Integrating Novell eDirectory with FreeRADIUS

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QUICK START

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About This Guide

This guide describes how to quickly integrate Novell® eDirectory™ with FreeRADIUS and configure eDirectory users for RADIUS authentication. This guide is intended for eDirectory and RADIUS administrators and is divided into the following chapters:

- Chapter 1, "Overview," on page 9
- Chapter 2, "Getting Started," on page 11

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Documentation Updates

For the most recent version of the *Integrating Novell eDirectory with FreeRADIUS Quick Start Guide*, visit the Novell Forge site (http://www.novell.com/beta/auth/beta.jsp?id=665&type=2).

Additional Documentation

For documentation on administering the integration of eDirectory with FreeRADIUS, refer to the *Integrating Novell eDirectory with FreeRADIUS Administration Guide* on Novell Forge site (http://www.novell.com/beta/auth/beta.jsp?id=665&type=2).

1 Overview

You can integrate Novell® eDirectory™ 8.7.1 or later with FreeRADIUS 1.0.2 onwards to allow wireless authentication for eDirectory users.

If you are new to FreeRADIUS, refer to the FreeRADIUS site (http://www.freeradius.org) for more information.

By integrating eDirectory with FreeRADIUS, you can do the following:

- Use universal password for RADIUS authentication.

  Universal password provides single login and authentication for eDirectory users. Therefore, the users need not have a separate password for RADIUS and eDirectory authentication.

- Enforce eDirectory account policies for users.

  The existing eDirectory policies on the user accounts can still be applied even after integrating with RADIUS. Also, you can make use of the intruder lockout facility of eDirectory by logging the failed logins into eDirectory.

2 Getting Started

To integrate Novell® eDirectory™ with FreeRADIUS, do the following:

1. Install FreeRADIUS 1.0.2 or later on Red Hat (http://www.novell.com/documentation/edir_radius/radadmin/data/btuadmy.html#btuadmy) and build it with **`configure --with-edir`** option.

   NOTE: Ensure that you meet the prerequisites for installing FreeRADIUS (http://www.novell.com/documentation/edir_radius/radadmin/data/btj0wbz.html).

2. Install FreeRADIUS 1.0.2 or later on SLES (http://www.novell.com/documentation/edir_radius/radadmin/data/btuadmy.html#btuadmy) and download the RPMs for SLES 8 or SLES 9 from the Novell Forge site (http://forge.novell.com/modules/xfcontent/downloads.php/edirfreeradius).

3. Configure the FreeRADIUS server (http://www.novell.com/documentation/edir_radius/radadmin/data/bti2362.html#bti2362) by modifying the *install_path*/etc/raddb/radiusd.conf file:

   NOTE: Ensure that you meet the prerequisites for configuring the FreeRADIUS server (http://www.novell.com/documentation/edir_radius/radadmin/data/bueu7bf.html#bueu7bf).

   3a Modify the LDAP module (http://www.novell.com/documentation/edir_radius/radadmin/data/btvy63d.html#btvy63d) in the configuration file.

   3b Enable the LDAP module in the authorization section (http://www.novell.com/documentation/edir_radius/radadmin/data/bup59kg.html#bup59kg) of the configuration file.

   3c Specify ‘ldap’ in the post-authentication section (http://www.novell.com/documentation/edir_radius/radadmin/data/bulzq4c.html#bulzq4c) of the configuration file.

4. Configure eDirectory users for RADIUS authentication (http://www.novell.com/documentation/edir_radius/radadmin/data/bueu8nb.html) using RADIUS iManager plug-in.

   You can download the iManager plug-in for RADIUS from the Novell Forge site (http://forge.novell.com/modules/xfcontent/file.php/edirfreeradius/radius_npm.tar.gz). Ensure that you meet the prerequisites for configuring eDirectory users for RADIUS authentication (http://www.novell.com/documentation/edir_radius/radadmin/data/btl69uj.html).

   4a Create RADIUS users and modify them to add RADIUS attributes:

   - Create RADIUS users (http://www.novell.com/documentation/edir_radius/radadmin/data/btl5kie.html#btl3syu).
   - Modify RADIUS users (http://www.novell.com/documentation/edir_radius/radadmin/data/btl5kie.html#btl3ur6) to add RADIUS attributes to the user objects.

   OR

   4b Create RADIUS profiles and associate them to RADIUS users:

- Create RADIUS profiles (http://www.novell.com/documentation/edir_radius/radadmin/data/btl5kie.html#btl3wsy).
- Modify RADIUS profiles (http://www.novell.com/documentation/edir_radius/radadmin/data/btl5kie.html#btl3xdu) to add RADIUS attributes to the profiles.
- Create RADIUS users (http://www.novell.com/documentation/edir_radius/radadmin/data/btl5kie.html#btl3syu) and associate RADIUS profiles to users.