

Upgrade from Novell® iChain® to Novell Access Manager

A Feature Comparison

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ATTENTION NOVELL iCHAIN® CUSTOMERS

Enterprise security begins with a simple premise: either you let people in or you keep them out. In the real world, however, things aren't that simple. You need an advanced solution that secures your infrastructure, prevents information theft and protects the privacy of people inside and outside the organization, all while complying with strict regulatory mandates and maintaining peak operational effectiveness. Novell Access Manager is that solution.

It puts the trust in business relationships by making asset-sharing with customers and partners easy and secure. Unlike other access-management solutions, Novell Access Manager supports a broad range of platforms and directory services, so you don't have to be concerned about compatibility. In fact, it's flexible enough to work within and between even the most complex, multivendor computing environments.

With Novell Access Manager, you can control access to Web-based and traditional business applications. You can also conduct business confidentially and securely over the Internet. And, in every case, you know who you're dealing with: access is authorized based on users' roles within the organization or their relationships to it.

In the past, you've trusted Novell iChain for secure authentication and access to portals. Now Novell brings you additional functionality in Access Manager. Let's take a look the features available in both products:

Feature	Novell iChain	Novell Access Manager	Upgrade Benefit
Secure Web Content	✓	✓	Novell Access Manager continues to provide the same benefits as iChain, securing access to Web applications, without modifying content, or installing additional software on accelerated Web servers
Single Sign-on to Web Servers	✓	✓✓	Novell Access Manager continues to provide the same capabilities as iChain to perform Single Sign-On to Web applications, with key enhancements to simplify the definition of form-fill policies
Identity-based Access Control	✓	✓✓✓	Novell Access Manager continues to provide Identity-based Access Control, but now offers a new, extensible policy engine that provides greater flexibility to define authorization decisions; as well as allowing third-party developers to integrate custom policy decision processes.
Personalized Content	✓	✓✓	Novell Access Manager continues to provide Identity Injection (another name for

Feature	Novell iChain	Novell Access Manager	Upgrade Benefit
			Object Level Access Control) capabilities and now fully leverages the ID:Web Service Framework to retrieve a user's identity.
Dynamic Encryption	✓	✓	Novell Access Manager continues to provide dynamic encryption of data between the Access Gateway (proxy) and the browser—all without requiring any modification to Web content.
Host Name Rewriter	✓	✓	Novell Access Manager continues to provide rewriting capabilities, enabling dynamic encryption (HTTP-to-HTTPS) and allowing an organization to completely hide its internal DNS information—all without requiring any modification to Web content.
Citrix Thin Client	✓	✓✓	Citrix is supported via the SSLVPN, which not only provides support for additional thin client protocols including RDP, but also supports other non-http applications.
Secure Assertions Markup Language (SAML)	✓	✓✓	While iChain provided support for only SAML 1.0, Novell Access Manager supports SAML 1.1 and 2.0.
Multiple Platforms		✓	Access Gateway is available on both the NetWare and Linux platforms, giving IT staff members the opportunity to select their preferred platform.
Device Manager Console		✓	Access Gateway is configured and administered via the Access Manager Management Console, which unifies the entire access-management infrastructure. This console also allows multiple Access Gateways to be configured as a group while still handling individual device attributes, such as IP address and subnet address.
Federated User Authentication		✓	Access Gateway supports user authentication via the Liberty Alliance

Feature	Novell iChain	Novell Access Manager	Upgrade Benefit
			standards for identity federation interoperability.
Access Policy Management		✓	Access Gateway supports the new policy administration mechanisms provided by the Access Manager Management Console.
Access Policy Granularity	✓	✓✓✓	While iChain provided for the declaration of access-control policies on a per-accelerator basis, Access Gateway allows many policies to participate in controlling access to individual protected resources.
Access Manger Policy Access Control		✓	Access Manager policies may be partitioned to allow multiple policy administrators to maintain the access-control policies
SSLVPN		✓	A new SSLVPN is provided as an adjunct to the Access Gateway to provide secure firewall access to enterprise resources.
Java Agents		✓	Novell Access Manager supports the specification of access-control policy to be enforced when accessing Java objects (e.g., Java Beans, Enterprise Beans or Servlets).

As you can see, Novell Access Manager builds on the benefits and architecture that exist in Novell iChain and adds to them components that improve speed, security and ease of management across your eBusiness.

NEW COMPONENTS FEATURED IN NOVELL ACCESS MANAGER

Access Manager Policy

The fundamental strengths of Access Manager are policy management and enforcement. All Access Manager components are guided by user-definable policy statements that are both enforced and logged for later regulatory compliance reporting.

Identity Server

The identity server is responsible for authenticating users and providing role information to facilitate authorization decisions.

The identity server provides authentication services for all Access Manager components [as well as generates provider and consumer services for Liberty Alliance and SAML (1.1 and 2.0) requests]. Like all

Access Manager components, the identity server provides authentication services according to Access Manager policy declarations.

The identity server also provides the full Liberty Alliance Web Service Framework to distribute identity information. In addition to the standard Liberty Alliance Employee and Personal profile, the identity server also allows custom attributes to be defined and used in policy enforcement.

One additional technology that the identity server facilitates is federated provisioning, which automatically creates user accounts on a federation request. Without this feature, users would have to register (create a user account) with a service provider before they could federate their identities.

Access Gateway

The Access Gateway is the HTTP proxy component of Novell Access Manager. In addition to providing the award-winning Novell security and proxy services (authorization, single sign-on and data encryption), it also integrates with the new identity and policy services of Novell Access Manager.

The Access Gateway provides the ability to transform identity-provider authentication and services into standard Web headers, form fill-in responses and basic authentication responses. In other words, existing Web applications may support the new identity standards without change.

An example of the support for new identity services is the policy-enabled identity injection feature of the Access Gateway (formerly known as Object Level Access Control), which leverages the Liberty Alliance Web services framework to extract identity information and inject that identity into Web headers or query strings.

Java Application Agents

The three Java application server agents—IBM WebSphere, BEA Weblogics and JBoss—utilize the JAAS and JACC mechanisms and internal Web-server APIs for authentication. They also provide policy-controlled authorization and access to Servlets and EJBs. Tighter, more robust integration is accomplished in some cases via the use of platform-specific APIs.

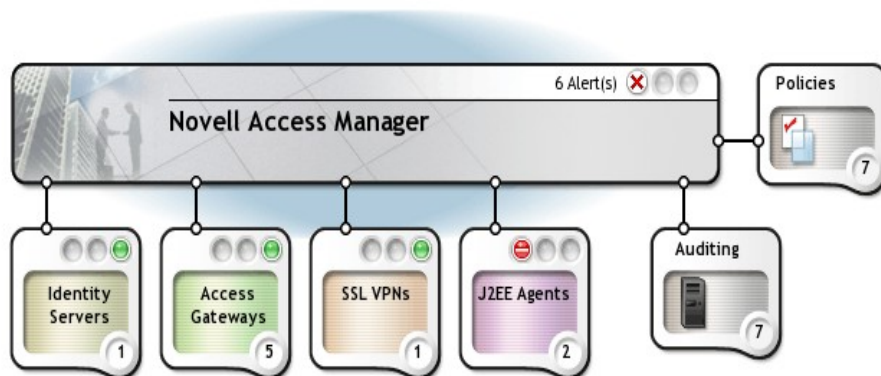
SSLVPN

SSLVPN is a Linux*-based service designed to provide secure access to non-HTTP-based applications. It shares session information with the Access Gateway, enabling single sign-on to the SSLVPN service, and role-based authorization to back-end applications. The SSLVPN supports client integrity checking, to ensure that corporate required software, such as firewalls and virus scanners, are enabled before access is granted.

Policy Engine

Formerly constrained for use in only a few components, the Access Manager policy engine is now ubiquitous. It provides policy-statement resolution for all product components. The policy engine supports the definition of policies in terms of roles, if desired.

Management Interface



This graphic illustrates the Novell Access Manager administration interface. The interface provides a central place to configure and manage all product components and policies. It also groups Access Gateways to allow configuration changes to be pushed to multiple gateways simultaneously. Delegated administration is available for individual devices, agents and policy control.

LEARN MORE NOW

The time to upgrade and enhance your security and the manageability of your Web services is coming soon! Stay up to speed on Novell Access Manager at www.novell.com/accessmanager.

If you would like to contact a Novell sales representative, please e-mail crc@novell.com or call 800 529 3400.