Artinsoft Consulting Services

Vertex Supervisor

Ready Summary and Agreements

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Ready Summary

Summary

Current Application

- Code Statistics:

Project	Total Lines	Design Lines	Code Lines	Comment Lines	Blank Lines
MSGOCX	9,671	542	6,391	1,244	1,494
OSGInterfaces	386	16	134	160	76
Security	778	24	291	290	173
SecurityMgt	69	8	24	24	13
Supervisor	220,173	41,993	115,028	27,627	35,525
Total	**231,077**	**42,583**	**121,868**	**29,345**	**37,281**

- Statistics consider all the code delivered for analysis except the files:

    - Super\Classes\RegistryAssist.cls from Supervisor.vbp

    - MSGOCX\Classes\RegistryAssist.cls from MSGOCX.vbp

- The total amount of effective lines of code is made up of the Design and Code Lines. For the Supervisor project, this is **164,451** Lines of Code.

- The application uses the Following components:

Component	Component
ADODB*	**MSDataGridLib**
ADODB.Command	MSDataGridLib.Column
ADODB.Connection	MSDataGridLib.DataGrid
ADODB.DataTypeEnum	**MSDataListLib**
ADODB.Field	MSDataListLib.DataCombo
ADODB.ObjectStateEnum	**MSMask**
ADODB.Parameter	MSMask.MaskEdBox*
ADODB.Recordset	**MSXML2**
MSComctlLib	MSXML2.DOMDocument*
MSComctlLib.ColumnHeader*	MSXML2.DOMDocument40*
MSComctlLib.Controls	MSXML2.FreeThreadedDOMDocument*
MSComctlLib.ImageList*	MSXML2.IXMLDOMElement
MSComctlLib.ListItem*	MSXML2.IXMLDOMNode*
MSComctlLib.ListItems*	MSXML2.IXMLDOMNodeList*
MSComctlLib.ListSortOrderConstants*	MSXML2.ServerXMLHTTP
MSComctlLib.ListSubItem*	**Scripting**
MSComctlLib.ListView*	Scripting.FileSystemObject*
MSComctlLib.Node*	Scripting.TextStream*
MSComctlLib.StatusBar*	**Stdole**
MSComctlLib.TabStrip*	stdole.Font
MSComctlLib.TreeView*	**TabDlg**
MSComDlg	TabDlg.SSTab*
MSComDlg.CommonDialog*	TabDlg.StyleConstants*

Controls marked with an *are currently supported by the VBUC.

- As for the components that are not supported (MSDataGridLib, MSDataListLib, stdole.Font and MSXML2.ServerXMLHTTP), they need to be converted to their .NET equivalents.

  - MSDataGridLib and MSDataListLib are only used once in the source code, and are wrapped in a User Control.

  - The MSXML2.ServerXMLHTTP component is only used once in the application as well.

  - The stdole.Font component is used five times in the application

  Due to the low number of instances of these components in the application, these components will be replaced. manually by their .NET equivalent during the migration process.

- The application connects to the following ASP pages to communicate with the Omiga components:

  - LaunchBatch.asp

  - DeleteCustomerLock.asp

  - UnlockApplicationAndCustomers.asp

  - LockCustomersForApplication.asp

  - GetBankDetails.asp

  - ValidateUserLogon.asp

Migration Target

The estimate presented at the end of the ready program will be based on the following assumptions for the migration target:

- The target platform will be C# and the .NET Framework version 2.0

- The proposal will include two options for the migration of the ADO database components:

  - Use the current ArtinSoft solution to migrate the ADO calls to the ADO.NET SQL Client provider. This option may require some more manual work after the automated migration

  - Migrate the ADO calls to ADO.NET 2.0 System.Data.Common libraries and ArtinSoft support classes. This is currently under development at ArtinSoft, and the goal is to significantly reduce the amount of manual work required after the automatic migration and to allow migrated applications to connect to different DBMS.

- The application interacts with Omiga through two mechanisms:

  - Direct data manipulation on the database

  - Post XML code to Omiga's ASP pages, to interact with Omiga's components. For initial testing, the migrated application could connect with the VB6 version of Omiga, but the application needs to work with the migrated .NET version of Omiga before the completion of the project.

- Vertex is aiming to freeze the source code during the migration stage. Any

modification to the application that needs to take place during the migration will be done by Vertex on the VB6 application and then re-applied on the .NET version once they get it back. This, however, may not always be possible, so a mechanism will need to be in place to incorporate any changes to the original application on the migrated application.

- It is also necessary to remove the circular dependency between the Security and SecurityMgtInterface projects, or else Visual Studio 2005 will not be able to open the Supervisor Project. This will be part of the migration project and done by ArtinSoft.

- Some of the code reviewed in the ready will be removed since some of the features of Supervisor are no longer used. This will be done by Vertex before delivering the code to ArtinSoft

- As part of the migration project, ArtinSoft will change all strings that say *Marlborough Stirling* to *Vertex Financial Services*

- Vertex will remove the conditional compilation directives from the code before delivering the final code to ArtinSoft.

- There will be no need to change the interfaces to the Omiga ASP pages, since they will remain as ASP pages after the migration.

- The main goal of the project is to move away quickly from VB6. VB6 will be unsupported from March 2008.

- The expected timeframe will be to have the Supervisor project complete at the same time or shortly after the Omiga project. Based on the current expected Omiga schedule, this means a late July / August completion date.

- There is no migration "Cookbook" for Supervisor as there is for Omiga at this time. The proposal to be delivered by ArtinSoft will not consider additional Vertex requirements for the customization of the migration tool. These requirements may arise in the future, and if they do, they will be handled by a modification to the scope of the project.

Testing

- The original strategy was to develop Compuware Test Partner scripts for the VB6 version of Supervisor, and then use them to validate the migrated version. The validation test for this strategy, however, was not successful, since Test Partner identifies VB6 controls in the original application that are no longer there on the migrated application.

- ArtinSoft will receive the necessary Manual Test Cases for the application.

- ArtinSoft may receive Compuware Automated Test scripts, depending on several factors, including:

  - The solution of technical issues with having the same scripts work with the VB6 and .NET versions of he application

  - Compuware Licenses

  - Vertex internal testing policies

- For testing, ArtinSoft will require a fully functional Omiga installation for the Supervisor application to interact with. If the project is performed at the same

time as the Omiga project, then a single installation could be shared. Another option is for Vertex to install Omiga on a Virtual Machine and send to ArtinSoft.

- Vertex will include some Database Concurrency Test Cases that will be part of the fixed price of the project. Additional Database Concurrency testing will be done by Vertex when they receive the code back. For this second stage of Database Concurrency testing ArtinSoft could have someone over at Vertex to help out with any potential issues. This will be included in the proposal.

- ArtinSoft will receive the test cases before the testing period starts to validate the test cases on the VB6 application.

Open Issues

- Deliver the ready document on the week of January 29th – February 2nd.