

Realizing an Innovative IT Environment for the Digital Transformation Era

TMAXSOFT

TmaxSoft Co., Ltd.

HQ: TmaxTower 8-9F, 29, Hwangsaeul-ro 258 beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea 13595

R&D Center: TmaxTower 45, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea 13613

Education Center: TmaxTower 2F, 29, Hwangsaeul-ro 258 beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea 13595

Customer Support: +82-31-8018-1111 **Technical Support:** +82-1544-8629

Website: kr.tmaxsoft.com **Email:** soft_mkt@tmax.co.kr

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Based on 26 years of accumulated expertise, we provide integrated solutions and specialized services optimized for various system software and cloud environments.



Established in 1997

Korea's leading system software company



No.1

JEUS, No.1 market share in Korea and world's first to acquire technical standard certification



4,000+

Total number of customers (Korea)



Overseas Status

We are expanding into the global market with more than 595 global customers and 336 partners.

Global References



595+
Global Customers

Global Partners

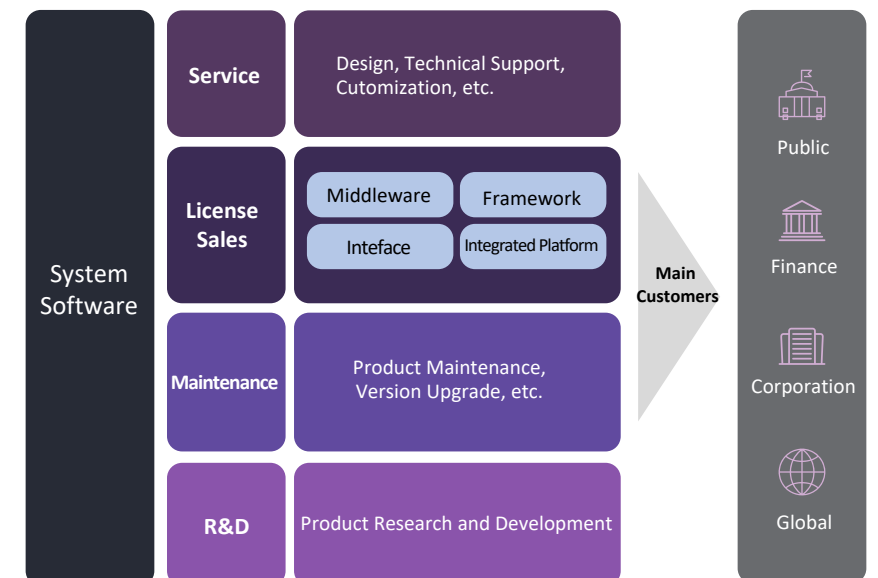


336+
Global Partners

Business Area

All IT systems and application environments require system software such as middleware, framework, and interface.

TmaxSoft supports digitization of business environments and cloud-based digital transformation based on its business experience and product competitiveness in the fields of system, open source and commercial software. As a leader in the system software industry, TmaxSoft is expanding its business globally.



Product Line-up

We provide various middleware solutions, including WAS, web server, framework, and mainframe modernization solution, based on strong middleware technology that has contributed to our long-standing No.1 position in the Korean market share.

Middleware

JEUS Web application server capable of developing and operating applications in web environments. It is TmaxSoft's flagship middleware product, maintaining its position as no.1 solution in the Korean WAS market.

WebtoB Next-generation web server that innovatively resolved the structural problems of existing web servers and provides superior performance and stability.

Tmax TP-Monitor distributes loads and ensures transaction processing between heterogeneous computers in a distributed system environment. Additionally, it takes appropriate actions in the event of errors.

Mainframe Modernization

OpenFrame Mainframe modernization solution that supports legacy IT asset diagnosis, analysis and automated migration for shifting to a cloud-native environment.

Interface Framework

AnyLink Integrated Interface Solution that applied a cloud-based architecture and provides massive scalability and high availability.

Database Solution

Tmax Tibero RDBMS that provides high compatibility with Oracle, outstanding cost performance, and Active/Active clustering equivalent to Oracle RAC (Real Application Cluster).

Business Performance

We achieved a rapid migration of the bond agreement processing system to an open environment by rehosting process with OpenFrame.

NOMURA

OpenFrame
(Rehosting Solution)

Precise migration technology
Significant reduction in TCO compared to mainframe usage



With OpenFrame, we implemented rehosting from mainframe to open systems in just 10 months, enhancing the utilization of information in a cloud environment.

- Mainframe applications are essential and cannot be replaced.
- Adopted rehosting that does not require program modifications.
- Realized rehosting in a short period of time through OpenFrame's outstanding capability of processing Japanese.
- Enhanced integration with modern systems through migration to open systems and the cloud.

AICHI

OpenFrame

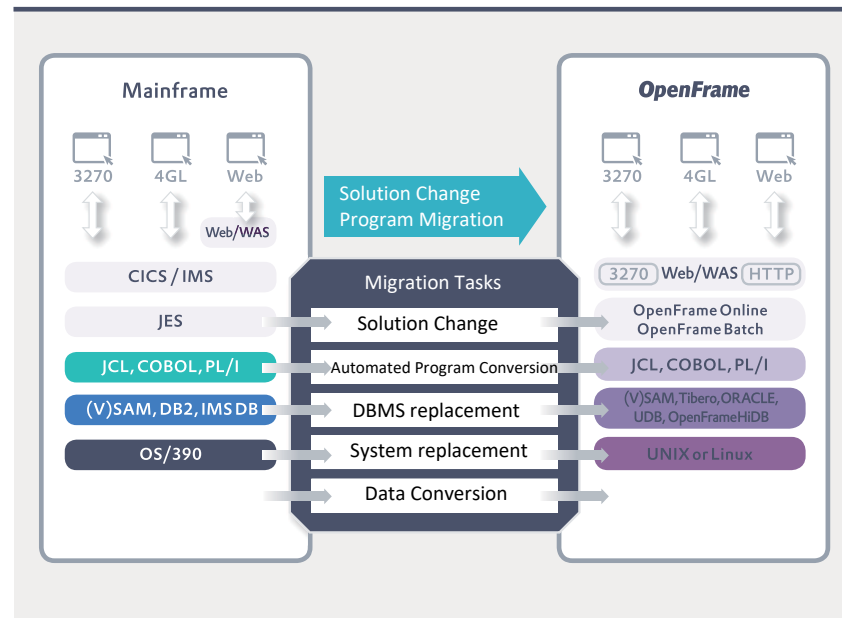
A Mainframe Rehosting Solution

-  Migrates mainframe programs to an open system without changing the source code.
-  Provides an automated migration compiler and resource management environment.

Overview

What is OpenFrame 7?

OpenFrame is a rehosting solution that migrates the existing mainframe programs to a reliable, high-performance open system without modifying the source code. It provides an optimal open system environment at minimal cost through a future-oriented standard architecture, automated migration, compiler, and integrated resource management environment.

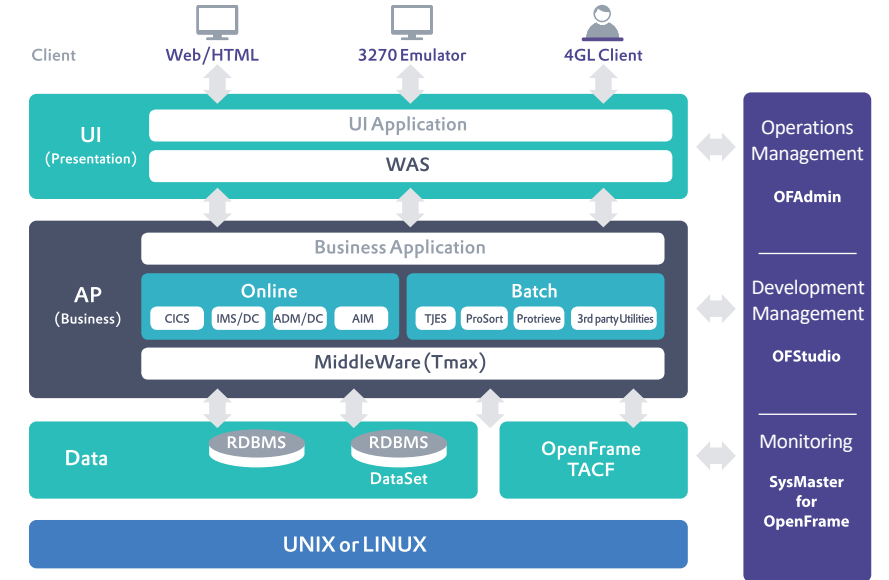


[OpenFrame 7 Architecture]

Key Features





Architecture

Provides high performance, reliability, scalability, and flexibility based on a future-oriented standard 3-tier architecture.



OpenFrame Online

OpenFrame Online architecture separates the user interface from the application to provide maximum scalability, and the online engine based on TP-Monitor (Tmax) supports a variety of mainframe middleware. Supporting application interfaces and runtime resources, it enables CICS/IMS programs to run on Unix systems without modifications and provides relevant management commands and tools for operation.

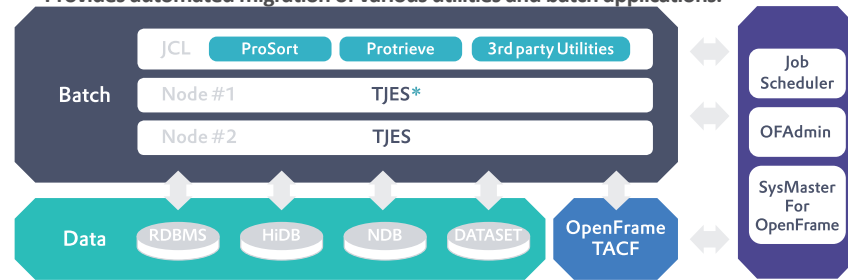
-  **Distributed Transaction Processing**
 - Provides distributed transaction processing for heterogeneous databases.
 - Offers transaction recovery functionality.
 - Provides transaction tracking functionality through GUI.
-  **High Availability**
 - Supports optimal usage of system resources with load balancing functionality.
 - Minimizes system downtime through distributed clustering.
 - Real-time fault recovery and failover
-  **CICS/IMS Runtime Environment**
 - Supports various APIs.
 - Provides runtime resources such as TSQ, TDQ, SPA, etc.
 - Offers user interfaces such as BMS, MFS, and PSAM.
 - Supports terminals such as TN3270 and the web.
-  **Business Scalability**
 - Supports bidirectional integration in WAS.
 - Connects to external systems through MCI.
 - Supports a client/server environment.

Key Features

Batch (OpenFrame Batch)

To ensure the reliability of batch jobs and perform large-scale batch processing, OpenFrame Batch provides robust management tools. Additionally, it offers utilities used in mainframe environments.

- By adopting an architecture equivalent to the JES function of the mainframe, it allows you to use the existing JCL without any modification.
- Supports an environment to process JCL and jobs used in each system (IBM MVS, Fujitsu XSP and MSP, and Hitachi VOS).
- Manages resources related to tasks and jobs by utilizing OpenFrame's TJES.
- Supports the execution of business logic and CLIST language through TSO communication.
- Provides automated migration of various utilities and batch applications.



*TJES : Tmax Job Entry Subsystem

Security (OpenFrame TACF)

Offers user authentication, permissions management and resource access management for an optimal security environment.

TSAM

TSAM emulates VSAM, which is commonly used in various mainframe environments. This is a data set processing method that enables applications developed in legacy environments to run seamlessly in a high-performance and open system without modification.

HiDB

HiDB emulates IBM mainframe's IMS/DB and Hitachi mainframe's ADM/DB. By providing a DL/I interface, it allows applications developed in existing environments to run on a rehosting environment without modification. This high-performance, reliable, and typical hierarchical database supports various types of layers.

Key Features

NDB

NDB emulates AIM/DB in the Fujitsu mainframe environment. It perfectly implements the logical and physical structure of the existing high-performance and reliable AIM/DB. Through support for Data Manipulation Language (DML), it allows applications to run in a rehosting environment without modifications.

Operations Management (OFAdmin)

OFAdmin provides an environment where users can efficiently operate and monitor applications through a powerful graphical user interface. Users can access the modern, user-friendly OFAdmin through a web browser without installing a client software.

Development Management (OFStudio)

OFStudio, a GUI-based integrated development tool, offers an efficient application development environment with a user-friendly interface. Developers can efficiently maintain and manage migrated JCL, COBOL, and PL/I applications.

Compiler

OpenFrame compiler, a conversion tool developed with TmaxSoft's proprietary technology, allows mainframe programs written in COBOL, PL/I, and assembly language to be used on open systems. It compiles the source code without modification, minimizing potential issues caused by differences between the mainframe and open system environments.

Utilities

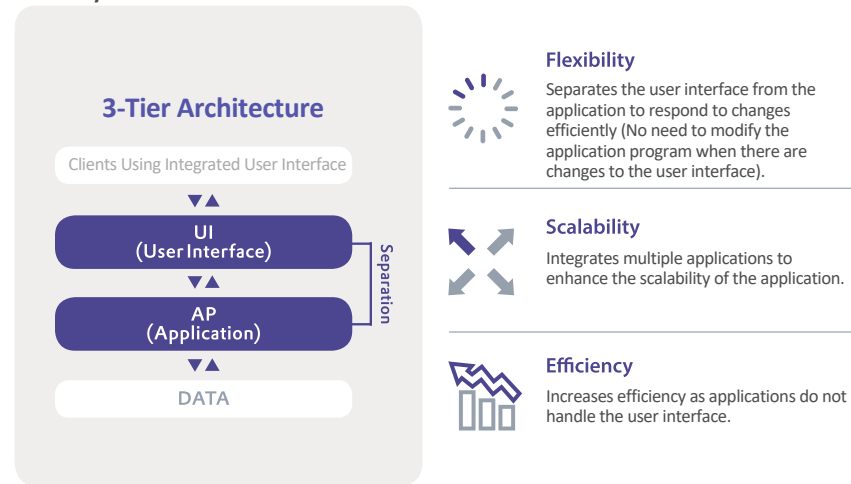
OpenFrame provides utilities that enable various mainframe applications and third-party software to operate on an open system environment.

ProSort	Supports sorting, merging, and processing of large files and data sets in mainframe batch jobs. It is compatible with DFSORT, which uses different syntax compared to other products. This compatibility allows SORT scripts written on existing mainframes to be used in an open system environment without modification.
Protrieve	Offers the features of Easytrieve Plus, which is a reporting utility commonly used on mainframes, in an open system environment. It offers a variety of statistical features for data sets and DB2 data without modifying scripts written for Easytrieve.
Data Set Utilities	Provides mainframe's native data set utilities such as IDCAMS, ICEGENER, IEBCOPY, IEBGENER, IEBEDIT, IEHPROGM, and DSNUTILB in an open system environment.
Other Utilities	Provides the functionality of FTP, IEBDG, SDSF, ISRSUPC, DSNTIAD, DSNUTILB, and IKJEFT01 in an open system environment.

Benefits

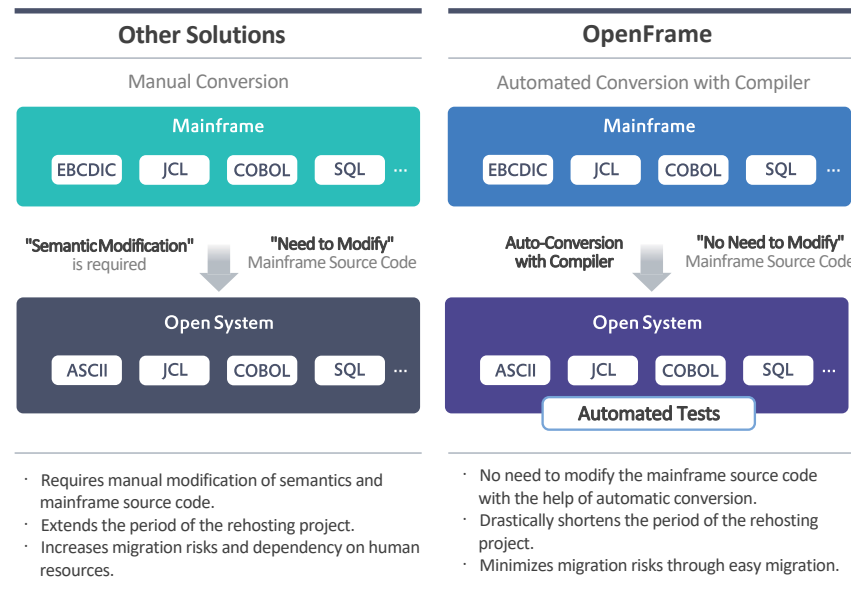
Future-Oriented Standard Architecture

Built on the future-oriented standard three-tier architecture to create an open system environment that provides high performance, reliability, scalability, and flexibility.



Automated Conversion

Provides advanced compiler technology that performs automated conversion and enables a reliable migration to an open system environment at minimal cost.



Benefits

Compilers

Converts mainframe programs written in COBOL or PL/I. Additionally, the world's only assembler compiler resolves various migration issues in a timely manner and maximizes the reusability of application source code.

Application Type	Migration Issues	OpenFrame Compilers
Assembler	No available compilers → All source code must be redeveloped.	Assembler Compiler, OFASM Automatic conversion with compiler.(No need to redevelop assembler code)
COBOL	Oligopolistic compiler market → Dependent on high-cost legacy compilers.	COBOL Compiler, OFCOBOL Supports various standards. (COBOL85, IBM Extension Language Elements)
PL/I	Low-level compiler functionality → Limited support for automatic migration.	PL/I Compiler, OFPLI Supports all PL/I language specifications.

Integrated Resource Management Environment

OFMiner offers easier management of resources in the migration process. It enables mainframe resources to be migrated to a more reliable open system without modifying the source code.

