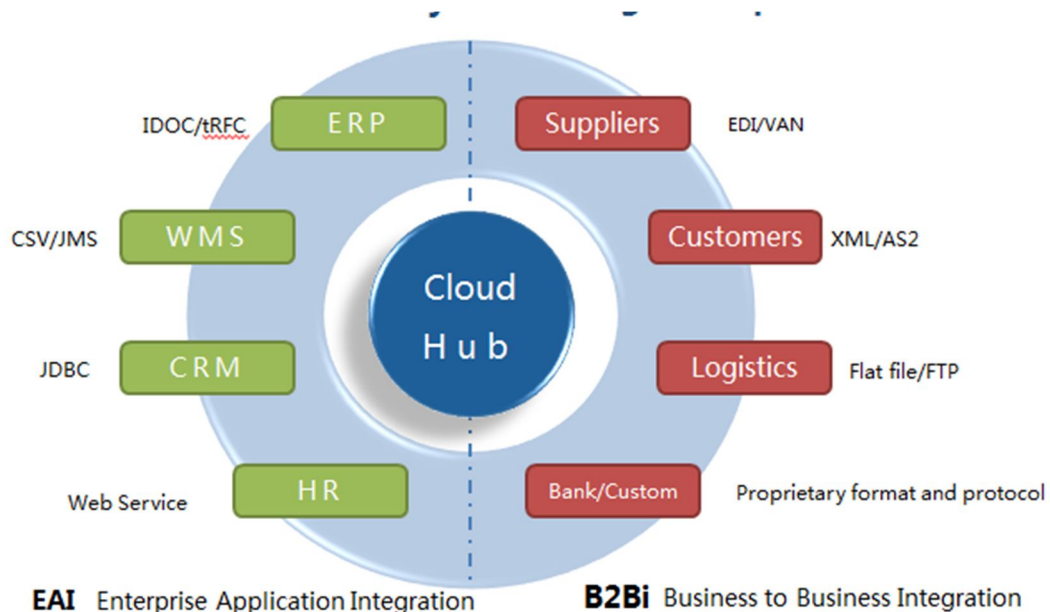


Cloud Hub white book

Overview

Cloud Hub is a professional data integration platform which covers EAI and B2Bi requirement.

- ♦ EAI (Enterprise Application Integration) Integrate enterprise internal systems, such as ERP, WMS, CRM, etc.;
- ♦ B2Bi (Business to Business Integration) Supply chain integration



Cloud Hub integrates internal systems and external systems through adapter technology. And process orchestration is used to handle complex data flow.

System components

The system includes four major components: Cloud Hub runtime, adapter development SDK, Mapping Studio and Admin Console.

Cloud Hub runtime

It is a background program to handle all the runtime tasks such as adapter runtime, message routing, and process execution. In windows it can be installed as a Windows service.

Adapter development SDK

The SDK is used to develop customized adapter.

Mapping Studio

It is a standard Eclipse plugin to enable Eclipse supports data mapping. A graphic UI is provided to

create data structure and build mapping. The compiled mapping is a standard Java .jar file which can be deployed to Cloud Hub runtime or any Java project.

Admin Console

It is a web UI for system management and system monitoring.

Standard adapter list

Adapter	Description
Mapping	Mapping runtime , the mapping is developed by Mapping Studio
File	Local file system read(polling) and write
FTP	FTP download (polling) and upload
SFTP	SFTP(SSH) download (polling) and upload
HTTP	HTTP support
Email	SMTP(send) POP3,IMAP(receive, polling)
JMS	JMS polling, listening and send, both queue and topic are supported
Database	Database polling and writing, any database with JDBC is supported
Script	Create simple adapter with mvel or groovy script
Direct process	Call process directly through HTTP protocol
AS2	Fully support Applicability Statement 2 protocol
SAP iDoc	Bi-direction exchange iDoc with SAP system
Web service	Call Web service
OFTP2	Odette File Transfer 2.0
Taobao	Build based on taobao open API

Mapping supported format

Cloud Hub supports any to any format mapping below.

Format	Description
XML	XML
JSON	JSON
CSV	Delimiter separated file
Flat file	Fixed length file
JDBC database	Database operations: select, insert, update, delete, with graphic UI
JSON	JSON
ANSI X12	ANSI X12
EDIFACT	EDIFACT

Features

A reliable platform

- With proper checkpoint configuration, no message is lost in any critical situations, such as accidently power interruption.
- Automatically status recovery after restart
- Automatically retry in case of failure
- High priority message can be processed first by channel mechanism
- Build in stable communication protocol

An open platform

- Many standard adapters are already offered
- Customized adapter can easily be developed

A business monitoring platform

- Real time process monitor
- Task dispatching monitor
- Dynamic traffic monitor
- Traffic analysis and optimize
- Alert

A fast-implementation platform

- Web based process orchestration with zero coding
- Script is supported to enable powerful data handing possibility
- Easy to use Mapping tool supports popular data format mapping
- Rich adapter ready
- 100% based on Java technology to reduce the learning curve.

Contact

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