NTT DATA
Services

Migrate Business-Critical Legacy Systems to Modern, Agile Platforms

Portfolio Assessment and Re-Architecture Solution by NTT DATA

Benefits:

- Implement strategic growth
- Reduce operational costs
- Restore business agility
- Legacy language experience: COBOL, RPG, PL1, Natural, VB, Mumps, MAPPER, Assembler and more
- Industries served:
  - Local, state and provincial governments
  - Manufacturing
  - Retail and commercial
  - Financial services
  - Healthcare and life sciences

The legacy challenge facing business today

Most organizations are trying to do more with less. But in a resource constrained environment, that is becoming increasingly difficult. That is why the need for application portfolio modernization has never been greater.

IT execs can no longer afford to spend the bulk of their budgets on simply supporting and maintaining legacy applications. They need to innovate, but that can't happen if all their resources are supporting legacy systems that no longer provide a competitive edge.

What is application re-architecture?

Re-architecture is an approach to application modernization that leverages existing business logic, data and application usage to fully exploit modern technologies. Application re-architecture can result in an agile infrastructure and produce highly maintainable code with fewer lines than the legacy technology.

Enable modernization success with NTT DATA Services

The NTT DATA Portfolio Assessment and Re-Architecture Solution can modernize legacy applications from costly and rigid mainframes to agile environments. It doesn't just modernize the code, it also migrates the data —assuring that all of the capabilities your organization depends on remain intact and complete. It drastically decreases the amount of code by streamlining and re-architecting legacy functionality into a service-oriented, cloud-ready and extensible application. It can deliver a better quality outcome than custom development.

Portfolio Assessment and Re-Architecture Solution by NTT DATA

How does it work?

Our Portfolio Assessment and Re-Architecture Solution includes a suite of tools that automate the tasks critical to your application modernization journey:

- **Requirements and collaboration:** ensure that, during any stage of the project, all information is up to date and available to all your stakeholders. Assets are tracked, changes are captured and revision and sign-off happen right in the tool.
- **Business analysis:** contains advanced features such as video annotation of real-world application use, as well as modeling of business processes, capabilities and use cases with links to the enabling programs to capture a complete picture of how users interact with an application.
- **Code analysis:** parses and analyzes the source code using pattern recognition, identifies duplicate code blocks through fuzzy matching and calculates the interdependencies between all of its components.
- **Data analysis:** extracts a rich legacy domain model from the data schemas, data records and related source code.
- **Enhancement design:** analyzes and describes the software enhancements that will be incorporated in the new design and identifies the assets that will be impacted.
- **Application design:** models several key design elements and allows end-users to review models of the modernized functionality before implementation.
- **Data migration:** migrates data based on the domain model mapping between legacy and target, reporting on any discrepancies and producing a modernized database.
- **Code generation:** jump-starts the implementation process by produces full, functional code components based on model elements. It's fully extensible to match the needed architectural and implementation patterns.

Do you need to modernize business-critical legacy systems? Choose NTT DATA to ensure high-quality outcomes across the entire modernization journey. We can help you enable strategic growth, reduce operational costs and restore business agility.

NTT DATA Repository

The Repository provides an environment for managing requirements and assets.
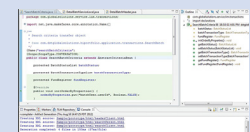
NTT DATA Analyzer

The Analyzer allows users to discover the relationships between their assets: data sets, application code and business assets.
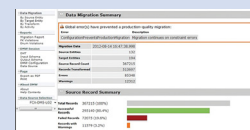
NTT DATA Designer

The Designer enables the creation of desired domain models for data and logic and creates interface models that describe and display how a user interacts with the application.

NTT DATA Code Generator

The Code Generator utilizes the Designer models to produce high quality customizable code.

NTT DATA Data Workbench

The Data Workbench allows for the design and frequent migration of data throughout the project.

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