



Winners' Circle

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If you are looking for state-of-the-art applications that run on a NetWare server, look no further: The winners of the Novell Developers' Contest are among the most reliable and innovative applications for NetWare. The Novell Developers' Contest recognizes companies that push the networking envelope by creating NetWare-compatible applications that are fully integrated with Novell Directory Services (NDS).

This article examines the first- and second-round winners of the Novell Developers' Contest. (To read about the honorable mention winners, see "Honor Roll" on p. 44.)

WEBCONSOLE 3.1

WebConsole 3.1 from HiTecSoft Corp. was named Best Commercial Application in the first round of the Novell Developers' Contest. In addition, WebConsole 3.1 has received Novell's Yes, Tested and Approved certification for NetWare 5 and NDS 8 (the latest version of NDS).

What makes WebConsole 3.1 a winner? As the name implies, WebConsole 3.1 puts a convenient spin on network management by enabling you to securely manage NetWare 5, NetWare 4, and NetWare 3 servers through a standard web browser. You can perform network management tasks from any workstation with a web browser and an Internet connection, without having to use Novell's RCONSOLE utility. For example, you can manage NDS objects, NetWare Loadable Modules (NLMs), connections, and volumes:

- **NDS Management.** WebConsole 3.1 enables you to create, modify, rename, move, and delete NDS objects, such as User and Organizational Unit (OU) objects.
- **NLM Management.** WebConsole 3.1 displays a list of all NLMs that are available in a particular server's SYS\SYSTEM directory. This list includes a version number and a description for each NLM. You can use WebConsole

3.1 to load and unload NLMs and to view loaded NLMs. With the click of your mouse, you can also download the latest NLM updates from a master web site and apply these updates to the servers you specify. (In addition, WebConsole 3.1 allows you to download and apply the latest updates for both LAN and disk drivers.)

- **Connection Management.** WebConsole 3.1 displays a list of all connections that are currently established to a particular server. You can use WebConsole 3.1 to clear unwanted connections and to view open files. You can also view a variety of statistics about each connection, including login and logout times and the network address from which the connection originates.
- **Volume Management.** WebConsole 3.1 displays a list of all volumes that are currently mounted on a particular server. You can use WebConsole 3.1 to mount and dismount volumes. You can also view a variety of statistics about these volumes, including volume names, the total amount of hard drive space allocated to each volume and directory, and the amount of free hard drive space available to each volume and directory. You can even create and delete directories and delete files in the directory that you specify.

To prevent unauthorized users from accessing the servers on your company's network, WebConsole 3.1 uses NDS security. You must enter your NDS username and password, which WebConsole 3.1 protects by using Rivest-Shamir-Adleman Algorithm (RSA) encryption and Secure Sockets Layer (SSL) technology. After you have been authenticated to the NDS database, you can manage only the network resources for which you have been granted NDS rights.

You can purchase WebConsole 3.1 through retail channels beginning at the suggested retail price of U.S. \$1,995, and you can download a demo version of WebConsole 3.1 from http://www.hittecssoft.com/html/webconsole_demo.htm. For more information about WebConsole 3.1, visit HiTecSoft's web site (<http://www.hittecssoft.com>). You can also call 1-602-970-1025.

AUTHENTICATION SERVER

Authentication Server from Clemson University was named Best Custom Application in the first round of the Novell Developers' Contest. Authentication Server leverages NDS to provide single username and password authentication for students, faculty, and staff to Clemson University's heterogeneous environment. (Authentication Server was developed for use "in-house" and is not commercially available.) Authentication Server provides seamless connection to NetWare, IBM mainframes, Windows NT servers, Solaris, and varieties of UNIX such as Linux and Berkeley Software Distribution (BSD).

Authentication Server uses a set of NLMs to authenticate passwords and password change requests through NDS. Because Authentication Server is based on NDS, Clemson University developers can leverage NDS to provide additional client functions, such as enhanced security. Authentication Server also offers web connectivity to the entire NetWare network using Apache web servers and NDS.

For information about how the Clemson University developers created and



implemented Authentication Server, visit Clemson University's web site at <http://virtual.clemson.edu/groups/lansystems/doc/authserv/authserv.htm>.

SCHEMAX 1.0

ScheMax 1.0 from Netoria Inc. was named Best Commercial Application in the second round of the Novell Developers' Contest. ScheMax 1.0 provides a graphical, drag-and-drop interface that you can use to extend the NDS schema. You can also use this interface to create snap-in modules for Novell's NetWare Administrator (NWADMIN) utility—without having to do any programming. As a result, ScheMax 1.0 simplifies the process of customizing the NDS schema to meet your company's needs.

ScheMax 1.0 includes easy-to-use wizards that help you create or delete NDS classes or attributes. To ensure that you properly implement changes to the NDS schema, you can model new NDS classes and attributes offline, and you can test all of the changes before you actually extend the NDS schema.

After you add NDS classes and attributes, you can create snap-in modules for the NWADMIN utility that allow you to manage these classes and attributes. ScheMax 1.0 includes preconfigured components that you can use to construct snap-in modules, thus eliminating the need for you to program them yourself. You can create snap-in modules that work with both existing and new classes and attributes, and you can store these snap-in modules in the NDS tree. You can then grant network administrators or users the rights to access the snap-in modules you have created.

ScheMax 1.0 supports Windows NT, 98, and 95. ScheMax also supports all versions of NDS on any platform. You can download ScheMax 1.0 from <http://www.netoria.com/software/form.htm>. You can evaluate ScheMax 1.0 free for up to 60 days. You must then purchase ScheMax 1.0 for U.S. \$11.50 per node by registering the product, or you must remove ScheMax 1.0 from your company's network. (The price per node decreases if your network includes more than 100 nodes. The price per node also decreases if you use two or more Netoria products.)

For more information about ScheMax 1.0, visit Netoria's web site (<http://www.netoria.com>). You can also call 1-888-227-0711 or 1-801-227-0722.

PATCHLINK.COM

Patchlink.com from HiTecSoft was named Best Custom Application in the second round of the Novell Developers' Contest. Patchlink.com is a portal service that provides links to the latest software patches, software updates, and hardware drivers from a wide variety of manufacturers. Unlike other web sites that provide links to manufacturers' home pages, Patchlink.com supplies links that take you directly to the update you select. As a result, you do not have to search each manufacturer's web site for the updates that you need.

Patchlink.com offers the latest updates for popular operating systems such as NetWare, all Windows platforms, DOS, Linux, and OS/2. You can access updates through a simple interface, or you can download Gravitix: Gravitix is a web-based software application that analyzes your operating system and reports the current updates for your operating system. In addition, Gravitix automatically downloads and applies the updates you select.

Patchlink.com is available now at <http://www.patchlink.com>. Patchlink.com runs on NetWare 5 and employs NDS, Java, NetBasic, and Perl scripting technology. For more information about Patchlink.com, visit HiTecSoft's web site (<http://www.hitecsoft.com>).

ENTER YOUR APPLICATION IN THE NOVELL DEVELOPERS' CONTEST

These applications are only the beginning: The Novell Developers' Contest is not over yet. In the coming months, Novell will announce the winners of future rounds. Not only can you keep track of these winners, but you can also participate in the Novell Developers' Contest yourself. If your company has developed an application for NetWare, you can enter the Novell Developers' Contest by completing the registration form on Novell's DeveloperNet web site (<http://developer.novell.com/contest>). You can also call 1-800-REDWORD or 1-801-861-5281.

(See "Honor Roll" on p. 44.)

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(4.875" x 4.875")**

Honor Roll

Many companies that are participating in the Novell Developers' Contest have submitted cutting-edge applications. Although only a few of these promising applications can be winners, Novell has given honorable-mention awards to a range of products.

- **BindView Enterprise Management System 6 from BindView Development Corp.** BindView Enterprise Management System (EMS) 6 is a graphical console that provides analysis, reporting, and management capabilities. You can snap multiple object-oriented modules into the console, including modules for NDS object reporting, security auditing, asset tracking, and year-2000 testing. For more information about BindView EMS 6, visit BindView Development's web site (<http://www.bindview.com>). You can also call 1-800-813-5869 or 1-713-561-4000.
- **DS Expert 2.7 from NetPro Computing Inc.** DS Expert 2.7 monitors the NDS database, checking server availability, replica synchronization, and time synchronization. If a problem is detected, DS Expert 2.7 sends you an alert, thus preventing you from having to isolate the problem yourself. For more information about DS Expert 2.7, visit NetPro's web site (<http://www.netpro.com>). You can also call 1-800-998-5090 or 1-480-941-3630.
- **I-MailDS 3.00 from Digital Integration.** I-Mail 3.00 is a Simple Mail Transfer Protocol/Post Office Protocol (SMTP/POP) mail server that allows you to send and receive Internet mail through industry-leading e-mail systems, such as Novell's GroupWise. I-MailDS 3.00 simplifies the process of hosting a single domain or multiple domains, enabling you to integrate these domains with the NDS tree. For more information about i-MailDS 3.00, visit Digital Integration's web site (<http://www.di.co.nz>). You can also send an e-mail message to PostMaster@di.co.nz.
- **Integer 2.1 from Athena Design Inc.** Integer 2.1 is a spreadsheet server that allows you to collaborate on spreadsheets over an intranet, an extranet, or the Internet. Integer 2.1 also updates information from real-time data feeds, such as Reuters, and translates information from spreadsheet applications, such as Microsoft Excel and Lotus 1-2-3. For more information about Integer 2.1, visit Athena Design's web site (<http://www.athena.com>). You can also call 1-415-512-3870.
- **JDesignerPro 3.0 from BulletProof Corp.** JDesignerPro 3.0 is a suite of development tools you can use to develop both client- and server-side Java-based applications. You can also use JDesignerPro 3.0 to deploy these applications on your company's network or on your company's web site. For more information about JDesignerPro 3.0, visit BulletProof's web site (<http://www.bulletproof.com>). You can also call 1-800-505-0105 or 1-305-682-8187.
- **NetShield 3.18 for NetWare from Network Associates Inc.** NetShield 3.18 for NetWare provides antivirus protection for NetWare 5, NetWare 4, and NetWare 3 servers. NetShield 3.18 for NetWare performs a high-speed scan of all files as they are accessed, detecting viruses before multiple workstations become infected. For more information about NetShield for NetWare 3.18, visit Network Associates' web site (<http://www.nai.com>). You can also call 1-408-988-3832.
- **Niagara Mail Server 2.20 from Office-Net Kkt.** Niagara Mail Server 2.20 provides SMTP/POP services for NetWare 5 and NetWare 4 servers. For example, Niagara Mail Server 2.20 includes a Pegasus mail gateway and a list server. For more information about Niagara Mail Server, visit Office-Net's web site (<http://www.officenet.hu>). You can also call Office-Net in Hungary at +36-30-951-2479.
- **Pervasive.SQL from Pervasive Software.** Pervasive.SQL is a database management solution for packaged applications. Pervasive.SQL provides fast transaction processing and displays a global view of all network resources. For more information about Pervasive.SQL, visit Pervasive Software's web site (<http://www.pervasive.com>). You can also call 1-800-287-4383 or 1-512-231-6000.
- **PlusFactor Office Pack 1.1 from PlusFactor Software Inc.** PlusFactor Office Pack 1.1 is a Java-based information management solution for small businesses. PlusFactor Office Pack 1.1 includes a suite of tools that you can use to perform a variety of tasks, such as schedule meetings, send broadcast messages, and host online discussions. For more information about PlusFactor Office Pack 1.1, visit PlusFactor Software's web site (<http://www.plusfactor.com>). You can also call 1-503-827-6717.
- **ProSchedule for NetWare from Protocom Development Systems Ltd.** ProSchedule for NetWare allows you to schedule console tasks or commands at a specific time, date, or day of the week. You can configure ProSchedule for NetWare to perform console tasks or to enter console commands when particular server-based conditions occur. For more information about ProSchedule for NetWare, visit Protocom's web site (<http://www.serversystems.com>). You can also call Protocom in Australia at +61-2-6208-4888 or in the U.S. at 1-800-581-3502.
- **SBT Executive Series from SBT Accounting Systems Inc.** SBT Executive Series is a suite of object-oriented modules for financial accounting and business management. With SBT Executive Series, you can keep track of accounts payable, accounts receivable, sales orders, purchase orders, fixed assets, and inventory. For more information about SBT Executive Series, visit SBT Accounting Systems' web site (<http://www.sbt.com>). You can also call 1-800-944-1000 or 1-415-444-9900.
- **SFLOCK from Netoria Inc.** SFLOCK is a workstation security system that is available for Windows NT, 98, 95, and 3.x. With SFLOCK, you use the NWADMIN utility to set workstation security policies. Users then enter their NDS password to access their workstations. For more information about SFlock, visit Netoria's web site (<http://www.netoria.com>). You can also call 1-888-227-0711 or 1-801-227-0722.
- **Server Manager 2.1 from AdRem Software.** Server Manager 2.1 is a comprehensive management solution that allows you to manage server parameters, network connections, and open files. In addition, Server Manager 2.1 allows you to manage NetWare Loadable Modules (NLMs), to view system logs, and to modify NDS rights and server configuration files. For more information, visit AdRem Software's web site (<http://www.adremsoft.com>). You can also call AdRem Software in Poland at +48-602-537-308.
- **Visio Enterprise 5.0 from Visio Corp.** Visio Enterprise 5.0 is a suite of modeling tools that you can use to create conceptual and physical models for application development and database design. You can also use Visio Enterprise 5.0 to design and document your company's network, including LANs, WANs, and the NDS tree. For more information about Visio Enterprise 5.0, visit Visio's web site (<http://www.visio.com>). You can also call 1-800-24-VISIO or 1-425-867-2588. ●