

Rocket® U2

Interoperability Solutions

The features of U2 Interoperability enable you to choose from a vast number of tools and other software options that integrate well with U2, while preserving your investment in existing applications and systems.



Seamlessly Interface Your U2 Database with Other Databases

Modern software solutions, dominated by heterogeneous and open environments, have made interoperability the key driving factor in software development. Enabled and enhanced by standards compliance, interoperability must allow for a multitude of Web-based and desktop applications and components to seamlessly interoperate and deliver their combined power to the user.

Rocket U2 provides three types of interoperability:

- Database-level
- Client-server and Web
- Web Services

How U2 Talks With Other Databases.

Database-level interoperability offers users several ways of integrating their U2 applications with such relational data sources as MS SQL Server, Oracle and IBM DB2.

- ❖ Use External Database Access (EDA) to let your application directly and transparently store its data in and retrieve it from an external RDBMS. No knowledge of SQL is necessary to employ EDA in your applications.
- ❖ Use EDA in combination with Data Replication to make your U2 data immediately available to an external RDBMS for further processing and aggregation. This is an effective way to make data from multiple heterogeneous data sources available for Business Analytics and reporting solutions.
- ❖ Use the Basic SQL Client Interface, (or BCI), to connect to and send SQL statements to an external RDBMS using the Open Database Connectivity (ODBC) protocol. This allows you to exchange data or perform lookups and other useful SQL operations from your U2 applications.

Client-server and Web interoperability functionality is delivered with a comprehensive set of standards-based and native APIs and tools, enhanced with OpenSSL-based secure communication. These include:

- ❖ A scalable, version 3.0 compliant ODBC driver, available in both 32- and 64-bit modes
- ❖ A Type 4 native JDBC driver
- ❖ A .NET 4.0 compliant ADO.NET Data and Entity Framework Provider delivering LINQ to Entities and Entity Data Modeling (EDM) functionality for U2 databases
- ❖ Visual Studio Add-Ins that provide tight integration with design-time features of Visual Studio, such as Server Explorer, DataSet Designer, Data Source wizard, Query Builder and other wizards for rapid application development and data model design
- ❖ A Java Persistence API, an implementation of Object-Relational mapping in Java
- ❖ UniObjects for Java (UOJ), .NET (UO.NET), COM (UO), a set of native interfaces for a fast access to U2 databases, designed to closely match the U2 development paradigm

U2 Web Services interoperability technologies include tools and interfaces supporting:

- ❖ Development and deployment of SOAP/WSDL based Web Services
- ❖ Development and deployment of RESTful Web Services
- ❖ JSON and XML interchange formats in U2 Basic using U2 Dynamic Objects
- ❖ XML and SOAP APIs for mapping and exchanging data between XML documents and U2 files, and for consuming Web Services in U2 Basic applications

Interoperability Tools at Your Service.

Rocket U2 also provides a set of tools for designing and developing Web, client-server and mobile applications, as well as for data model mapping and Web Services development:

- ❖ EDA Schema Manager for mapping U2 data to relational data sources
- ❖ Metadata Management Tool for mapping U2 nested relational data model for ODBC, JDBC, ADO.NET and OLE DB access
- ❖ SOAP-based Web Services Developer, Browser and Deployment tool
- ❖ RESTful Web Services Developer and Deployment tool
- ❖ Basic Developer Toolkit (BDT), a GUI application development environment that simplifies U2 Basic application development and aids in creating and managing U2 Data Objects and XML mapping
- ❖ LegaSuite Mobile Workbench for mobile application development with U2 databases

U2 Interoperability Works with Rocket's Leading Reporting and BI Tools.

The following examples illustrate the benefits of U2 interoperability with the industry's leading reporting and Business Intelligence tools:

- ❖ Access enterprise data through interactive, dynamic dashboards using Rocket CorVu NG and deploy mobile dashboards through the Rocket CorVu mobile app for iPad and Android devices
- ❖ Build reports with Microsoft SQL Server Reporting Services (SSRS), transform data with SQL Server Integration Services (SSIS), connect to U2 with Visual Studio Tools for Office (VSTO) and tap into the potential of Azure Cloud Computing Architecture using U2 ADO.NET Data and Entity Framework Provider
- ❖ Seamlessly interface with Microsoft Excel, Word and Outlook from SB/XA and wIntegrate applications using .NET and COM technologies
- ❖ Create reports with SAP Crystal Reports and Business Objects using U2 ODBC driver

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On-Line Support is Available for Assisting You with Connecting U2 to Other Databases.

The Rocket Customer Portal provides customers and Rocket Business Partners with simple and direct access to Rocket Support. Customers receiving maintenance through a Rocket Business Partner can obtain support from their Business Partner.

Rocket Professional Services Offers a Wide Range of Programs.

Our U2 Professional Services team, with a large variety of skill sets, can tailor programs to your specific needs, including assistance with U2 Web Services, ODBC, Metadata Manager (MDM), and so much more. For more information contact them through email at U2Services@rocketsoftware.com.