

Novell Secure Access

1.5

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QUICK START

Overview and Installation

Novell Secure Access is an integrated suite of access and security products that simplify, secure, accelerate, and extend identity management to applications, platforms, databases, and network resources.

Today's traditional, best-of-breed access and security solutions often have their own identity stores and security policies. Having to maintain multiple identity stores and security policies introduces significant security vulnerabilities, increases administration and support costs, and reduces the quality of the end user experience. Additionally, such solutions don't provide a mechanism for enforcing a consistent access control and security policy for the many users an organization encounters.

Novell Secure Access enables organizations to remove many of these vulnerabilities, reduce administrative and support costs, and improve the end user experience by unifying the identity management between Novell and non-Novell applications, databases, platforms, and other network resources.

The following products are included in the suite:

- ♦ BorderManager Enterprise Edition 3.7

Novell BorderManager is one of the premier Access and Security solutions from Novell. With its powerful directory-integrated features, you can control, accelerate and monitor your users' Internet activities. Because Novell BorderManager leverages identity-based access control and forward proxies, you can safeguard your network against undesirable Internet content while maintaining exceptional performance levels. Novell BorderManager also integrates VPN services, an industry-certified firewall and a scalable content-filtering service to ensure that your network is protected and your users are productive.

- ♦ eDirectory 8.6.2 (Includes NMAS 2.02 Standard Edition on a separate CD.)

Novell eDirectory is a highly scalable, high performing, secure directory service. It can store and manage millions of objects, such as users, applications, network devices, and data. Novell eDirectory natively supports the directory standard Lightweight Directory Access Protocol (LDAP) version 3 over Secure Socket Layer (SSL).

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Novell eDirectory provides the basic foundation for the directory service, which provides replication and partitioning capabilities, along with other utilities. Additional packages that build upon this basic directory structure are bundled with this suite to increase functionality.

- ♦ iChain 2.1

Novell iChain is Secure Access for the Web. It unifies identity management and access control for Web users. iChain is an integrated security and access-management infrastructure that protects your network and safeguards sensitive eBusiness and identity data. iChain facilitates your eBusiness and remote-access initiatives by providing secure authentication and access to portals, Web-based content, and Web applications. As an unparalleled foundation for your commercial success, iChain incorporates Novell eDirectory, the world's most scalable and widely used directory. iChain also offers personalization, simple installation, Web Single Sign-on, and the ability to secure access to data and applications across the Internet. With iChain, you can simplify, secure, and accelerate your eBusiness transformation.

- ♦ Novell Account Management 3.0

To protect your servers and their resources, you need a uniform way to control and manage user account information across your various network platforms. Novell Account Management is a cross-platform access-management product that provides consistent protection so your server platforms can work together reliably, as one Net.

A cross-platform network offers you flexibility: you can place individual business applications on the server platform that is most efficient for the application. However, inconsistencies among user accounts across multiple platforms can create security gaps that leave your network vulnerable to attack. Novell Account Management helps to close those gaps by providing a way to manage information about your users, across all of your diverse platforms. Novell Account Management also supports the most popular server platforms on today's market, including NetWare, Windows 2000/NT, Solaris Sparc/x86 and HP-UX. This enables you to leverage your existing network infrastructure, eliminate incompatibility issues and save money by avoiding costly and unnecessary upgrades.

In addition, with Novell Account Management you can manage user accounts, passwords and authentication for all of your server platforms, from a single point of administration. You will spend less time and money managing user accounts because changes you make to account information are distributed to every server on your network instantaneously.

- ♦ Novell Modular Authentication Service 2.0

Novell Modular Authentication Service (NMAS) 2.0 is Secure Access for advanced authentication. It unifies security policies for advanced authentication devices. NMAS is an extensible security product that offers you an easy way to centrally manage multiple authentication methods across your network. With NMAS, you can implement stronger forms of authentication and authorization to secure your critical corporate resources. While removing the complexity of authentication to Novell eDirectory, NMAS allows you to create a variety of flexible security options. NMAS also helps remove the administrative overhead involved with maintaining password information throughout your organization.

With Novell Modular Authentication Service, users can authenticate to the network via something they know (for example, a password), something they have (for example, a smart card), or something they are (for example, a fingerprint).

- SecureLogin 3.03

SecureLogin is Secure Access for applications. It unifies identity management and access control for Citrix, Host base, Web, and Windows applications. For security, many applications and Web sites require you to log in. Typically, you log in by entering your username and a password, or by using a biometric device.

As you continue to log in to new applications and Web sites, you might find it increasingly difficult to remember the various passwords. But for security reasons, it is unwise to write your passwords on a sheet of paper next to your computer.

SecureLogin takes the fuss out of logging in to various secure applications and protected Web sites. After you authenticate (securely log in) to the network, SecureLogin can use its single sign-on functionality to automatically log you in to applications and Web sites that you have set up.

INSTALLING SECURE ACCESS

Secure Access 1.5 contains several key security products. For this release, each product is a separate product and must be installed separately.

Novell has installed and tested Secure Access products in the order listed for the NetWare 6.0, NetWare 5.1, and Windows 2000 sections that follow. If you are installing these products onto a NetWare 6.0 server, see the NetWare 6.0 section issues. If you are installing these products onto a NetWare 5.1 server, see the NetWare 5.1 section issues. If you are installing these products onto a Windows 2000 server, see the Windows 2000 section issues.

NETWARE 6.0 WITH SUPPORT PACK 2 (INCLUDES EDIRECTORY 8.6.2 AND AUTOMATICALLY INSTALLS NMAS STANDARD EDITION)

1. eDirectory 8.6.2
2. BorderManager 3.7

Issue 1. Steps Needed to Install BorderManager 3.7 on NetWare 6.0 SP2

1. Read carefully the installation documentation for BorderManager 3.7 and the readme file that ships with it.
2. Make sure the LOAD and BIND statements for the LAN Cards are being handled by INETCFG. Refer to the NetWare Cool Solutions article, "Running BorderManager on NetWare 6" (http://www.novell.com/cool solutions/netware/features/tips/t_bm36_nw6_nw.html).
3. Install BorderManager 3.7 using the Java GUI screen on the server console. If you receive file date conflict errors, select Never Overwrite Newer Files.

4. Enter FILTSRV MIGRATE at the console prompt to migrate the existing filters to eDirectory.
 5. Complete the setup of BorderManager 3.7
3. iChain 2.1

Issue 1. Setting up a Schema Attribute for iChain 2.1

When installing iChain 2.1 after BorderManager 3.7, you will have to set up a schema attribute to complete the installation of iChain 2.1. Refer to [TID# 10067543 \(http://support.novell.com/cgi-bin/search/searchtid.cgi?/10067543.htm\)](http://support.novell.com/cgi-bin/search/searchtid.cgi?/10067543.htm) for instructions.

Issue 2. Using Internet Explorer 6.0 and BorderManager Proxy with iChain

If you attempt to access an iChain secure Web page using Internet Explorer 6.0 and BorderManager Proxy, you will need to turn off the JIT compiler. If you don't, the secure pages will not be accessible.

To turn off the JIT compiler, do the following:

1. In Internet Explorer 6.0, click Tools > Internet Options > Advanced Tab.
 2. Scroll down to JIT Compiler for virtual machine enabled (requires restart) and unmark this option.
 3. Exit Internet Explorer and reboot the workstation.
4. Novell Account Management 3.0

Issue 1. You must install DirXML 1.1 or higher and SecretStore 3.0.3 prior to installing Account Management 3.0.

Issue 2. Port conflict with Novell Account Management and BorderManager

BorderManager and Novell Account Management both use the same default port. If you are installing Novell Account Management on a server where BorderManager has already been installed, you will have a port conflict.

In order to avoid this problem, do not use the default port (2000) for the agent compatibility port. Pick a different port to avoid conflicts with BorderManager.

5. SecureLogin 3.03

Issue 1. SecretStore for Solaris and Linux

SecretStore components for Linux and Solaris are not included in the SecureLogin 3.03 software image. These components will be available for download when they are completed at the [Novell Product Download site \(http://download.novell.com\)](http://download.novell.com).

Issue 2. Integrating Novell SecureLogin and the Proxy Authentication provided by iChain

To enable Novell SecureLogin to correctly populate the username and password fields presented by the iChain Proxy Authentication page, perform the following steps:

1. In ConsoleOne, select the user or container that will use this script and open the Properties page for that object.

2. Select Novell Secure Login > Manage Logins > New Application.

3. For the Name attribute, enter the DNS name of your iChain Proxy Server, followed by / ICSLogin/. For example, if your iChain Proxy Server is called auth.acme.com, the name will be auth.acme.com/ICSLogin/.

4. For Type, select Web.

5. Click OK.

6. Select the newly created application > click Edit.

7. Enter a description for this script (for example, iChain Proxy Authentication page).

8. Click the script tab, and enter the following three lines:

Type \$Username

Type \$Password Password

Click #1

9. Click OK to apply the changes and exit the Properties page.

Users will be prompted for their username and password on the first visit to a page protected by the iChain's Proxy Authentication. Novell SecureLogin will provide these credentials during later visits.

6. NMAS 2.0 Enterprise Edition

Issue 1. If you install NMAS 2.0 Enterprise Edition on top of a previously installed version of NMAS Standard Edition, you must say no when asked if you want to replace the newer files on your system with the older ones from the install. By not overwriting newer files, you will bring the previously installed NMAS Standard Edition to a full Enterprise Edition with full functionality.

NETWARE 5.1 WITH SUPPORT PACK 5

1. eDirectory 8.6.2

2. BorderManager 3.7

Issue 1. Steps needed to install BorderManager 3.7 on NetWare 5.1 with Support Pack 5

1. Carefully read the installation documentation for BorderManager 3.7 and the readme file that ships with it.

2. Make sure the LOAD and BIND statements for the LAN cards are being handled by INETCFG. Because Support Pack 3 is installed, BorderManager cannot be installed until NW51NI1.EXE is installed. Refer to [TID #10064388 \(http://support.novell.com/cgi-bin/search/searchtid.cgi?/10064388.htm\)](http://support.novell.com/cgi-bin/search/searchtid.cgi?/10064388.htm).

3. Install BorderManager 3.7 using the Java GUI screen on the server console. If you receive file date conflict errors, select Never Overwrite Newer Files.
4. Enter FILTSRV MIGRATE on the console prompt to migrate the existing filters to eDirectory.
5. Complete the setup of BorderManager 3.7

3. iChain 2.1

Issue 1. Setting up a Schema Attribute for iChain 2.1

When installing iChain 2.1 after BorderManager 3.7, you will have to set up a schema attribute to complete the installation of iChain 2.1. Refer to [TID# 10067543 \(http://support.novell.com/cgi-bin/search/searchtid.cgi?/10067543.htm\)](http://support.novell.com/cgi-bin/search/searchtid.cgi?/10067543.htm) for instructions.

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If you attempt to access an iChain secure Web page using Internet Explorer 6.0 and BorderManager Proxy, you will need to turn off the JIT compiler. If you don't, the secure pages will not be accessible.

To turn off the JIT compiler, do the following:

1. In Internet Explorer 6.0, click Tools > Internet Options > Advanced Tab.
2. Scroll down to JIT Compiler for virtual machine enabled (requires restart) and unmark this option.
3. Exit Internet Explorer and reboot the workstation.

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BorderManager and Novell Account Management both use the same default port. If you are installing Novell Account Management on a server where BorderManager has already been installed, you will have a port conflict.

In order to avoid this problem, do not use the default port (2000) for the agent compatibility port. Pick a different port to avoid conflicts with BorderManager.

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2. Select Novell Secure Login > Manage Logins > New Application.
3. For the Name attribute, enter the DNS name of your iChain Proxy Server, followed by / ICSLogin/. For example, if your iChain Proxy Server is called auth.acme.com, the name will be auth.acme.com/ICSLogin/.
4. For Type, select Web.
5. Click OK.
6. Select the newly created application > click Edit.
7. Enter a description for this script (for example, iChain Proxy Authentication page).
8. Click the script tab, and enter the following three lines:

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9. Click OK to apply the changes and exit the Properties page.

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If you do not have NMAS Standard Edition installed before you installed NMAS Enterprise Edition, you can install the NMAS Standard Edition at any time. Installing the NMAS Standard Edition will provide you with bug fixes not available when the NMAS Enterprise Edition was shipped.

WINDOWS 2000

1. eDirectory 8.6.2

Issue 1. If you are running Active Directory on the same machine you are installing eDirectory 8.6.2 on, you will have an LDAP port conflict. You will need to change one of the LDAP ports to something other than the default.

2. BorderManager 3.7

Issue 1. Steps needed to install BorderManager 3.7 on NetWare.

1. Carefully read the installation documentation for BorderManager 3.7 and the readme file that ships with it.
2. Make sure the LOAD and BIND statements for the LAN cards are being handled by INETCFG.
3. Install BorderManager 3.7 using the Java GUI screen on the server console. If you receive file date conflict errors, select Never Overwrite Newer Files.
4. Enter FILTSRV MIGRATE on the console prompt to migrate the existing filters to eDirectory.
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LICENSING

User licenses for Secure Access must be purchased for every user object in the eDirectory tree.

The suite is available via the MLA, CLA, and VLA licensing programs.

ADDITIONAL INFORMATION

For further product information, visit the [Novell Secure Access Web site \(http://www.novell.com/products/secureaccess\)](http://www.novell.com/products/secureaccess).

For information on installing and administering these products, visit the [Secure Access 1.5 Documentation Web site \(http://www.novell.com/documentation/lg/secure_access15\)](http://www.novell.com/documentation/lg/secure_access15).