VERSION 1.0

Partner Login Methods

Overview

Novell® Modular Authentication Service (NMAS) 1.0 includes support for a number of login methods from third-party authentication developers. The modules allow users to authenticate to NDS® using multiple and different login methods that have been digitally signed.

The following companies are supplying login methods for NMAS:

- ◆ ActivCard S.A.

- ◆ Arcot Systems, Inc.*

- ◆ Identix Incorporated*

- ◆ RSA* Security Inc.

- ◆ SAFLINK Corporation

- ◆ VASCO Data Security International, Inc.

Each NMAS partner addresses network authentication with unique product features and characteristics. Therefore, each of their login methods will vary in its actual security properties. Novell has not evaluated the security methodologies of these partner products, and while these products may have qualified for the Novell Yes, Tested and Approved or Novell Directory Enabled logos, those logos only relate to general product interoperability. Novell encourages you to carefully investigate each NMAS partner's product features to determine which product will best meet your security needs.

Novell®

ActivCard Module for NMAS

The ActivCard module for NMAS provides a multi-function, smart card-based digital identity solution.

The NMAS 1.0 product includes server software for the ActivCard module. You will need to purchase and install the following from ActivCard or its authorized resellers:

- ◆ **Server snap-in:** ActivPack for NDS is the ActivCard Digital Identity and Card Management Solution for NDS. Used with NMAS, ActivPack enables administrators to manage NDS users, ActivCard Gold smart cards, and the NDS digital certificates and private keys issued on smart cards, directly from the ConsoleOne™ user interface.

- ◆ **Smart card client:** ActivCard Gold (one per user). This includes client software, multi-application smart card, and a smart card reader.

Installation and User Guides are included in the product packages.

For additional product information and technical support, contact your ActivCard Authorized Reseller or ActivCard at the following locations:

ActivCard S.A.
U.S. Corporate Headquarters
6531 Dumbarton Circle
Fremont, CA 94555
U.S.A.
TEL: 1-510-574-0100
FAX: 1-510-574-0101
www.activcard.com
support@activcard.com

ActivCard S.A.
European Corporate Headquarters
24-28 Avenue du General de Gaulle
92150 SURESNES
France
TEL: 33(0).1.42.04.84.00
FAX: 33(0).1.42.04.84.01
support@activcard.fr

ActivCard S.A.
Asian Corporate Headquarters
16 Science Park Drive
#04-03A The Pasteur
Singapore Science Park
Singapore 118227
TEL: 65.7753844
FAX: 65.7753044
support@activcard.com.sg

Arcot Systems for NMAS

Arcot's integration with Novell NMAS uses patented software smart card technology to provide scalable, easy-to-use, mobile and secure solutions for end user authentication and signing to NDS.

Arcot's products are based on digital certificate technology and patent-pending cryptographic camouflage technology, which provides secure protection of credentials in software. This technology provides a strong authentication solution that is secure, scaleable, cost-effective and convenient. Camouflage technology protects a user's digital certificate credentials by concealing the genuine credentials among a collection of fictitious ones.

The Arcot NMAS solution includes client, server, and management software. You will need to purchase and install the Arcot authentication and signing server software. The product is available from Arcot Systems.

For additional product information, go to www.arcot.com or call 1-650-470-8200.

Identix BioLogin for NDS

The Identix BioLogon module for NMAS provides biometric authentication to the network through fingerprint recognition.

The NMAS 1.0 product includes server, client, and management software for the BioLogon module. You will need to purchase approved Identix hardware products.

For additional product information, go to www.identix.com. For technical support, call 1-925-556-6900 ext. 121, Monday through Friday 9 a.m. to 5 p.m. PT. For hardware sales inquiries, contact schase@identicator.com. Technical support via e-mail is also available at itcons@ccnet.com.

RSA ACE/Agent for NMAS

RSA ACE/Agent for NMAS provides two-factor user authentication to NDS. The RSA ACE/Agent for NMAS RSA SecurID* supports hardware tokens and key fobs. The RSA ACE/Agent for NMAS redirects NDS authentication requests to the RSA ACE/Server*.

The NMAS 1.0 product includes client and management software for the RSA ACE/Agent for NMAS. In addition, you will need to purchase and install the following:

- ◆ RSA SecurID authenticators

- ◆ RSA ACE/Server authentication software

For additional product information or technical support, go to www.rsasecurity.com or call 1-800-SECURID or 1-781-687-7000.

SAFLINK SAF Module for NMAS

The SAF* module provides biometric authentication to NDS utilizing your choice of facial recognition, fingerprint imaging, or voice authentication. NMAS 1.0 includes the server and license manager components of the SAF module and five free user licenses. To implement the software, you will need to download the appropriate biometric software plug-in module from the SAFLINK Web site. Additional user licenses may be purchased from SAFLINK or a SAFLINK reseller.

For additional product information, go to www.saflink.com. For technical support, call 1-800-388-4674 (in the U.S.) or 1-813-636-0099 (outside the U.S.). E-mail support is available at support@saflink.com.

VASCO Digipass Module for NMAS

The VASCO Digipass module for NMAS provides token-based authentication to the network.

The NMAS 1.0 product includes server, client, and management software for the VASCO Digipass module. Users will need a Digipass 300 token, available from VASCO Data Security.

For additional product information, go to www.vasco.com. For technical support, call 1-800-810-3660, Monday through Friday 07:00 a.m. to 6:00 p.m. CT. E-mail support is also available at support@vasco.com.