenge

Existing received order management system can not be integrated with Salesforce order management.

- Registers received information

- Required to register order information twice.
- Required to log in existing system to confirm the shipment schedule.
Existing received order management system integration with Salesforce

**Challenge**

Enables to configure received order system while using existing mission critical system

- Registers received order information
- Confirms shipment schedule

![Diagram](image)
Thank You

Application Service Platform for the age of cloud-computing

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