



Largest Financial Services Company in APAC chooses ValueSoft to migrate it's loan processing application from VB6.0 technology stack to dot NET technology stack

“ValueSoft successfully migrated 1.66 Million lines of code from VB6.0 platform to dot NET platform within a record time and with zero application downtime”.

**INDUSTRY**  
Financial services

### ABOUT CLIENT

Client is one of the largest provider of financial services in APAC region with revenues of more than \$100 Billion.

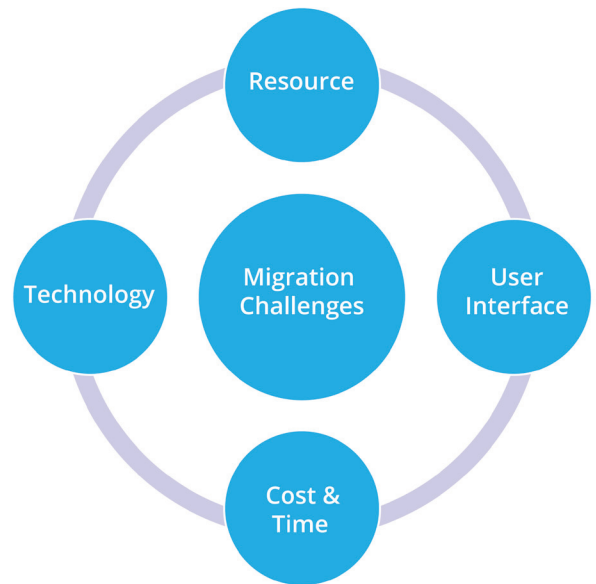
### PAIN POINTS

Client was using Visual Basic 6.0 based software for loan processing. As the business grew and more features were added to application, the user experience became poor because of system performance issues. Frequent breakdowns resulted in high maintenance cost and significant downtime. To improve application usability and scalability, client decided to modernize the application to well supported dot NET platform. Client was looking to achieve faster user experience, reduced support cost and ease of integration to other 3rd party applications with this initiative.

### PLATFORM MIGRATION CHALLENGES

#### Older Technology Usage

Following VB6 platform feature usage caused significant migration challenges



to dot NET platform

- Usage of Windows APIs
- Usage of Third party components for UI
- Usage of VB Objects, Lang and Forms features
- Usage of Data Access Objects and Remote Data Objects
- Usage of COM/COM+

#### Similar User Interface

- Ensuring similar User Interface before and after migration

**BUSINESS NEED**

Faster user experience

lower support cost

integration with other applications

future ready

- Refactoring for rich user experience after migration.

**Resource Availability**

- Difficulty in getting resources with VB & dot NET skills for manual migration.

**Cost and Time**

- Understanding the application due to poor documentation
- Re-engineering and re-coding the whole application

**VENDOR SELECTION**

Client decided to migrate 1.6 Million lines of code from VB6 to dot NET. Client evaluated Microsoft Visual Basic Upgrade Wizard and VB upgrade tool kits by Microsoft Application Modernization Partners along with ValueSoft's App

Modernization Studio . ValueSoft Application Modernization Studio IP and its 10 years of experience in migrating Microsoft technology stack won the deal.

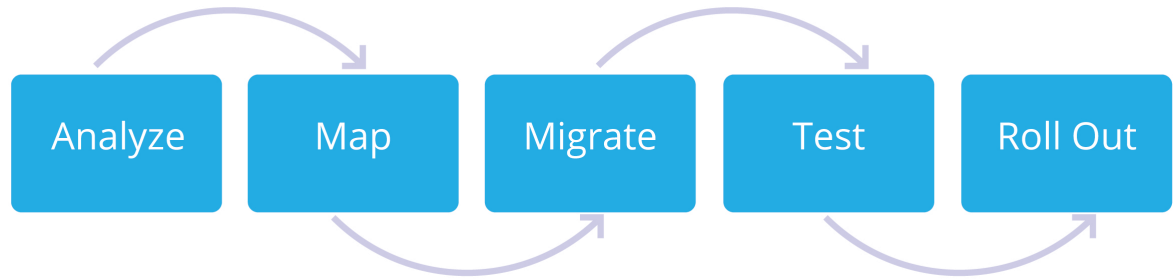
ATTRIBUTES	MICROSOFT'S MIGRATION ASSISTANT	BEST COMPETITOR TOOL	VALUESOFT'S MODERNIZATION STUDIO
Migrate VB 6 to VB.NET/C#	VB.NET only	Both	<b>Both</b>
Migrate legacy data access to .NET equivalents	No	Yes	<b>Yes</b>
Structured error handling	No	Yes	<b>Yes</b>
Code refactoring and migration to appropriate .NET equivalents	No	No	<b>Yes</b>
Support custom mappings to enable extensibility	No	Partial	<b>Yes</b>
Support for multi project conversion	No	Yes	<b>Yes</b>
% of Code Migrated	25 to 30%	40 to 50%	<b>60 to 70%</b>

**VALUESOFT SOLUTION**

Microsoft Platform Migration Solution with Modernization Studio IP.

**VALUESOFT PLATFORM MIGRATION SOLUTION**

ValueSoft's 10 years of experience, migration process expertise and Modernization Studio IP helped it to migrate a large loan processing application to dot NET platform in record time. The migration was completed in five phases:



## TECHNOLOGIES

VB6.0, dot NET

### Analysis Phase

In this phase we analyzed original specifications like SRS, design documents and test case documents. Third party controls to the applications were listed out. Information about usage issues and performance issues were collected from the users.

### Mapping Phase

In this phase a Gap Analysis of the application was done and a migration strategy was developed for code modification, testing and checklist based review. Based on the analysis we customized our Modernization Studio tool for maximum auto code conversion.

### Migration Phase

For migrating 1.66 Million lines of code we formed a team of one Project Manager, a Team Lead, four Software Engineers and two Quality Analysts.

The team migrated VB code to VB.NET code and performed gap analysis. The Microsoft standard was maintained throughout the code migration process and comments were embedded in the code. The comments included suggestions and issues related to migration. The codes were kept in the source control program for back up and versioning.

### Testing Phase

In this phase we performed following tests

- Test Cases for Modules, Screens and Fields
- Functionality Testing
- Version Testing
- Bug Entry & Revoke Bugs
- Application Integration Testing
- Application Security Testing

### Roll Out

In this phase following actions were done

- Installation
- User Training
- Maintenance Support

**CLIENT  
OUTCOME**  
1.66 Million  
lines of code  
migrated  
within a record  
time.

## BUSINESS BENEFITS

- Zero downtime during the a migration process.
- Increased application performance to beat user expectation.
- Client saved 30% of the cost due to ValueSoft code migration IP.
- Completed the migration in 40% of the time quoted by nearest competitor.
- The application is future ready.