Mainframe Integrator Suite

Data Mapper

Direct access to legacy SOA & business logic to develop Java applications

KEY BENEFITS

No change in the source code

No component to install on the mainframe

Automated documentation with screenshots

Fast transformation in a few hours

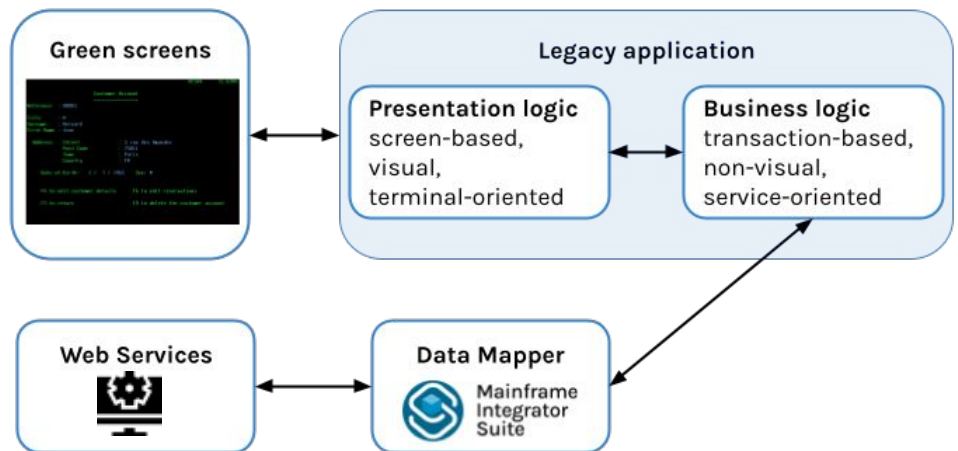Continuous integration thanks to APIs for automated RPA testing

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Mainframe Integrator Suite's Data Mapper is part of the IDE Enterprise Studio. It provides connection to the non-visual, non screen-based legacy Service-Oriented Applications (SOA) and business logic.

Generate a Service Object for each transaction you need to reproduce and integrate it to your 3rd party apps (CRM, SRM, ERP) and Web Services.

Thanks to a smart mapping of rules written in COBOL, developers bypass the legacy code review to retrieve the required data and combine it in new Java web applications.

Technical features	
midrange and mainframe OS	IBM i (AS/400, iSeries, System i) with CICS connector , IBM z/OS
workstation OS	Windows, Unix, Linux
legacy source code	COBOL, RPG
programming languages	Java
connectors	IMS, CICS

Mainframe Integrator Suite's Data Mapper architecture

When presentation and business logic are separated, you can use MIS Data Mapper to create Java components that directly interact with the business logic of the legacy application.

Mainframe Integrator Suite is listed in IBM Global Solution Directory

metrixware SYSTEMOBJECTS

More information on technical features, Web Services & demos available on the Mainframe Integrator Suite website

Visit MIS website 🔍

How does Data Mapper actually connect SOAs and Web Services?

Data Mapper produces stand-alone and standard **Java components** from the **COBOL description in the Commarea** CICS (via the CTG) or the MID / MOD IMS (via IMS Connect) corresponding to a serviced application.

With Data Mapper, you can:
✔ import / adapt COBOL records
✔ develop / adapt services
✔ test the services via CTG (or IMS Connect)
✔ generate Beans Services / Records Beans In-Out

Mainframe SOAs are strictly transaction-based, meaning they:
✔ accept input for an atomic process
✔ apply the process to the data
✔ send back the results to the connected application

Emulating this transaction process, Data Mapper generates:
✔ **Data Components** that manage data exchange with the SOA
✔ **Service Objects**: made up of Data Components, they act as transactions in the SOA.

You can then deploy these Service Objects as Web Services in the target environment, where they connect to the SOA and perform transactions.
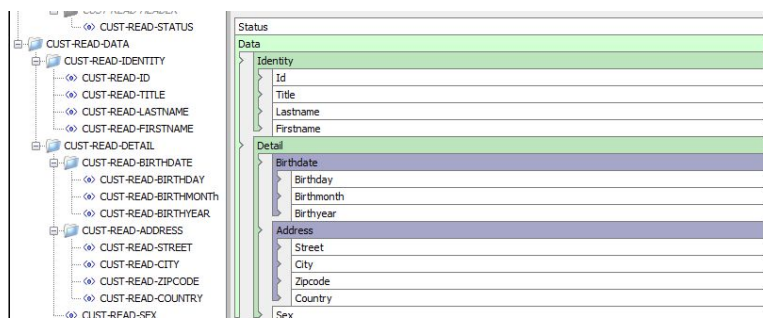
```
*.
* This is the COMMAREA for the VsVoyage 'CUSTREAD' service..
* This service takes a customer id as an input, and returns the.
* corresponding customer entry (if it exists). There is a nolock.
* read (OPERATION='R') and a lock read (OPERATION='RE'). Lock read.
* should be perform before updating or deleting an entry..
*.
 01  CUST-READ-RECORD..
     05 CUST-READ-INPUT-HEADER..
```

COBOL record from COMMAREA

Mapping Output

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Since 1991, we have been developing modernization solutions to improve the connectivity of your critical business applications and the productivity of your programming tools. Trusted around the world by major players in the bank, insurance, industries, IT and public services, we aim to offer a quick and smooth bridge between your legacy infrastructures and latest IT trends, making software developments easier for your teams.