



Check Point User Directory Software Blade

Leverage LDAP to obtain and authenticate network user information

Security Management

User Directory Software Blade

The Check Point User Directory Software Blade leverages the LDAP (Lightweight Directory Access Protocol) protocol to authenticate and obtain information about network users from central repositories, thus eliminating the risks associated with manually maintaining and synchronizing disparate data stores, and enabling centralized user management throughout the enterprise.

LDAP is a set of open network protocols used to access centrally stored information that is organized in a hierarchical manner in directories in a variety of implementations. Available from large vendors like Microsoft, IBM, Novell and Red Hat, LDAP is also available from free and open source alternatives like OpenLDAP. The User Directory Software Blade integrates with these major LDAP vendor implementations. A customizable Account Unit profile provides the flexibility needed to fit customer modifications to these implementations and to support other LDAP directory stores.

The LDAP protocol supports encrypting data using Secure Sockets Layer (SSL) and Transport Layer Security (TLS) to protect sensitive data from eavesdropping during transport over the network. This is included in the User Directory Software Blade integration.

Check Point recognizes that important data tends to revolve around users. The User Directory Software Blade works with Check Point Software Blades like Mobile Access, Firewall, IPsec VPN and Identity Awareness to build an access control policy based upon users rather than IP addresses and ports. With the Check Point integration, customers can create rules for specified users, groups or Organizational Units (OUs) to combine users, networks gateways and other objects into a single user-based security policy.

PRODUCT FEATURES

- Centralized access to security data
- Integrates enterprise security policy with any LDAP-compliant application
- Automatically includes all necessary user directory security elements
- Supports Microsoft Active Directory and other leading LDAP solutions
- Supports LDAP and LDAP over SSL (LDAPS)
- Supported on Check Point Appliances and open servers
- Fully integrated into Software Blade Architecture

PRODUCT BENEFITS

- Activate centralized user management on any Check Point Security Management server
- Centralized user management throughout the enterprise
- Eliminates risks associated with manually maintaining and synchronizing redundant data
- View, modify and create users, groups via easy-to-use SmartDashboard™ GUI



CHECK POINT USER DIRECTORY SOFTWARE BLADE FEATURES

Leverage LDAP-based User Information Stores

With this Software Blade, Check Point security gateways become full LDAP clients which communicate with LDAP servers to obtain identification and security information about network users. The User Directory Software Blade leverages the flexibility of the LDAP protocol by optionally extending the schema to include firewall user-level security elements. This information is then available not only to Check Point security gateways to enforce enterprise security policy, but to any LDAP-compliant application, enabling centralized user management throughout the enterprise.

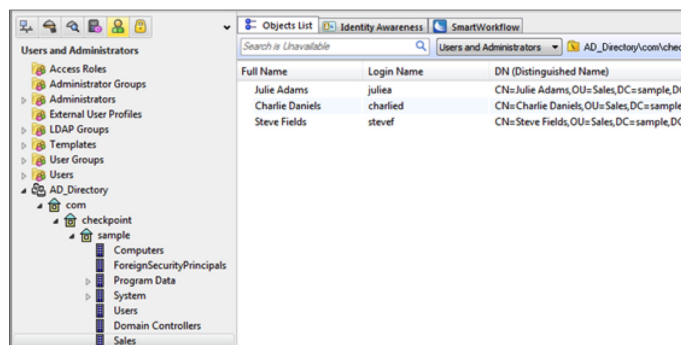
User Directory Profiles

The User Directory profile is a configurable LDAP policy that lets you define more exact User Directory requests and enhances communication with the server. Profiles control most of the LDAP server-specific knowledge. You can manage diverse technical solutions, to integrate LDAP servers from different vendors.

Use User Directory profiles to make sure that the user management attributes of a Security Management are correct for its associated LDAP server. For example, if you have a certified OPSEC User Directory server, apply the OPSEC_DS profile to get enhanced OPSEC-specific attributes.

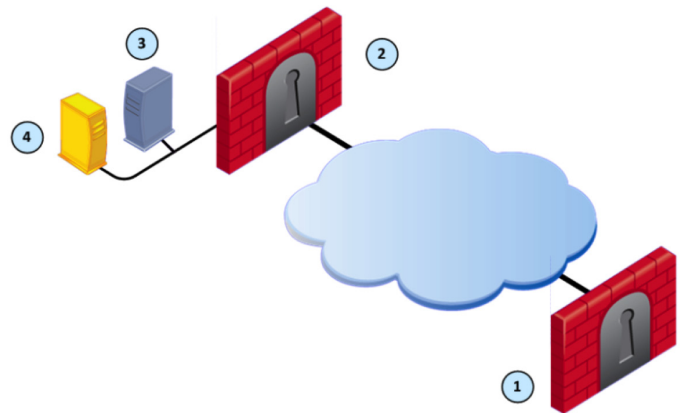
Centralized User Management

The User Directory Software Blade facilitates centralized user management throughout the enterprise by enforcing enterprise security policy on any LDAP-compliant application. With SmartDashboard, an easy-to-use GUI, administrators can view, modify and create users, groups and other objects.



Deploying User Directory

User Directory integrates the Security Management Server and an LDAP server and lets the Security Gateways use the LDAP information.



- 1. Security Gateway**—Retrieves LDAP user information and CRLs
- 2. Security Gateway**—Queries LDAP user information, retrieves CRLs, and does bind operations for authentication
- 3. Security Management Server**—Uses User Directory to manage user information
- 4. LDAP server**—Server that holds one or more Account Units

Support for Microsoft Active Directory

The Check Point User Directory Software Blade supports leading LDAP solutions, including Microsoft Active Directory, Novell and Red Hat.

Fully Integrated into Check Point Software Blade Architecture

The User Directory Software Blade is fully integrated into the Check Point Software Blade Architecture. It can be easily and rapidly activated on existing Check Point security management servers, saving time and reducing costs by leveraging existing security infrastructure.



USER DIRECTORY SOFTWARE BLADE SPECIFICATIONS

Feature	Details
LDAP vendor support	<ul style="list-style-type: none"> Microsoft, Novell, Red Hat, Sun Microsystems, and other OPSEC certified LDAP partners
LDAP Protocols	<ul style="list-style-type: none"> LDAPS and LDAP
Predefined, customizable profiles	<ul style="list-style-type: none"> Microsoft, Novell, Fedora (formerly Netscape)
LDAP group support	<ul style="list-style-type: none"> Static, dynamic and nested groups
Extended schema	<ul style="list-style-type: none"> Check Point extended schema to support password management and other vendor-specific attributes
Redundancy	<ul style="list-style-type: none"> Ability to query multiple LDAP servers and ability to distribute users across multiple LDAP servers
Graphical interface	<ul style="list-style-type: none"> View, modify, and create users, groups, and other objects through an easy-to-use GUI
Internet Protocol Versions	<ul style="list-style-type: none"> IPv6 and IPv4

CONTACT CHECK POINT

Worldwide Headquarters

5 Ha'Solelim Street, Tel Aviv 67897, Israel | Tel: 972-3-753-4555 | Fax: 972-3-624-1100 | Email: info@checkpoint.com

U.S. Headquarters

959 Skyway Road, Suite 300, San Carlos, CA 94070 | Tel: 800-429-4391; 650-628-2000 | Fax: 650-654-4233 | www.checkpoint.com