Novell Developers’ Contest Grand Winners’ Circle

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As a network administrator, you understand the value of a full-service directory service. Fortunately, you are not alone—hundreds of developers have written or are writing applications that take advantage of NDS eDirectory, the leading full-service directory service. No matter what application your company is looking for, you are bound to find an NDS-enabled solution.

To make the task of developing to NDS products as easy as possible, NDS provides a host of developer resources on its DeveloperNet web site (http://developer.novell.com). Likewise, to make the task of developing to NDS products as rewarding as possible, NDS recently sponsored the NDS Developers’ Contest.

The NDS Developers’ Contest recognizes outstanding network and Internet applications that leverage NDS Directory Services (NDS) and NetWare. With the conclusion of the fourth and final round of the contest, we are pleased to announce—the NDS Developers’ Contest Grand Winners’ Circle. (For a list of winners from previous rounds, see “Round Winners” at the NDS Connection web site [http://www.nwconnection.com], or visit http://developer.novell.com/contest).

Enterprise Security Manager 5.0 for NDS

Enterprise Security Manager (ESM) 5.0 for NDS from AXENT Technologies takes its place as the Best Overall Commercial Application in the NDS eDirectory Service. ESM 5.0 for NDS is a security management solution for cross-platform enterprise networks. With ESM 5.0 for NDS, you can establish and manage one set of security policies for the entire network.

To manage cross-platform networks, ESM 5.0 for NDS uses a manager-agent architecture. ESM agents reside on each system, enabling you to manage, monitor, and report on that system’s security status. The ESM manager controls groups of agents and collects and stores the security data these agents report.

To control the agents and, therefore, the systems on which the agents run, you create security policies. You can use default security settings or create customized security settings to better meet the needs of your company. ESM 5.0 for NDS will then identify and prevent users from having security privileges that exceed your company’s security policy. For example, ESM 5.0 for NDS can examine startup files for potential security breaches, check system mail for security lapses, and protect the integrity of objects by identifying changes in ownership and permission.

In addition, ESM 5.0 for NDS provides integrated reporting capabilities such as trend-analysis graphs that help you assess the effectiveness of your company’s security policies. ESM 5.0 for NDS also includes wizards, dynamic configuration capabilities, an easy-to-use GUI, and remote installation and upgrade capabilities.

ESM 5.0 for NDS supports more than 35 operating systems, including NetWare, Windows NT, IBM mainframes, Solaris, and distributions of UNIX such as Linux and Berkeley Software Distribution (BSD). For more information about ESM 5.0 for NDS, visit AXENT’s web site (http://www.axent.com). You can also call 1-301-258-5043.

AuthServ

AuthServ from Omnibond Systems LLC. was named Best Commercial Application in the Network Solutions and Collaboration category. AuthServ leverages NDS to provide users with single username and password authentication to cross-platform networks.

AuthServ uses a set of NetWare Loadable Modules (NLMs) to authenticate passwords and password change requests through NDS, eliminating the need for applications to access each operating system separately for this information. The AuthServ NLMs run on any NetWare 5.x or 4.x server and process requests from AuthServ clients on non-NetWare application servers, including Windows NT, UNIX, and mainframe servers. As a result, the AuthServ NLMs enable users to authenticate to NDS from non-NetWare platforms.

AuthServ also provides additional networking capabilities through NDS, such as enhanced security.

AuthServ was originally developed as an “in-house” application at Clemson University. However, AuthServ is now available commercially through Omnibond Systems. You can download a free trial version of AuthServ from http://www.authserv.com/fagree.asp. For more information about AuthServ, visit http://www.authserv.com. You can also call 1-864-985-7761.

SecureTrustee

SecureTrustee from Protocom Development Systems Ltd. was named Best Commercial Application in the Network
M anageability category. Through integration with NDS and other Lightweight Directory Access Protocol (LDAP) enabled directories, SecureTrustee enables you to centrally manage your company’s NetWare servers. With SecureTrustee, you can define rules and apply those rules to servers across the network, eliminating the need for you to manage each server individually. In addition, when you add a new server to your company’s network, SecureTrustee automatically applies the appropriate rules to that server.

To help you control users’ access to servers, SecureTrustee also provides a reporting feature. You can quickly and easily view which users have access to each server and what access rights each user has.


E-BUSINESS SOLUTIONS

E-Business Solutions from Oblix Inc. was named Best Commercial Application in the Intranet/Internet Services category. E-Business Solutions uses NDS and other LDAP-enabled directories to provide dynamic user profile management. Using E-Business Solutions, you can manage and update user profiles and policies in real time. As a result, you can ensure that employees, suppliers, partners, and customers always have accurate information to perform e-business transactions.

The E-Business Solutions user profile can include information such as phone numbers, e-mail accounts, rights, corporate directories, photos, and organizational information. In addition, E-Business Solutions allows you to control users’ access to corporate information through attribute-level security policies. You can also enable users to update their own profiles in E-Business Solutions.

You can access online demo versions of E-Business Solutions at http://www.oblix.com/sales/sale_onlinedemos.html. For more information about E-Business Solutions, visit the Oblix web site (http://www.oblix.com). You can also call 1-408-861-6805.

J DESIGNERPRO

JDesignerPro from BulletProof Corp. shares the award for Best Commercial Application in the Application Development and Deployment category with CodeWarrior from Metrowerks. JDesignerPro is a Java-based programming tool that allows you to develop applications using a graphical drag-and-drop capability. With JDesignerPro, even non-programmers can develop both client- and server-side Java-based applications.

JDesignerPro provides you with a graphical, browser-based view of code; templates; wizards; and other tools to help you develop and deploy applications. The applications you create with JDesignerPro are automatically integrated with NDS. In addition, JDesignerPro enables you to reuse modules that you have previously written for other applications, eliminating the need for you to create new code.

You can access an online demonstration of JDesignerPro and download a trial version of JDesignerPro at http://www.bulletproof.com/Demos/index.htm. For more information about JDesignerPro, visit BulletProof’s web site (http://www.bulletproof.com). You can also call 1-800-505-0105 or 1-305-682-8187.

CODEWARRIOR PDK FOR NETWARE

CodeWarrior Professional Development Kit (PDK) for NetWare from Metrowerks was named Best Commercial Application in the Application Development and Deployment category. CodeWarrior PDK for NetWare, an add-on to CodeWarrior for Windows, contains a comprehensive set of developer tools for creating applications, including NLMs. With CodeWarrior PDK for NetWare, you can compile, create, edit, and debug NLMs using C, C++, and Java.

CodeWarrior PDK for NetWare includes C, C++, and Java tool sets; NetWare Software Developer Kits (SDKs); GroupWise SDKs; a Device Driver Development Kit (DDK), and additional libraries to help you quickly develop applications. With CodeWarrior PDK for NetWare, you can develop server-side applications (such as NLMs and Java applications) and client-side applications (such as Windows NT, 98, 95, and Java applications). You can then distribute these applications across your company’s network or across the Internet.

For more information about CodeWarrior PDK for NetWare, visit Metrowerks’ web site (http://www.metrowerks.com/desktop/novell). You can also call 1-800-377-5416 or 1-512-873-4700.

COLLABORATIVE LEARNING ENVIRONMENT

Collaborative Learning Environment (CLE) from Clemson University was named Best Overall Custom Application. CLE leverages NDS to create an online learning environment. CLE runs on Omnibond’s AuthServ, which provides single sign-on authentication to cross-platform networks. (AuthServ is the winner of the Best Commercial Application in the Network Solutions and Collaboration category.)

At the beginning of each semester at Clemson University, CLE automatically assigns professors and students network space for each course. This network space provides an electronic forum where the students and professors can communicate and share resources. For example, students can use this network space to store

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Students and faculty members. Through CLE, Clemson University provides headline news, online seminars and orientations, online technology labs, online access to course schedules, and a course syllabus repository.

CLE authenticates users to the class network space using the same username and password that users use to authenticate to the campus network. Students and professors can access CLE through the Clemson University network or over the Internet.

Currently, CLE is not available commercially. However, you can take an online tour of CLE at Clemson University's web site (http://dcit.clemson.edu/train/studenttrain/cle/html).

**PATCHLINK.COM**

Patchlink.com from Patchlink.com Corp. (formerly called HiTecSoft Corp.) was awarded Best Custom Solution in the Intranet/Internet Services category. Patchlink.com is a comprehensive portal service that provides links to current patches, updates, and drivers. Patchlink.com doesn’t just link to manufacturers’ home pages, however; Patchlink.com supplies links to the exact download site. As a result, you don’t waste time searching for the latest updates. (See Figure 1.)

Patchlink.com further simplifies the task of updating your company’s hardware and operating system software through Gravitix, a web-based software application that analyzes your operating system and compiles a list of the current updates for your specific operating systems. Gravitix automatically downloads and distributes the updates that you select.

Patchlink.com is powered by NetWare 5. Patchlink.com provides links to updates and patches for NetWare, Windows, Linux, OS/2, and DOS operating systems. For more information about Patchlink.com, visit http://www.patchlink.com. You can also call 1-480-970-1025.

**LDAP BROWSER/EDITOR**

LDAP Browser/Editor is a comprehensive portal service that provides links to current patches, updates, and drivers. LDAP Browser/Editor provides tightly integrated browsing and editing capabilities for LDAP-compliant directories. With LDAP Browser/Editor, you can add, view, and modify items stored in NDS and other LDAP-enabled directories. For example, if you have the appropriate rights, you can modify NDS objects, attributes, and classes. LDAP Browser/Editor can reserve connections to NDS and other LDAP-enabled servers for later use. You can also use LDAP Browser/Editor to retrieve the full name and context of an LDAP P3 server using only the host name and port number.

Written entirely in Java, LDAP Browser/Editor features an interface that is similar to Windows Explorer. For more information about LDAP Browser/Editor or to download LDAP Browser/Editor, visit http://www.iit.edu/~gawojar/ldap.

**COURSESHARE 1.0**

CourseShare 1.0 from Jeremy Grieshop and Chris Davenport of Miami University (Ohio) was named First Runner-up Best Student Application. CourseShare 1.0 enables universities to securely and reliably manage shared resources for students and faculty members. For example, CourseShare 1.0 extends the NDS schema to add new classes and attributes that store network, department, and course information. CourseShare 1.0 also uses NDS to automate the creation of groups and trustees.

Using CourseShare 1.0, faculty members can create and manage folders to store course information, student folders, and group folders. In addition, CourseShare 1.0 provides a single point of administration. (CourseShare 1.0 is not commercially available.)

**CONCLUSION**

Of course, the real winner of the Novell Developers’ Contest is you, the network administrator: You have a host of award-winning products you can use to enhance your company’s network environment. For more information about these winning applications, visit http://developer.novell.com/contest.

The Novell Developers’ Contest may be over for now, but the market for enterprising developers is still heating up. If your company has a product that complements Novell’s technologies, you too can cash in on Novell’s success by joining Novell’s DeveloperNet. For more information about DeveloperNet, visit Novell’s web site (http://developer.novell.com). You can also call 1-800-REDWORD or 1-801-861-5281.

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