

NETMANAGE

DEVELOPER KIT

Accelerate custom enterprise and host application solutions with our comprehensive development tools

The NetManage Developer Kit gives you a comprehensive set of development tools and resources to customize, extend and repurpose your current host applications, packaged applications, and databases. Streamline your business processes, increase productivity, and gain a competitive advantage with the new solutions you create.

Enterprise developers, consultants, and application vendors can now easily, efficiently, and reliably develop new applications that leverage existing mainframe, iSeries (AS/400), and UNIX-based business systems. In addition, host systems can be easily integrated with ERP, CRM, and other packaged applications to deliver new business solutions. Your developers, IT staffs, and end users will all benefit from the reduced complexity and increased functionality provided by custom host access applications.

Your application development projects can target the most critical bottlenecks in existing host applications without impacting the entire system, so you can reduce costs and bring projects online faster. And, get a more rapid ROI. More importantly, the solutions you create today to solve immediate problems can be easily leveraged when you want to add more features or functions later.

Your custom applications can increase productivity by shielding end users from the complexities of host access and navigation, as well as minimizing keystrokes and reducing manual errors.

Comprehensive development package

The NetManage Developer Kit helps your organization integrate enterprise information systems (EISs) into new or existing Windows and Web-based applications to deliver the information your users need. With your NetManage Developer Kit subscription you receive:

- RUMBA OFFICE development client
- OnWeb Web-to-Host development server and client
- OnWeb Server development tools
- OnWeb development servers (Windows, Linux and Solaris)
- ActiveX and Java host access controls (embedded in RUMBA Office and OnWeb Web-to-Host clients)
- API documentation, utilities, and code samples
- Access to the NetManage Developer Kit resource Website
- Comprehensive OneStep Developer support contract

Benefits

- Develop custom solutions fast with world-class host access development tools, components and services
- Combine information from multiple host-based applications, packaged applications and databases to create new Web-based applications
- Create reusable Web services/.NET/Java components from host-based processes while building a solid foundation for service-oriented architecture
- Customize objects from RUMBA and OnWeb Web-to-Host products



PDA with HTML-based mobile application created using OnWeb.

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Take advantage of powerful integration capabilities

The NetManage Developer Kit gives you the tools you need to customize end-user interactions across all aspects of host access. Desktop emulation, thin-client Web emulation, zero-footprint Web presentation, and integration component generation are all supported through the development toolkit. Your organization can gain more ROI on its investment in host systems, application development talent, and end-user training.

Customize your emulation experience

Nearly every RUMBA and OnWeb Web-to-Host feature/function is exposed as either a COM object or JavaBean. These objects encapsulate the logic required to access and exchange data with mainframe, iSeries, and UNIX host systems.

RUMBA development

The RUMBA development client gives you access to the underlying objects that make up RUMBA. NetManage component architecture allows developers to integrate the objects they need for specific custom applications. Each object can be quickly customized (and reused) through documented events, methods, and properties, reducing development and testing time. Events help developers streamline the synchronization process with host data streams, ensuring reliable interactions with host systems.

Encapsulating host processes into ActiveX components lets developers reuse host automation in new applications, saving time and development resources.

OnWeb Web-to-Host development

The OnWeb Web-to-Host development server and client give developers access to ActiveX and Java controls of Web-to-Host. Since Web-to-Host uses the same technology as RUMBA, developers can use their knowledge from the other environment without needing retaining.

The NetManage Developer Kit gives you OnWeb Object Builder, a graphical development tool for rapid creation of OnWeb Web-to-Host customizations.

Specifications

Host emulation supported

3270 and 5250 displays and printers, VTxxx and HP/3000 displays, multiple sessions/multiple applications, HLLAPI.

Emulation features

GDDM graphics, print/paste, keyboard mapping, macro support, macro start on connect option, macros mapped to keys, hotspots, right-mouse click support, light pen support, multi-page formatted, screen print, and more.

File transfer

FTP, IND\$FILE, AS/400 FTX.

Standard development environments

Support for VBScript, JavaScript, Visual C++, and Java for customizing controls, lets you draw from the large pool of qualified developers who are skilled in standard development languages.

OnWeb Development Tools

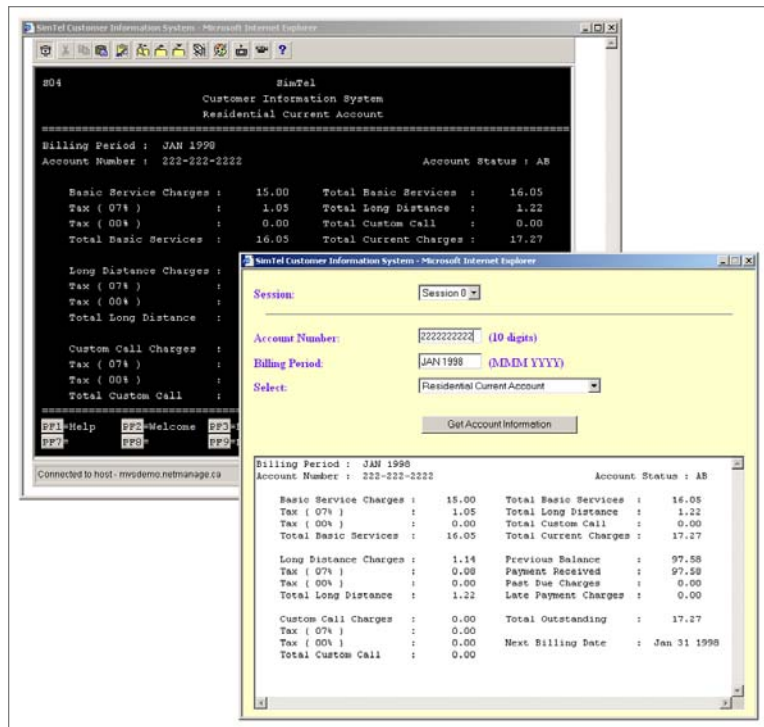
NetManage OnWeb gives you unprecedented flexibility and deployment speed when pursuing host-based business initiatives. OnWeb enables organizations to easily transform host applications into next-generation Web applications. OnWeb provides open support for both Microsoft .NET and Java 2 Enterprise Edition (J2EE) development frameworks, bridging the gap between mainframe and Web technologies without locking you into a particular technology.

Complement your existing application server investment

OnWeb is designed to complement your existing application server platforms by providing back-end connectivity to most systems. Application servers currently supported include: IBM WebSphere, BEA WebLogic, Sun Application Server, JBoss, and Microsoft BizTalk 2004.

Tools integrated for most common IDEs

For developers that are using standard integrated development environments (IDEs), such as Visual Studio .NET or



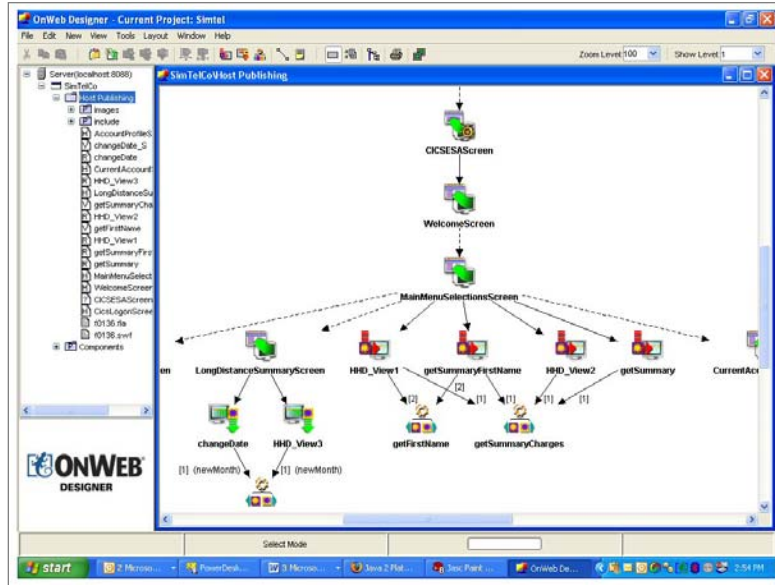
Enhancing host application usability using RUMBA customization.

Borland JBuilder, the Developer Kit provides a tightly integrated graphical development tool for these IDEs.

OnWeb Object Builder lets developers create reusable components that encapsulate business logic from existing business system without making changes to the underlying business systems or knowing how to integrate with that system. OnWeb manages the interactions with the back-end system.

.NET development – For developers using Visual Studio .NET as their IDE, NetManage provides OnWeb Object Builder. It is tightly integrated into the Visual Studio environment, enabling .NET developers to easily encapsulate existing business functions as .NET Assemblies, Web services, or BizTalk schemas (for use with the OnWeb BizTalk adapter) and immediately leverage new components into their Visual Studio projects.

J2EE development – OnWeb Object Builder is also tightly integrated into Borland JBuilderX. OnWeb Object Builder enables Java developers to encapsulate existing business functions as Enterprise JavaBeans (EJB), JavaBeans, Web services, and JSP 1.6-compliant portlets, enabling seamless integration into J2EE projects.



OnWeb Designer development tool for publishing and Web-based applications.

Host application re-facing –

OnWeb Designer provides a graphical development environment for re-facing existing host applications and presenting them as zero-footprint applications via the Web. Application re-facing can range from simply publishing “green screens” as HTML pages, through to a full re-facing of the application as a Web page, where the end user will not know he or she is interacting with a host system. This can be achieved without making changes to the underlying systems.

OnWeb Designer enables developers to automate screen navigation sequences, combine information from multiple screens (or even multiple host systems or back-end applications) to reduce the number of screens and systems with which users need to interact. OnWeb Designer also enables re-faced host applications to be accessed through different devices (browsers, PDAs, mobile, and others) from a single application without additional coding.

OnWeb development server –

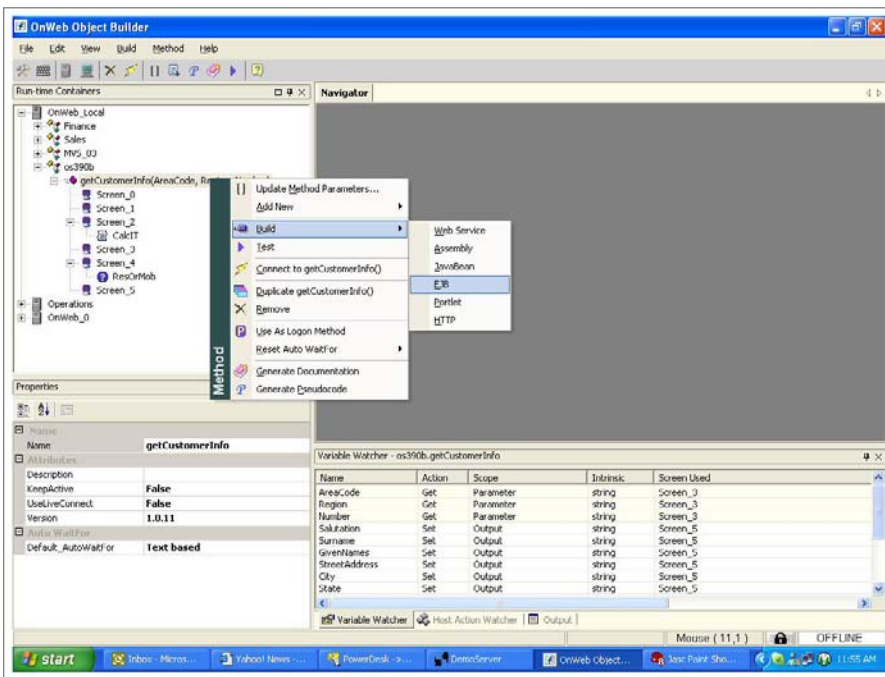
The NetManage Developer Kit provides development servers for all supported platforms, enabling developers to build and test applications on the target platforms. OnWeb server supports Windows Server 2000 and 2003, RedHat Linux Enterprise Edition, AIX 5L, and Sun Solaris 8 and above.

Host system supported –

3270, 5250, VTxxx terminal emulation. Through optional OnWeb Connectors: SAP R/3, PeopleSoft, JD Edwards, Siebel, Oracle Apps, CICS Transaction Gateway, MQSeries, DB2, Sybase, Informix, and CA-IDMS.

Development environments –

Support for VBScript, JavaScript, JScript. Integrated tools for Microsoft Visual Studio .NET 2003 and Borland JBuilder.



OnWeb Object Builder development tool for component generation and integration.

NetManage Developer Kit resource Website

The NetManage Developer Kit resource site provides 24/7 access to the help developers need to ensure projects deploy on time. NetManage developers are continuously updating the Website, providing new samples, documentation, and utilities to reduce development time. JavaScript, VBScript, C++, VB, HTML, DHTML, and ASP samples provide time-saving models from which to build custom applications.

OneStep developer support ensures direct access to experts

The OneStep Developer support plan, which is bundled with NetManage Developer Kit, allows your named contact(s) to call the support line as often as needed for help with application

development. Priority response is provided for critical problems, while online support is available anytime.

NetManage support engineers can streamline your application development projects with recommendations on API and syntax usage, troubleshooting guidelines, and sample code. Optional consulting services provide more help with specific development environments, architectural or code review, and application code writing.

Unlimited calling

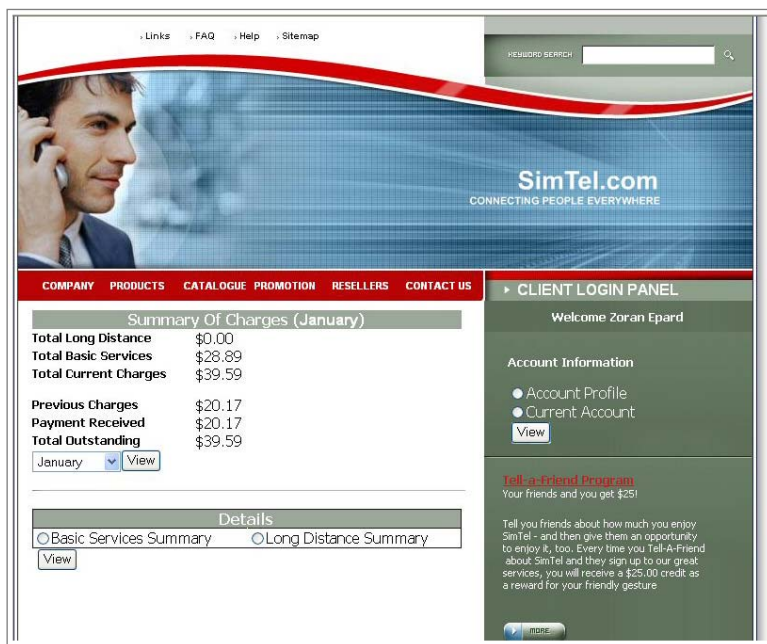
NetManage support engineers communicate with your development team through the contact(s) named in your subscription. Your contact(s) can call the NetManage Developer support line as often as needed.

Online services

Whenever technical questions come up, the ONESTEP self-support Website is ready to supply answers 24/7. Search the database for product information, check the FAQs for detailed explanations, and download service packs. Your named contact(s) can submit incidents online and our technical support specialists will respond by phone or email.

Optional consulting services

NetManage consulting engineers provide a wide range of additional value-added services. They can help with installation, configuration, customization, and give you instructions on how to best use NetManage products and tools. From concept planning through to ongoing maintenance, they can improve the return on your investment and oversee smooth rollouts or your new applications. Our engineers and consultants are fully versed on enterprise host connectivity, networking platforms, and development environments.



Transforming host applications into modern zero-footprint Web applications using OnWeb.



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