

Two factor authentication for WatchGuard XTM and Firebox IPSec

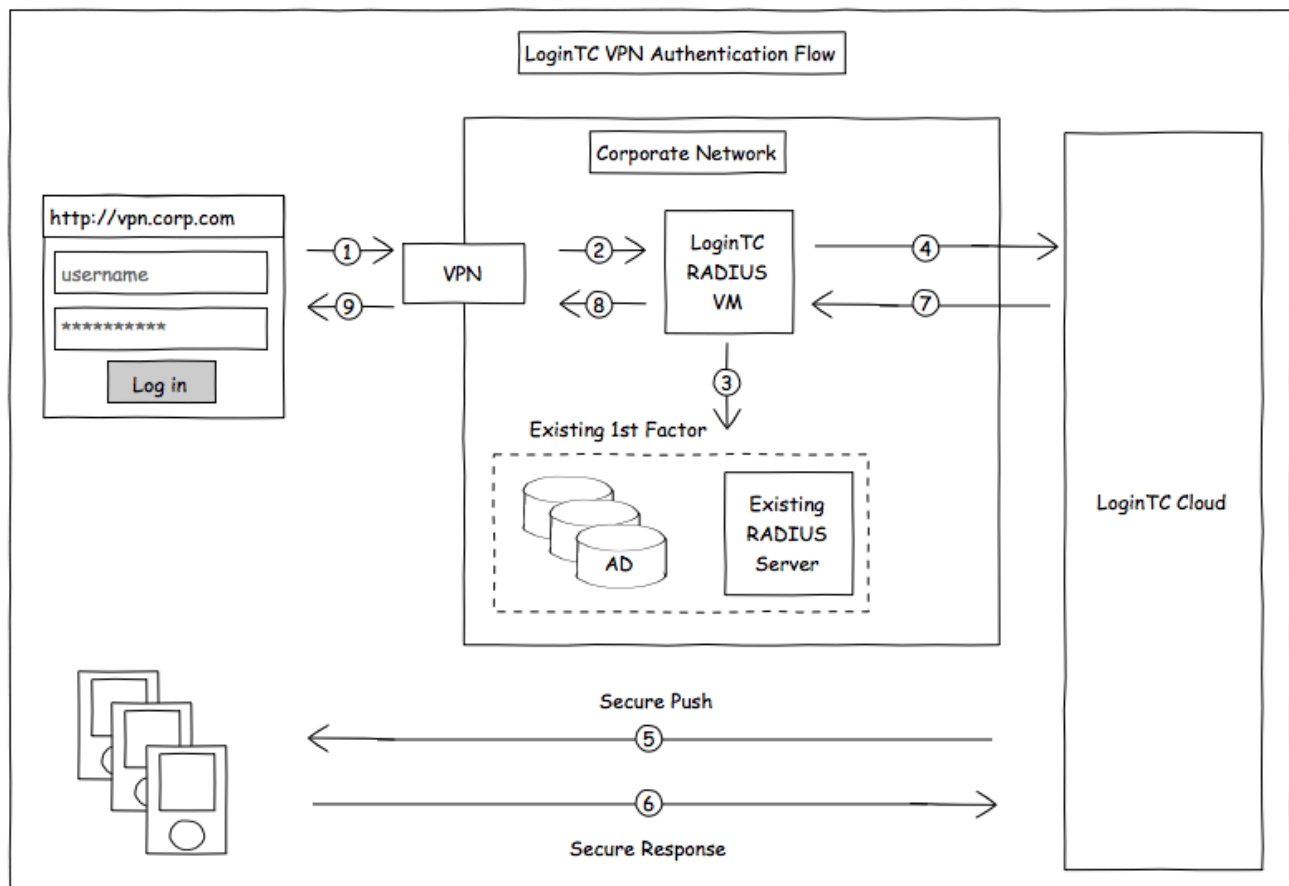
logintc.com/docs/connectors/watchguard-ipsec.html

The LoginTC RADIUS Connector is a complete two-factor authentication virtual machine packaged to run within your corporate network. The LoginTC RADIUS Connector enables the WatchGuard XTM and Firebox VPN (e.g. **Mobile VPN with SSL or IPSec**) to use LoginTC for the most secure two-factor authentication. For instructions using direct authentication then you may be interested in: [Two factor authentication for WatchGuard IPSec](#)

User Experience

After entering the username and password into the Mobile VPN client, the user is presented with an Authentication Message. The user may enter '1' to receive a push notification to their device to approve or enter a valid One-Time Password (OTP).

Architecture / Compatibility



Compatibility

WatchGuard appliance compatibility:

- WatchGuard Firebox T10 Series
- WatchGuard XTM 2 Series
- WatchGuard XTM 3 Series
- WatchGuard XTM 5 Series
- WatchGuard Unified Threat Management (UTM)
- WatchGuard Next-Generation Firewall (NGFW)
- WatchGuard appliance supporting RADIUS authentication

Appliance not listed?

We probably support it. [Contact us](#) if you have any questions.

Compatibility Guide

WatchGuard XTM, Firebox and any other appliance which have configurable RADIUS authentication supported.

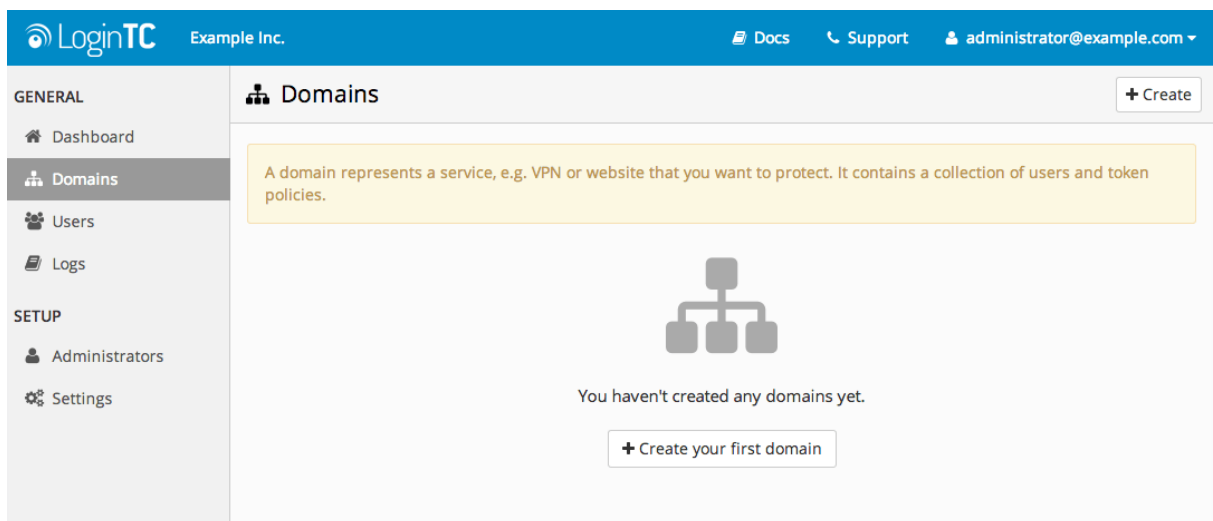
Prerequisites

Before proceeding, please ensure you have the following:

RADIUS Domain Creation

If you have already created a LoginTC domain for your LoginTC RADIUS Connector, then you may skip this section and proceed to [Installation](#).

1. [Log in](#) to LoginTC Admin
2. Click **Domains**:
3. Click **Add Domain**:



4. Enter domain information:

Example Inc.

Docs
Support
administrator@example.com

GENERAL
Dashboard
Domains
Users
Logs
SETUP
Administrators
Settings

Domains / Create Domain
Cancel

Name

The domain name will appear on authentication requests (e.g. Office VPN)

Icon

Default
Custom

The domain icon (e.g. your organization logo) will appear on authentication requests

Connector

RADIUS
API
OpenAM
SiteMinder
Drupal
WordPress
Joomla

RADIUS
Use the RADIUS Connector for your RADIUS appliance

Key Policy

PIN
Passcode

Specify how your users will unlock their token to authenticate

Note: if you are already using passwords for the first factor, we recommend PIN

Create

Name

Choose a name to identify your LoginTC domain to you and your users

Connector

RADIUS

Installation

The LoginTC RADIUS Connector runs CentOS 6.8 with SELinux. A firewall runs with the following open ports:

Port	Protocol	Purpose
22	TCP	SSH access
1812	UDP	RADIUS authentication
1813	UDP	RADIUS accounting
8888	TCP	Web interface
443	TCP	Web interface
80	TCP	Web interface
80	TCP	Package updates (outgoing)

Port	Protocol	Purpose
123	UDP	NTP, Clock synchronization (outgoing)

Note: Username and Password

`logintc-user` is used for SSH and web access. The default password is `logintcradius`. You will be asked to change the default password on first boot of the appliance and will not be able to access the **web interface** unless it is change.

The `logintc-user` has `sudo` privileges.

Configuration

Configuration describes how the appliance will authenticate your RADIUS-speaking device with an optional first factor and LoginTC as a second factor. Each configuration has **4 Sections**:

1. LoginTC

This section describes how the appliance itself authenticates against LoginTC Admin with your LoginTC organization and domain. Only users that are part of your organization and added to the domain configured will be able to authenticate.

2. First Factor

This section describes how the appliance will conduct an optional first factor. Either against an existing LDAP, Active Directory or RADIUS server. If no first factor is selected, then only LoginTC will be used for authentication (since there are 4-digit PIN and Passcode options that unlock the tokens to access your domains, LoginTC-only authentication this still provides two-factor authentication).

3. Passthrough

This section describes whether the appliance will perform a LoginTC challenge for an authenticating user. The default is to challenge all users. However with either a static list or Active Directory / LDAP Group you can control whom gets challenged to facilitate seamless testing and rollout.

4. Client and Encryption

This section describes which RADIUS-speaking device will be connecting to the appliance and whether to encrypt API Key, password and secret parameters.

Data Encryption

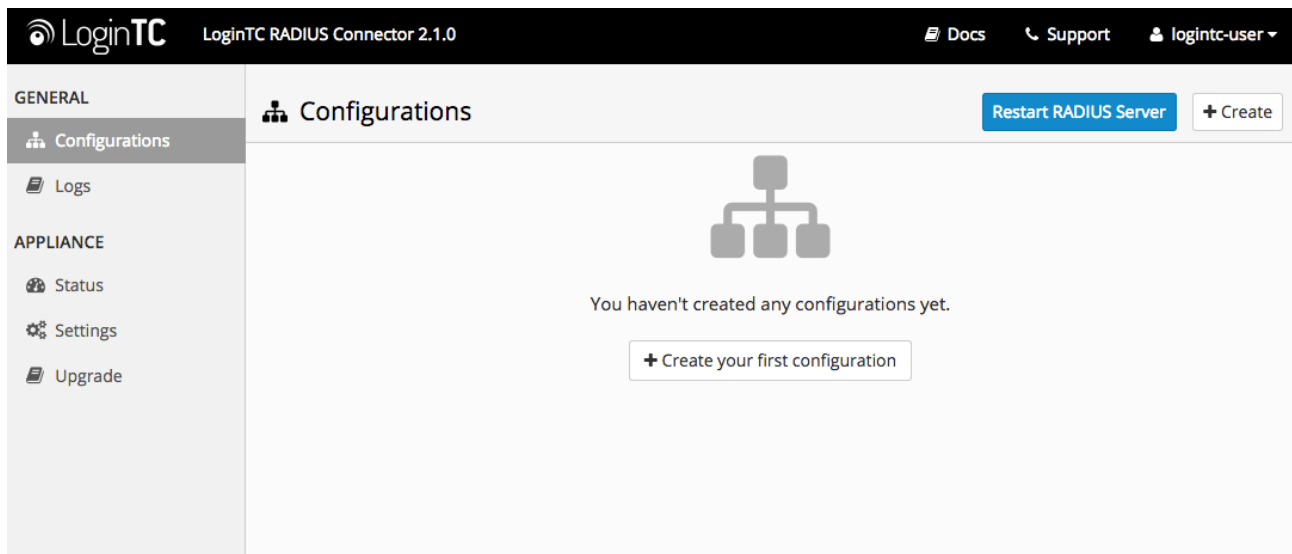
It is strongly recommended to enable encryption of all sensitive fields for both PCI compliance and as a general best practice.

The **web interface** makes setting up a configuration simple and straightforward. Each section has a **Test** feature, which validates each input value and reports all potential errors. Section specific validation simplifies troubleshooting and gets your infrastructure protected correctly faster.

First Configuration

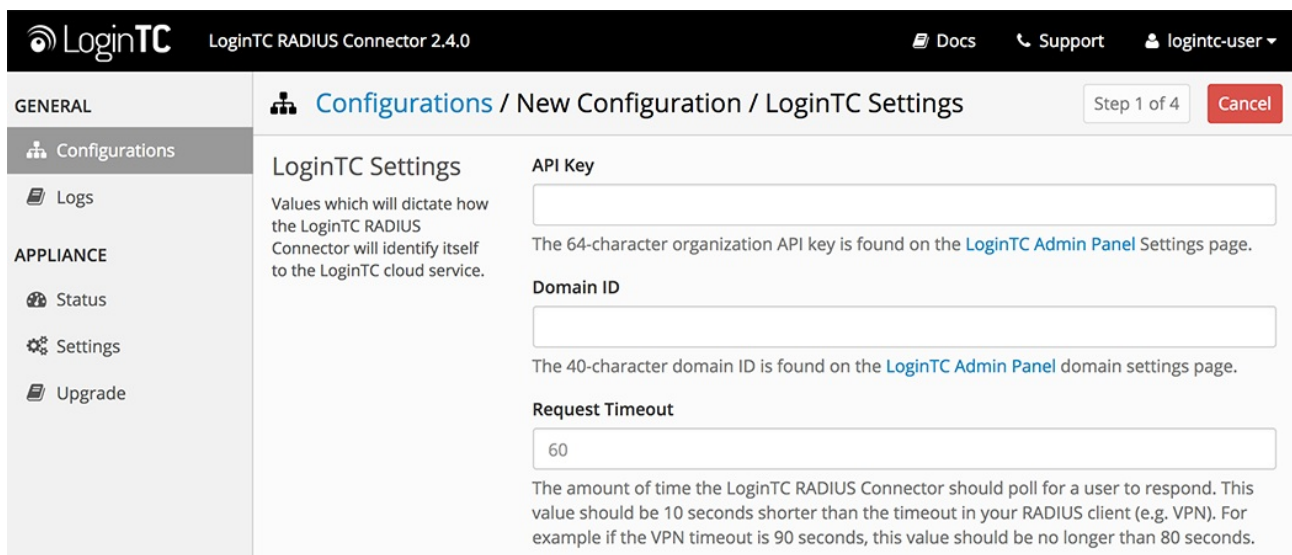
Close the console and navigate to your appliance **web interface** URL. Use username `logintc-user` and the password you set upon initial launch of the appliance. You will now configure the LoginTC RADIUS Connector.

Create a new configuration file by clicking **+ Create your first configuration**:



LoginTC Settings

Configure which LoginTC organization and domain to use:



Configuration values:

Property	Explanation
API Key	The 64-character organization API key
Domain ID	The 40-character domain ID
Request Timeout	Number of seconds that the RADIUS connector will wait for

The API key is found on the LoginTC Admin [Settings](#) page. The Domain ID is found on your domain settings page.

Request Timeout

Make a note of what you set the Request Timeout to as you will need to use a larger timeout value in your WatchGuard. We recommend setting the Request Timeout value to 60 seconds in the LoginTC RADIUS Connector and setting the RADIUS authentication server timeout to 70 seconds in WatchGuard.

Click **Test** to validate the values and then click **Next**:

The screenshot shows the 'New Configuration / LoginTC Settings' page in the LoginTC RADIUS Connector 2.1.0 interface. The page is titled 'LoginTC Settings' and includes a description: 'Values which will dictate how the LoginTC RADIUS Connector will identify itself to the LoginTC cloud service.' There are two input fields: 'API Key' with the value 'vZkDw7l6Z3tApwZjXERseKdR0s5RNNqjMxXIwvxPWWjOa9ojXi9b5tdvPyFsqzwj' and 'Domain ID' with the value '9120580e94f134cb7c9f27cd1e43dbc82980e152'. Below the fields are 'Test' and 'Next' buttons. A green message bar at the bottom states 'Test successful, click Next to continue'.

First Authentication Factor

Configure the first authentication factor to be used in conjunction with LoginTC. You may use Active Directory / LDAP or an existing RADIUS server. You may also opt not to use a first factor, in which case LoginTC will be the only authentication factor.

LoginTC RADIUS Connector 2.1.0

Docs
Support
logintc-user

GENERAL

Configurations
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APPLIANCE

Status
Settings
Upgrade

New Configuration / First Factor

Step 2 of 4

Cancel

First Factor

☒ LDAP
☐ Active Directory
☐ RADIUS
☐ None

Select the first way users will authenticate prior to LoginTC.

Connect to an existing LDAP server for username / password verification.

LDAP Server Details

Host

Host name or IP address of the LDAP server. Examples: ldap.example.com or 192.168.1.42

Port (optional)

389

Port if LDAP server uses non-standard port.

Bind Details

☒ Bind with credentials
☐ Anonymous

Active Directory / LDAP Option

Select **Active Directory** if you have an AD Server. For all other LDAP-speaking directory services, such as OpenDJ or OpenLDAP, select **LDAP**:

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New Configuration / First Factor

Step 2 of 4

Cancel

First Factor

☐ LDAP
☒ Active Directory
☐ RADIUS
☐ None

Select the first way users will authenticate prior to LoginTC.

Connect to an existing Active Directory server for username / password verification.

AD Server Details

Host

Host name or IP address of the LDAP server. Examples: ad.example.com or 192.168.1.42

Port (optional)

389

Port if Active Directory server uses non-standard port.

Bind Details

☒ Bind with credentials
☐ Anonymous

Configuration values:

Property	Explanation	Examples
host	Host or IP address of the LDAP server	ldap.example.com or 192.168.1.42
port (optional)	Port if LDAP server uses non-standard (i.e., 389 / 636)	4000
bind_dn	DN of a user with read access to the directory	cn=admin,dc=example,dc=com
bind_password	The password for the above bind_dn account	password
base_dn	The top-level DN that you wish to query from	dc=example,dc=com

7/34

Property	Explanation	Examples
<code>attr_username</code>	The attribute containing the user's username	<code>sAMAccountName</code> or <code>uid</code>
<code>attr_name</code>	The attribute containing the user's real name	<code>displayName</code> or <code>cn</code>
<code>attr_email</code>	The attribute containing the user's email address	<code>mail</code> or <code>email</code>
Group Attribute (optional)	Specify an additional user group attribute to be returned the authenticating server.	<code>Office VPN</code>
RADIUS Group Attribute (optional)	Name of RADIUS attribute to send back	<code>Filter-Id</code>
LDAP Group / AD Group (optional)	A comma delimited list of the names of possible LDAP groups to be sent back to the authenticating server. The user must be a member of a group for the attribute to be sent back. Groups membership is checked in priority order, if the user is a member of multiple groups the first group matched is returned.	<code>Office VPN</code> or <code>Administrators,Sales,Engineers</code>
encryption (optional)	Encryption mechanism	<code>ssl</code> or <code>startTLS</code>
cacert (optional)	CA certificate file (PEM format)	<code>/opt/logintc/cacert.pem</code>

Group Attribute and Access Control

In order to use Mobile VPN with IPSec, you must properly configure the **Group Attribute** in your RADIUS Connector. WatchGuard devices use the Group Attribute value to set the attribute that carries the User Group information. This information is used for access control.

LDAP Group / AD Group : The name of a group in the LDAP Directory that all authenticating users belong to. The group name must match exactly the Mobile VPN with IPSec group profile name.

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GENERAL

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APPLIANCE

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New Configuration / First Factor

Step 2 of 4 Cancel

Group Attribute (Advanced)

Specify an additional user group attribute to be returned the authenticating server.

☐ None
 ☒ Specify a Group Attribute

RADIUS Group Attribute

Name of RADIUS attribute to send back. For example, for WatchGuard this is the named value of the Group Attribute, e.g. for a Group Attribute value of 11, use: Filter-Id.

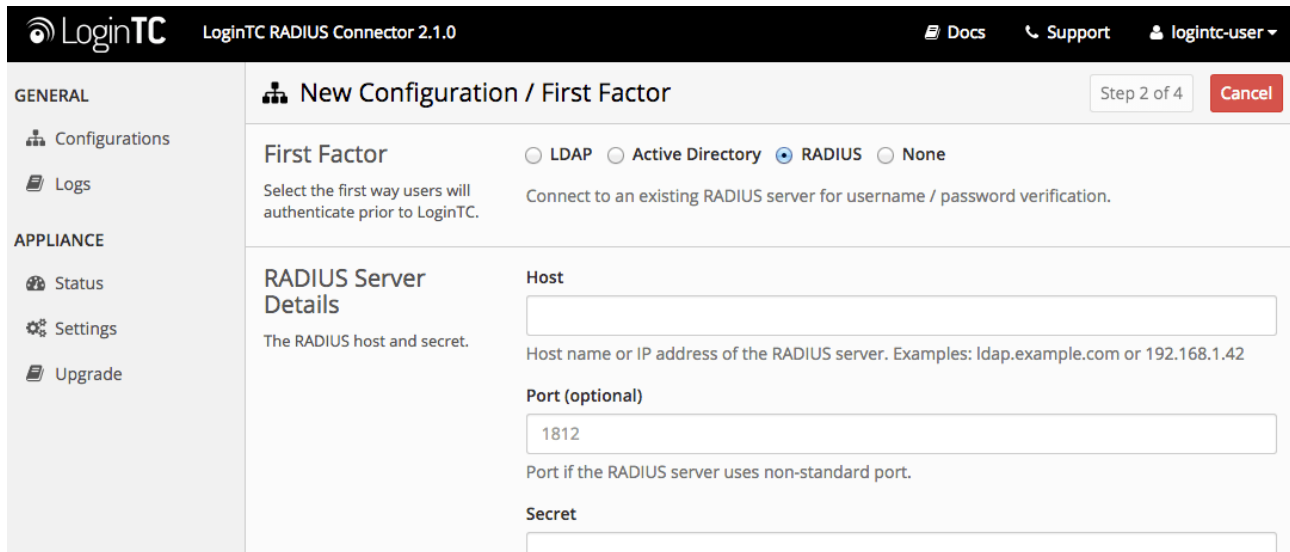
LDAP Group

The name of the LDAP group to be sent back to the authenticating server. The user must be a member of the group for the attribute to be sent back. of Examples: SSLVPN-Users.

Click **Test** to validate the values and then click **Next**.

Existing RADIUS Server Option

If you want to use your existing RADIUS server, select **RADIUS**:



Configuration values:

Property	Explanation	Examples
host	Host or IP address of the RADIUS server	radius.example.com or 192.168.1.43
port (optional)	Port if the RADIUS server uses non-standard (i.e., 1812)	1812
secret	The secret shared between the RADIUS server and the LoginTC RADIUS Connector	testing123

RADIUS Vendor-Specific Attributes

Common Vendor-Specific Attributes (VSAs) found in the FreeRADIUS dictionary files will be relayed.

Click **Test** to validate the values and then click **Next**.

Passthrough

Configure which users will be challenged with LoginTC. This allows you to control how LoginTC will be phased in for your users. This flexibility allows for seamless testing and roll out.

For example, with smaller or proof of concept deployments select the Static List option. Users on the static list will be challenged with LoginTC, while those not on the list will only be challenged with the configured First Authentication Factor. That means you will be able to test LoginTC without affecting existing users accessing your VPN.

For larger deployments you can elect to use the Active Directory or LDAP Group option. Only users part of a particular LDAP or Active Directory Group will be challenged with LoginTC. As your users are migrating to LoginTC your LDAP and Active Directory group policy will ensure that they will be challenged with LoginTC. Users not part of the group will only be challenged with the configured First Authentication Factor.

No Passthrough (default)

Select this option if you wish every user to be challenged with LoginTC.

The screenshot shows the 'New Configuration / Passthrough' screen in the LoginTC interface. The left sidebar has a 'GENERAL' section with 'Configurations' and 'Logs' links, and an 'APPLIANCE' section with 'Status', 'Settings', and 'Upgrade' links. The main content area is titled 'New Configuration / Passthrough' and shows 'Step 3 of 4' with a 'Cancel' button. Under the 'Passthrough' heading, four radio buttons are present: 'No Passthrough' (selected), 'Static List', 'LDAP Group', and 'Active Directory Group'. Below the radio buttons, a text box explains: 'Configure list of users which will not be challenged by LoginTC. All authentications will be challenged with LoginTC. This can be configured at anytime.' A green 'Next' button is located at the bottom of the main content area.

Static List

Select this option if you wish to have a static list of users that will be challenged with LoginTC. Good for small number of users.


The screenshot shows the 'New Configuration / Passthrough' screen in the LoginTC interface, with the 'Static List' option selected. The layout is similar to the previous screenshot, but the 'Static List' radio button is now selected. Below the radio buttons, a text box explains: 'Store static list of users that will be challenged with LoginTC. Good for small number of users.' Under the 'Static List' heading, a text box explains: 'Only users in this list will be challenged with LoginTC. All other users will be challenged with configured first factor only.' To the right of this text box is a large, empty text area labeled 'LoginTC challenge users' for entering a list of usernames.

LoginTC challenge users: a new line separated list of usernames. For example:

jane.doe
jane.smith
john.doe
john.smith

Active Directory / LDAP Group

Select this option if you wish to have only users part of a particular Active Directory or LDAP group to be challenged with LoginTC. Good for medium and large number of users.

 LoginTC RADIUS Connector 2.1.0

[Docs](#) [Support](#) [logintc-user](#)

GENERAL

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New Configuration / Passthrough

Step 3 of 4

Cancel

Passthrough

Configure list of users which will not be challenged by LoginTC.

☐ No Passthrough ☐ Static List ☐ LDAP Group ☒ Active Directory Group

Connect to an existing Active Directory server for group membership verification. Good for large number of users.

Auth Groups

Only users which are members of one or more of the specified groups will be challenged with LoginTC. All other users will be challenged with configured first factor only.

LoginTC challenge Auth Groups

Comma separated list of groups membership for which users will be challenged with LoginTC.
Example: logintc_users, operations

AD Server Details

The Active Directory host and port information.

Host

Configuration values:

Property	Explanation	Examples
LoginTC challenge auth groups	Comma separated list of groups for which users will be challenged with LoginTC	Office VPN or two-factor-users
host	Host or IP address of the LDAP server	ldap.example.com or 192.168.1.42
port (optional)	Port if LDAP server uses non-standard (i.e., 389 / 636)	4000
bind_dn	DN of a user with read access to the directory	cn=admin,dc=example,dc=com
bind_password	The password for the above bind_dn account	password
base_dn	The top-level DN that you wish to query from	dc=example,dc=com
attr_username	The attribute containing the user's username	sAMAccountName or uid
attr_name	The attribute containing the user's real name	displayName or cn
attr_email	The attribute containing the user's email address	mail or email

Property	Explanation	Examples
<code>encryption</code> (optional)	Encryption mechanism	<code>ssl</code> or <code>startTLS</code>
<code>cacert</code> (optional)	CA certificate file (PEM format)	<code>/opt/logintc/cacert.pem</code>

Configuration Simplified

If Active Directory / LDAP Option was selected in First Authentication Factor the non-sensitive values will be pre-populated to avoid retyping and potential typos.

Click **Test** to validate the values and then click **Next**.

Client and Encryption

Configure RADIUS client (e.g. your RADIUS-speaking VPN):

Client configuration values:

Property	Explanation	Examples
<code>name</code>	A unique identifier of your RADIUS client	<code>CorporateVPN</code>
<code>ip</code>	The IP address of your RADIUS client (e.g. your RADIUS-speaking VPN)	<code>192.168.1.44</code>
<code>secret</code>	The secret shared between the LoginTC RADIUS Connector and its client	<code>bigsecret</code>

Under Authentication Mode select **Challenge**

GENERAL

Configurations / New Configuration / Client and Encryption Step 4 of 4 Cancel

Configurations

Logs

APPLIANCE

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Authentication Mode

How the LoginTC RADIUS Connector will perform the second factor.

☐ Direct ☐ Iframe ☒ Challenge

The user will be prompted on how they wish to proceed with second-factor authentication (e.g. LoginTC Push, OTP, bypass code). Your RADIUS client must support RADIUS challenges to use this. Challenging the user will often result in a better user experience.

Challenge Message

Press 1 to authenticate with the LoginTC app or enter an OTP or bypass code.

The message that will appear to the user for the challenge. Note that the user must enter **1** for a LoginTC Push, or must enter an OTP or bypass code.

Encryption

Determine whether to store passwords and API keys encrypted or in the clear

☒ Encrypt all passwords and API keys

It is strongly recommended to encrypt all sensitive fields.

The user will be prompted on how they wish to proceed with second-factor authentication (e.g. LoginTC Push, OTP, bypass code). Your RADIUS client must support RADIUS challenges to use this. Challenging the user will often result in a better user experience. See [User Experience](#) for more information.

Data Encryption

It is strongly recommended to enable encryption of all sensitive fields for both PCI compliance and as a general best practice.

Click **Test** to validate the values and then click **Save**.

GENERAL

Configurations Restart RADIUS Server + Create

Logs

APPLIANCE

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Settings

Upgrade

Configuration office-vpn-1 created

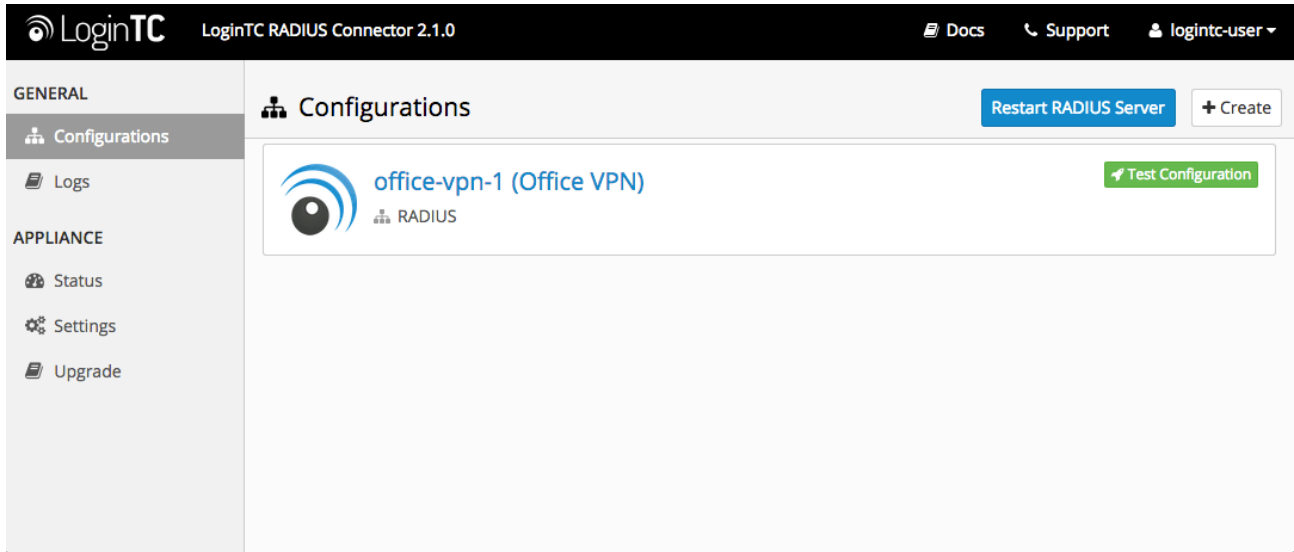
office-vpn-1 (Office VPN) Test Configuration

RADIUS

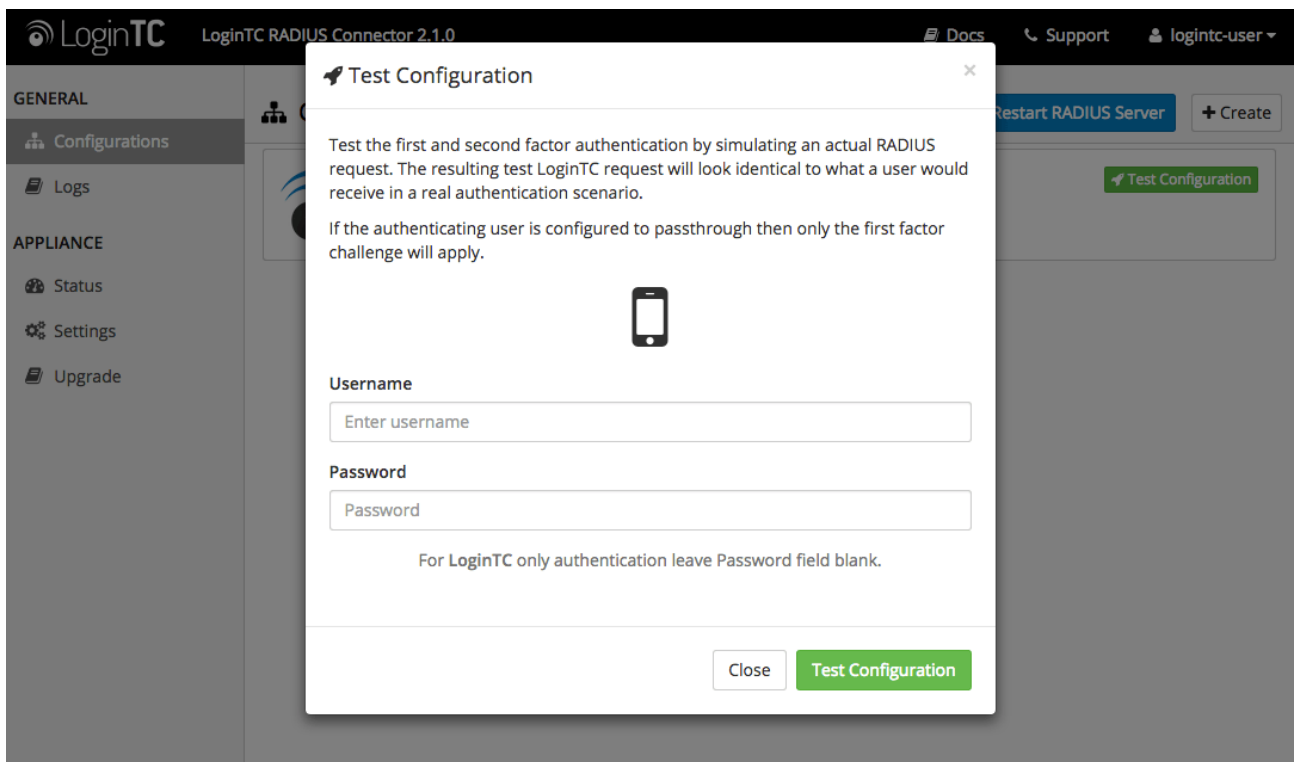
Testing (Connector)

When you are ready to test your configuration, create a LoginTC user (if you haven't already done so). The username should match your existing user. Provision a token by following the steps:

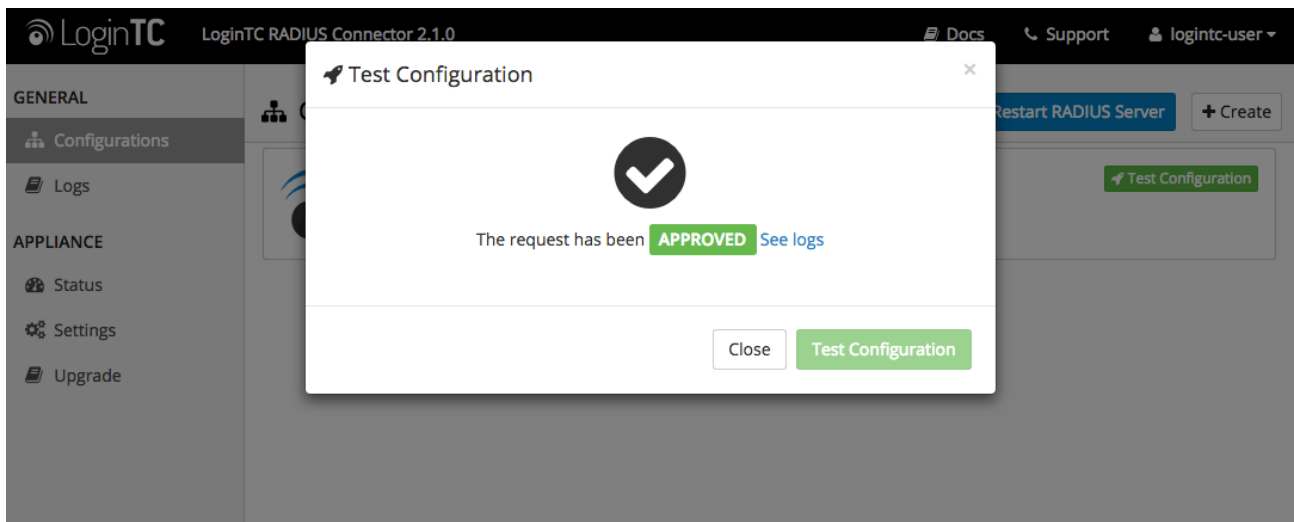
When you have loaded a token for your new user and domain, navigate to your appliance **web interface URL**:



Click **Test Configuration**:

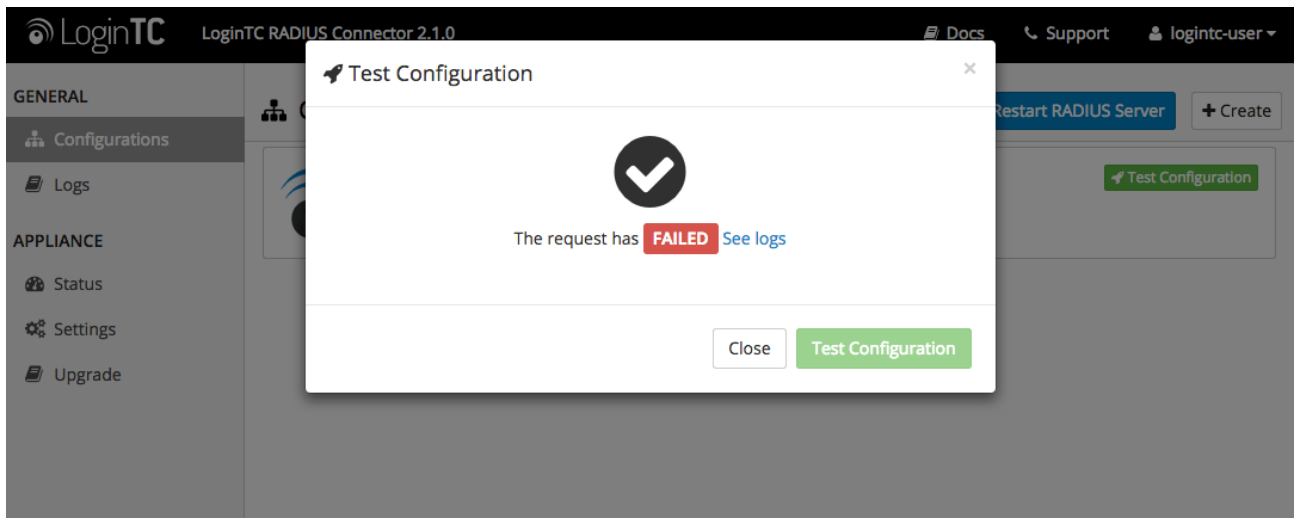


Enter a valid username and password; if there is no password leave it blank. A simulated authentication request will be sent to the mobile or desktop device with the user token loaded. Approve the request to continue:

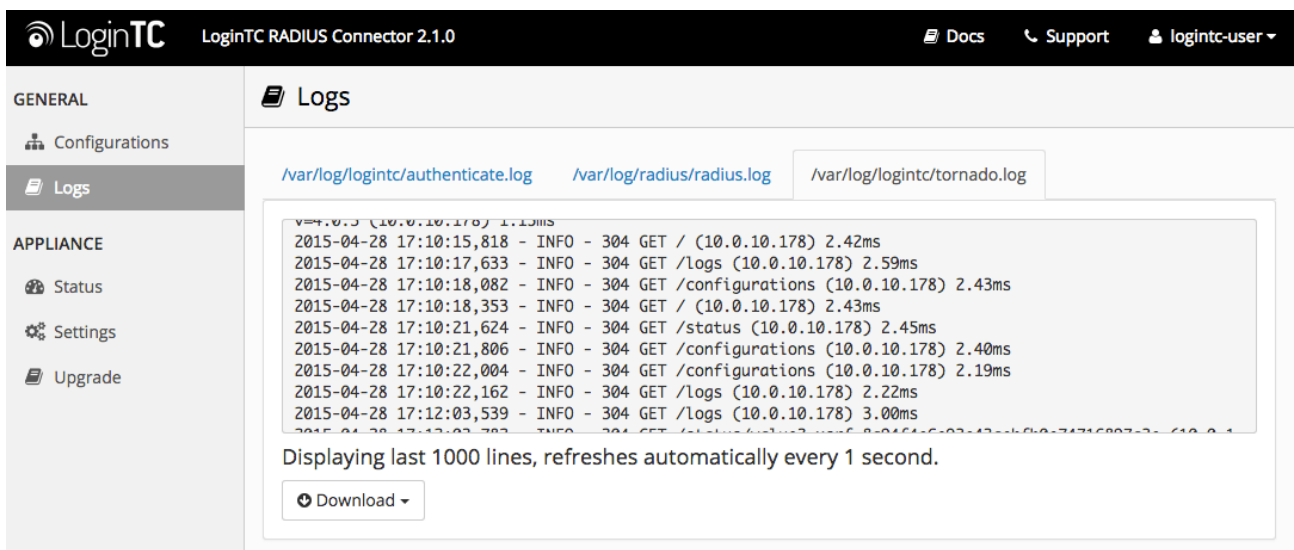


Congratulations! Your appliance can successfully broker first and second factor authentication. The only remaining step is to configure your RADIUS device!

If there was an error during testing, the following will appear:



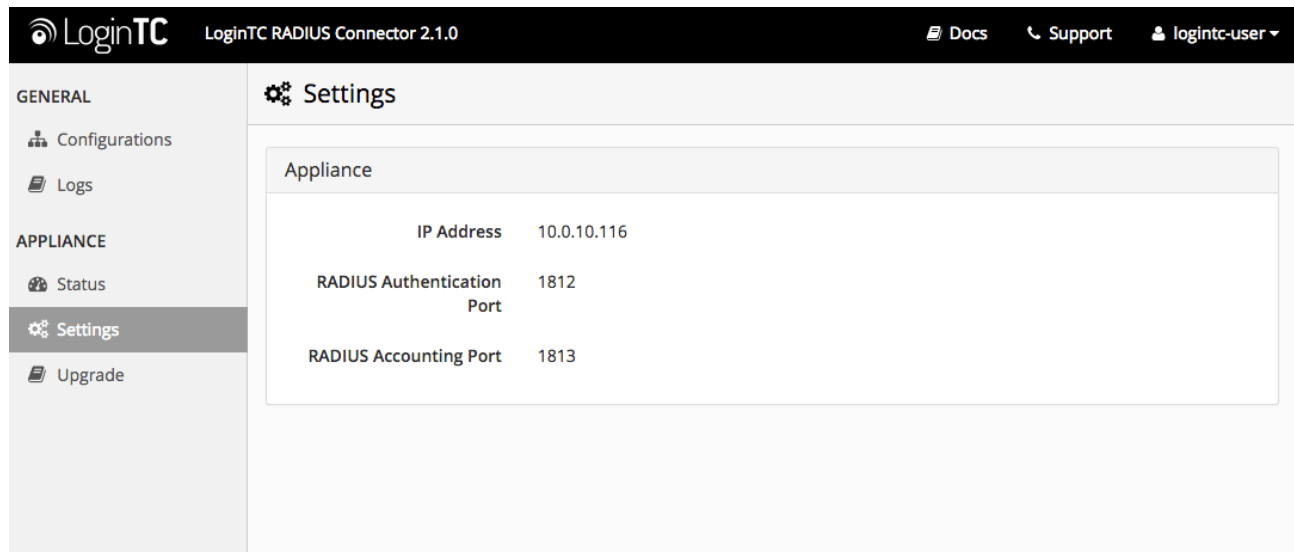
In this case, click **See logs** and then click the `/var/log/logintc/authenticate.log` tab to view the log file and troubleshoot:



WatchGuard - Quick Config Guide

Once you are satisfied with your setup, configure your WatchGuard to use the LoginTC RADIUS Connector.

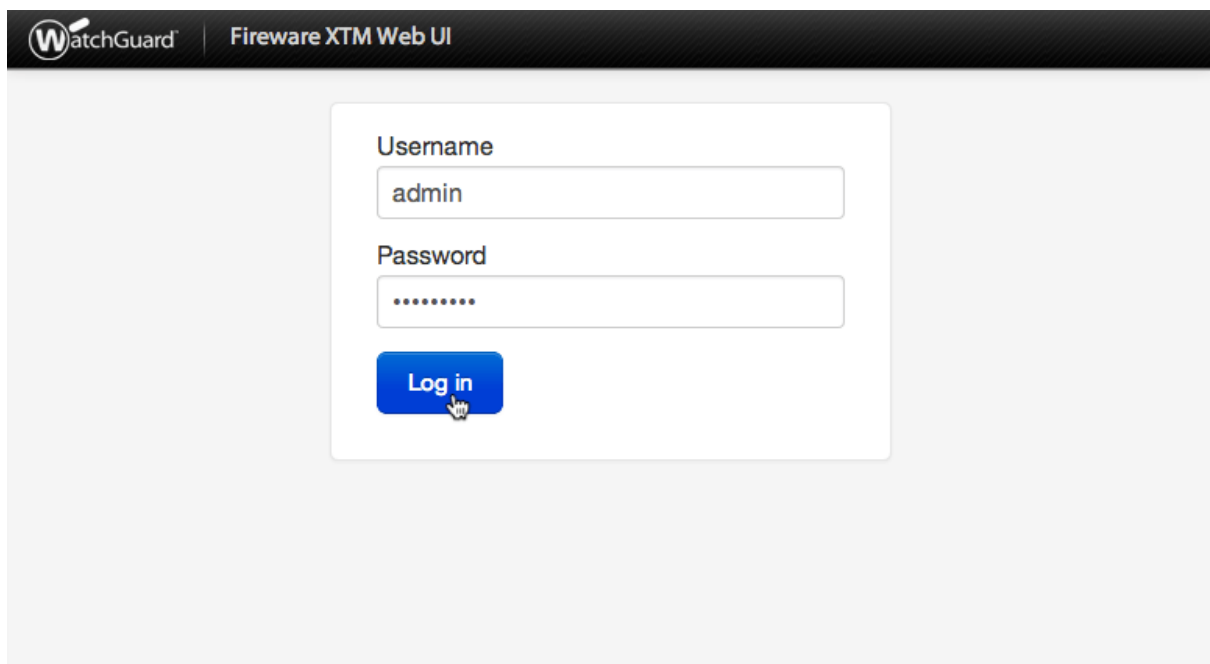
For your reference, the appliance **web interface Settings** page displays the appliance IP address and RADIUS ports:



The following are quick steps to get VPN access protected with LoginTC. The instructions can be used for existing setups as well. Although these were performed on WatchGuard Firewall XTM Web UI, the same is true for other devices in the XTM series.

Mobile VPN with IPsec

1. Log in to your WatchGuard (Fireware XTM Web UI)



2. Click **Authentication**:

Fireware XTM Web UI

User: admin | Help | Logout

DASHBOARD
[Front Panel](#)
[Subscription Services](#)
[FireWatch](#)
[Interfaces](#)
[Traffic Monitor](#)
[Gateway Wireless Controller](#)
SYSTEM STATUS
NETWORK
FIREWALL
SUBSCRIPTION SERVICES
AUTHENTICATION
VPN
SYSTEM

Front Panel

Name	Rate	Bytes	Hits
10.0.1.5	150 Kbps	341 KB	17
10.0.10.178	13 Kbps	1 KB	1

Name	Rate	Bytes	Hits
23.60.247.88	109 Kbps	142 KB	6
173.194.43.111	19 Kbps	113 KB	1
10.0.10.183	13 Kbps	1 KB	1
23.61.177.207	7 Kbps	9 KB	1
184.150.152.18	6 Kbps	52 KB	2
63.140.54.90	3 Kbps	3 KB	1

System
Name **XTMv**
Model **XTMv**
Version **11.8.B432340**
Serial Number **V1C5000000000**
System Time **12:48 US/Eastern**
System Date **2013-12-13**
Uptime **0 days 00:14**
Log Server **Disabled**

Reboot

Last 20 Minutes

External Bandwidth

3. Under **Authentication** click **Servers**:

Fireware XTM Web UI

User: admin | Help | Logout

DASHBOARD
[Front Panel](#)
[Subscription Services](#)
[FireWatch](#)
[Interfaces](#)
[Traffic Monitor](#)
[Gateway Wireless Controller](#)
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NETWORK
FIREWALL
SUBSCRIPTION SERVICES
AUTHENTICATION
[Hotspot](#)
[Servers](#)
[Settings](#)
[Users and Groups](#)
[Web Server Certificate](#)
[Single Sign-On](#)
[Terminal Services](#)
VPN
SYSTEM

Front Panel

Name	Rate	Bytes	Hits
10.0.10.178	13 Kbps	1 KB	1
10.0.1.5	4 Kbps	58 KB	3

Name	Rate	Bytes	Hits
10.0.10.183	13 Kbps	1 KB	1
184.150.152.18	2 Kbps	48 KB	1
66.196.113.5	1 Kbps	4 KB	1
173.192.82.194	208 bps	6 KB	1

Name	Rate	Bytes	Hits
------	------	-------	------

System
Name **XTMv**
Model **XTMv**
Version **11.8.B432340**
Serial Number **V1C5000000000**
System Time **12:50 US/Eastern**
System Date **2013-12-13**
Uptime **0 days 00:16**
Log Server **Disabled**

Reboot

Last 20 Minutes

External Bandwidth

4. Under **Authentication Servers** click **RADIUS**:

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Fireware XTM Web UI
User: admin | Help | Logout

DASHBOARD
SYSTEM STATUS
NETWORK
FIREWALL
SUBSCRIPTION SERVICES
AUTHENTICATION
[Hotspot](#)
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[Settings](#)
[Users and Groups](#)
[Web Server Certificate](#)
[Single Sign-On](#)
[Terminal Services](#)
VPN
SYSTEM

Servers

Authentication Servers

Server	Status
Firebox	0 Users 0 Groups
RADIUS	Primary Disabled
	Secondary Disabled
SecurID	Primary Disabled
	Secondary Disabled
LDAP	Primary Disabled
	Secondary Disabled
Active Directory	0 domains

- Under **Primary Server Settings** click **Enable RADIUS Server**:

Fireware XTM Web UI
User: admin | Help | Logout

Servers / RADIUS

Before you configure your XTM device to use a RADIUS authentication server, make sure the server can successfully accept and process RADIUS authentication requests.

Primary Server Settings

☒ Enable RADIUS Server

IP Address

Port

1812

Passphrase

Confirm

Timeout

5

seconds

Retries

3

- Complete **Primary Server Settings** form:

FIREWALL

SUBSCRIPTION SERVICES

AUTHENTICATION

Hotspot

Servers

Settings

Users and Groups

Web Server Certificate

Single Sign-On

Terminal Services

VPN

SYSTEM

successfully accept and process RADIUS authentication requests.

Primary Server Settings

☒ Enable RADIUS Server

IP Address

Port

Passphrase

Confirm

Timeout seconds

Retries

Group Attribute

Dead Time

Secondary Server Settings

Property	Explanation	Example
IP Address	Address of LoginTC RADIUS Connector	10.0.10.130
Port	RADIUS authentication port. Must be 1812.	1812
Passphrase	The secret shared between the LoginTC RADIUS Connector and its client	bigsecret
Confirm	The secret shared between the LoginTC RADIUS Connector and its client	bigsecret
Timeout	Amount of time in seconds to wait. At least 90s.	90
Retries	Amount of times to retry authentication. Must be 1.	1
Group Attribute	RADIUS Attribute to be populated with user group info. Must be 11 when using SSL.	11
Dead Time	Amount of time an unresponsive RADIUS server is marked as inactive	10

Group Attribute and Access Control

WatchGuard devices can use the **Group Attribute** value to set the attribute that carries the User Group information. This information is used for access control by certain VPN protocols.

If you are using multiple VPN protocols (such as SSL) then you may need to set the value to match their requirements.

- Click **VPN**:

Fireware XTM Web UI

User: admin
Help
Logout

DASHBOARD
SYSTEM STATUS
NETWORK
FIREWALL
SUBSCRIPTION SERVICES
AUTHENTICATION
Hotspot
Servers
Settings
Users and Groups
Web Server Certificate
Single Sign-On
Terminal Services
VPN
SYSTEM

Servers

Authentication Servers

Server	Status	
Firebox	0 Users	0 Groups
RADIUS	Primary	10.0.10.130
	Secondary	Disabled
SecurID	Primary	Disabled
	Secondary	Disabled
LDAP	Primary	Disabled
	Secondary	Disabled
Active Directory	0 domains	

- Under **VPN** click **Mobile VPN with IPsec**

Fireware XTM Web UI

User: admin
Help
Logout

DASHBOARD
SYSTEM STATUS
NETWORK
FIREWALL
SUBSCRIPTION SERVICES
AUTHENTICATION
VPN
Branch Office VPN
BOVPN Virtual Interfaces
Phase2 Proposals
Mobile VPN with IPsec
Mobile VPN with PPTP
Mobile VPN with SSL
Mobile VPN with L2TP
Global Settings
SYSTEM

Servers

Authentication Servers

Server	Status	
Firebox	0 Users	2 Groups
RADIUS	Primary	10.0.10.83
	Secondary	Disabled
SecurID	Primary	Disabled
	Secondary	Disabled
LDAP	Primary	Disabled
	Secondary	Disabled

- Click **Add** to create a new group. Note that the name of the group does not have to match any of the groups names in the LDAP Directory

Fireware XTM Web UI

User: admin | Help | Logout

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Global Settings
SYSTEM

Mobile VPN with IPSec

Groups

Name	Authentication Ser	Allowed Access	Virtual IP Pool	IPSec Settings
<div>Add Edit Remove</div>				

Configuration File Generation

To generate a mobile VPN client configuration file, select a mobile user group from the list above, then select a VPN client and click Generate.

The Shrew Soft VPN client does not support all WatchGuard Mobile VPN with IPSec configuration settings. For a list of settings not supported by the Shrew Soft VPN client, click Help.

Client

WatchGuard Mobile VPN

Generate

Global Settings

☐
Make security policies read-only in the WatchGuard Mobile VPN client

10. In **General Settings**, complete the form and select **RADIUS** as the authentication server.

Fireware XTM Web UI

User: admin | Help | Logout

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Global Settings
SYSTEM

Mobile VPN with IPSec / Add

Name

Office VPN

General IPSec Tunnel Resources Advanced

General Settings

Authentication Server

RADIUS

Passphrase

Passphrase

Confirm

Firebox IP Addresses

Property	Explanation	Example
Name	A unique name for this group configuration. This name must match exactly the LDAP / AD group name configured in First Factor authentication Group Attribute (advanced).	Office VPN
Authentication Server	The type of device that users of this group will be authenticated with.	Radius
Passphrase	The secret shared between the Mobile VPN client and the RADIUS server. The secret must be provided to all IPsec users.	sharedsecret
Confirm	The secret shared between the Mobile VPN client and the RADIUS server.	sharedsecret
Primary	Primary IP address or domain name Firebox users connect to.	10.0.10.130

Property	Explanation	Example
Backup (optional)	Secondary IP address or domain name Firebox users connect to.	10.0.10.131

Mobile VPN with IPsec group profile name

In order to use Mobile VPN with IPsec, the Mobile VPN with IPsec group profile name must match exactly the LDAP / AD group name configured in First Factor authentication Group Attribute (advanced).

- Fill out the forms under the **IPsec Tunnel**, **Resources**, and **Advanced** tabs to match the settings of your client. For more information about IPsec client configurations, check the [WatchGuard Documentation](#)

WatchGuard Fireware XTM Web UI User: admin | Help | Logout

Mobile VPN with IPsec / Add

Name: Office VPN

General **IPsec Tunnel** Resources Advanced

General Settings

Authentication Server: RADIUS

Passphrase

Passphrase: [Redacted]

Confirm: [Redacted]

Firebox IP Addresses

- Click **Save**

Timeouts

If the session and idle timeouts are configured on your authentication server, they will take precedence over these settings

Session Timeout: 480 minutes

Idle Timeout: 30 minutes

Save Cancel

You are now ready to test your configuration.

To test IPsec connections, use an IPsec VPN client such as the WatchGuard Mobile Application.

User Management

There are several options for managing your users within LoginTC:

Failover

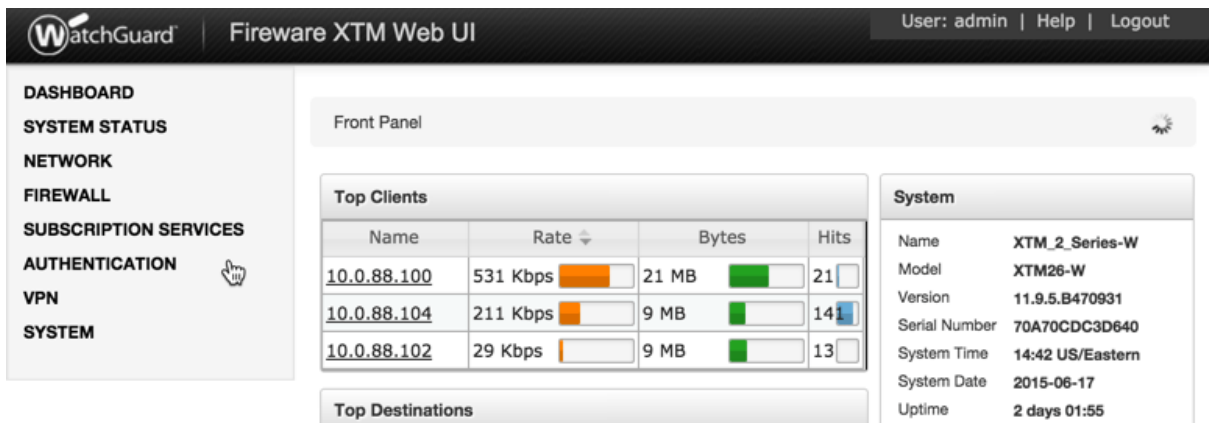
WatchGuard devices have built-in settings that make it easy to configure a secondary RADIUS server to provide failover.

After three authentication attempts fail, Fireware XTM uses the secondary RADIUS server for the next authentication attempt. If the secondary server also fails to respond after three authentication attempts, Fireware XTM waits for the **Dead Time** interval (10 minutes by default) to elapse. After the Dead Time interval has elapsed, Fireware XTM tries to use the primary RADIUS server again.

— [WatchGuard System Manager Help](#)

To set up another RADIUS server, deploy the downloaded LoginTC Connector again (you can deploy it multiple times) and configure it using the same settings as the first one. [Click here](#) to review the Connector configuration process. Afterwards, login to your **WatchGuard Web UI** and make the following changes:

1. Select **Authentication** from the left-hand navigation bar



The screenshot shows the WatchGuard Fireware XTM Web UI. The left-hand navigation bar has the following items: DASHBOARD, SYSTEM STATUS, NETWORK, FIREWALL, SUBSCRIPTION SERVICES, AUTHENTICATION (selected with a mouse cursor), VPN, and SYSTEM. The main content area is titled "Front Panel" and contains two panels. The "Top Clients" panel shows a table with the following data:

Name	Rate	Bytes	Hits
10.0.88.100	531 Kbps	21 MB	21
10.0.88.104	211 Kbps	9 MB	14
10.0.88.102	29 Kbps	9 MB	13

The "System" panel shows the following information:

System	
Name	XTM_2_Series-W
Model	XTM26-W
Version	11.9.5.B470931
Serial Number	70A70CDC3D640
System Time	14:42 US/Eastern
System Date	2015-06-17
Uptime	2 days 01:55

2. Click **Servers**

Fireware XTM Web UI

User: admin | Help | Logout

DASHBOARD
SYSTEM STATUS
NETWORK
FIREWALL
SUBSCRIPTION SERVICES
AUTHENTICATION
Hotspot
Servers
Settings
Users and Groups
Web Server Certificate
Single Sign-On
Terminal Services
Authentication Portal
VPN
SYSTEM

Front Panel

Top Clients

Name	Rate	Bytes	Hits
10.0.88.100	151 Kbps	3 MB	22
10.0.88.104	105 Kbps	8 MB	118
10.0.88.102	28 Kbps	9 MB	14

Top Destinations

Name	Rate	Bytes	Hits
184.150.152.14	126 Kbps	2 MB	1
74.125.29.101	20 Kbps	646 KB	1
136.146.210.32	19 Kbps	177 KB	2
184.150.152.18	18 Kbps	137 KB	2

System

Name: XTM_2_Series-W
Model: XTM26-W
Version: 11.9.5.B470931
Serial Number: 70A70CDC3D640
System Time: 14:43 US/Eastern
System Date: 2015-06-17
Uptime: 2 days 01:56
Log Server: Disabled

Reboot

Last 20 Minutes

3. Select **RADIUS**

Fireware XTM Web UI

User: admin | Help | Logout

DASHBOARD
SYSTEM STATUS
NETWORK
FIREWALL
SUBSCRIPTION SERVICES
AUTHENTICATION
Hotspot
Servers
Settings
Users and Groups
Web Server Certificate
Single Sign-On
Terminal Services
Authentication Portal
VPN
SYSTEM

Servers

Authentication Servers

Server	Status
Firebox	0 Users 2 Groups
RADIUS	Primary 10.0.10.83
	Secondary Disabled
SecurID	Primary Disabled
	Secondary Disabled
LDAP	Primary Disabled
	Secondary Disabled

4. Check the box to **Enable Secondary RADIUS Server**

Dead Time

24

Hours

Secondary Server Settings

☒ Enable Secondary RADIUS Server

IP Address

Port

1812

Passphrase

Confirm

Timeout

5

seconds

Retries

3

5. Complete the Secondary Server Settings Form using the same settings as the primary one

Secondary Server Settings

☒ Enable Secondary RADIUS Server

IP Address

Port

Passphrase

Confirm

Timeout seconds

Retries

Group Attribute

Dead Time

Save

Cancel

Property	Explanation	Example
IP Address	Address of Secondary LoginTC RADIUS Connector	10.0.10.131
Port	RADIUS authentication port. Must be 1812.	1812
Passphrase	The secret shared between the LoginTC RADIUS Connector and its client	newsecret
Confirm	The secret shared between the LoginTC RADIUS Connector and its client	newsecret
Timeout	Amount of time in seconds to wait. Must be at least 10 seconds longer than the LoginTC Request Timeout.	70
Retries	Amount of times to retry authentication. Must be 1.	1
Group Attribute	RADIUS Attribute to be populated with user group info. Must be 11.	11
Dead Time	Amount of time an unresponsive RADIUS server is marked as inactive before the WatchGuard device attempts to connect to it again	10

6. Click **Save**

Retries

Group Attribute

Dead Time

Save

Cancel

Troubleshooting

User Receives Multiple LoginTC Requests

See the [Knowledge Base](#) articles:

- [My WatchGuard SSL VPN users receive multiple LoginTC requests. What can I do?](#)
- [My WatchGuard IPSec VPN users receive multiple LoginTC requests. What can I do?](#)

Authentication times out

See the [Knowledge Base](#) articles:

- [My WatchGuard SSL VPN users receive multiple LoginTC requests. What can I do?](#)
- [My WatchGuard IPSec VPN users receive multiple LoginTC requests. What can I do?](#)

No Network Connection

1. First ensure that your LoginTC RADIUS Connector is configured to have a virtual network adapter on `eth0`
2. Ensure that the virtual network adapter MAC address matches the one in the file `/etc/sysconfig/network-scripts/ifcfg-eth0`
3. Restart the networking service:

```
service network restart
```

4. If you notice the error that `eth0` is not enabled, then check driver messages for more information:

```
dmesg | grep eth
```

5. It's possible that the virtualization software renamed the network adapter to `eth1`. If this is the case, rename `/etc/sysconfig/network-scripts/ifcfg-eth0` to `ifcfg-eth1`.

```
mv /etc/sysconfig/network-scripts/ifcfg-eth0 /etc/sysconfig/network-scripts/ifcfg-eth1
```

Open the file and update the `DEVICE="eth0"` line to `DEVICE="eth1"`

Not Authenticating

If you are unable to authenticate, navigate to your appliance **web interface** URL and click **Status**:

GENERAL

- Configurations
- Logs

APPLIANCE

- Status**
- Settings
- Upgrade

Status

All status checks have passed.

- ✓ Ping cloud.logintc.com
- ✓ RADIUS Process
- ✓ CPU Usage
- ✓ RAM Usage
- ✓ Disk Usage
- ✓ Version check

Ensure that all the status checks pass. For additional troubleshooting, click **Logs**:

GENERAL

- Configurations
- Logs**

APPLIANCE

- Status
- Settings
- Upgrade

Logs

/var/log/logintc/authenticate.log /var/log/radius/radius.log /var/log/logintc/tornado.log

```

2015-04-28 17:10:15,818 - INFO - 304 GET / (10.0.10.178) 2.42ms
2015-04-28 17:10:17,633 - INFO - 304 GET /logs (10.0.10.178) 2.59ms
2015-04-28 17:10:18,082 - INFO - 304 GET /configurations (10.0.10.178) 2.43ms
2015-04-28 17:10:18,353 - INFO - 304 GET / (10.0.10.178) 2.43ms
2015-04-28 17:10:21,624 - INFO - 304 GET /status (10.0.10.178) 2.45ms
2015-04-28 17:10:21,806 - INFO - 304 GET /configurations (10.0.10.178) 2.40ms
2015-04-28 17:10:22,004 - INFO - 304 GET /configurations (10.0.10.178) 2.19ms
2015-04-28 17:10:22,162 - INFO - 304 GET /logs (10.0.10.178) 2.22ms
2015-04-28 17:12:03,539 - INFO - 304 GET /logs (10.0.10.178) 3.00ms
  
```

Displaying last 1000 lines, refreshes automatically every 1 second.

Download


Unsuccessful authentication may be caused by premature timeouts

If you have activated Mobile VPN with SSL, check that your Group Attributes are configured correctly.

Incorrect Group Settings

If you are using a Mobile VPN protocol such as SSL and are unable to authenticate, check that your Group Attributes are configured correctly. Navigate to your **WatchGuard Web UI** and click **Dashboard** in the left-hand navigation bar:

WatchGuard Fireware XTM Web UI User: admin | Help | Logout

DASHBOARD 

SYSTEM STATUS

NETWORK


FIREWALL










SUBSCRIPTION SERVICES

AUTHENTICATION

VPN

SYSTEM

Front Panel 

Top Clients			
Name	Rate	Bytes	Hits
10.0.88.104	166 Kbps 	11 MB 	64 
10.0.88.100	107 Kbps 	720 KB 	37 
10.0.88.102	73 Kbps 	9 MB 	17 

System	
Name	XTM_2_Series-W
Model	XTM26-W
Version	11.9.5.B470931
Serial Number	70A70CDC3D640
System Time	14:52 US/Eastern
System Date	2015-06-17
Uptime	2 days 02:05
Log Server	Disabled

Click on **Traffic Monitor**:

WatchGuard Fireware XTM Web UI User: admin | Help | Logout


DASHBOARD

Front Panel

Subscription Services

FireWatch

Interfaces

Traffic Monitor 

Gateway Wireless Controller

SYSTEM STATUS

NETWORK


FIREWALL










SUBSCRIPTION SERVICES










AUTHENTICATION

VPN

SYSTEM

Front Panel 

Top Clients			
Name	Rate	Bytes	Hits
10.0.88.104	138 Kbps 	11 MB 	57 
10.0.88.100	61 Kbps 	873 KB 	36 
10.0.88.102	35 Kbps 	10 MB 	14 

Top Destinations			
Name	Rate	Bytes	Hits
184.150.152.15	65 Kbps 	1 MB 	3 
74.125.22.139	53 Kbps 	2 MB 	1 
10.0.10.164	14 Kbps 	11 MB 	2 

System	
Name	XTM_2_Series-W
Model	XTM26-W
Version	11.9.5.B470931
Serial Number	70A70CDC3D640
System Time	14:53 US/Eastern
System Date	2015-06-17
Uptime	2 days 02:06
Log Server	Disabled

Reboot

Select **Diagnostic** from the table header options:

WatchGuard Fireware XTM Web UI User: admin | Help | Logout

DASHBOARD

Front Panel

Subscription Services

FireWatch

Interfaces

Traffic Monitor

Gateway Wireless Controller

SYSTEM STATUS

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SUBSCRIPTION SERVICES

AUTHENTICATION

VPN

SYSTEM

Traffic Monitor 

```

2015-06-17 15:03:23 sessiond sessiond: sessiond WGAPI call
2015-06-17 15:03:23 sessiond sessiond: wgapi: rcvcd cmd=1 '/toSessiond/updateActivity' fromIPC=61236
2015-06-17 15:03:23 sessiond sessiond: get into sess_prcs_status(): xpath=/toSessiond/updateActivity
2015-06-17 15:03:23 sessiond OK! sess update ok, sessId=28
2015-06-17 15:03:26 Deny 10.0.10.176 10.0.10.255 netbios-ns/udp 137 137 0-External Firebox Denied 78
2015-06-17 15:03:32 hostapd ath1: STA 7c:d1:c3:7b:ff:62 IEEE 802.11: authenticated
2015-06-17 15:03:32 hostapd ath1: STA 7c:d1:c3:7b:ff:62 IEEE 802.11: associated (aid 3)
2015-06-17 15:03:32 hostapd ath1: STA 7c:d1:c3:7b:ff:62 WPA: pairwise key handshake completed (RSN)
2015-06-17 15:03:37 Deny 10.0.88.100 255.255.255.255 17500/udp 17500 17500 1-WG-Wireless-Access-
2015-06-17 15:03:39 Deny 10.0.20.30 10.0.10.1 dns/udp 58082 53 0-External Firebox Denied 51 63 (Unha
2015-06-17 15:03:39 Deny 10.0.20.30 10.0.10.1 dns/udp 51650 53 0-External Firebox Denied 65 63 (Unha
2015-06-17 15:03:43iked ***** RECV message on fd_server(7) *****
2015-06-17 15:03:43iked recv CMD XPATH(/ping), need to process it
2015-06-17 15:03:43 sessiond sessiond: sessiond WGAPI call
2015-06-17 15:03:43 sessiond sessiond: wgapi: rcvcd cmd=7 '/ping' fromIPC=784335663 serial=70A70CD
2015-06-17 15:03:46 Deny 10.0.10.176 10.0.10.8 2054/udp 54312 2054 0-External Firebox Denied 56 128
  
```

If you can find the following error message then there is a problem with your Group Attribute

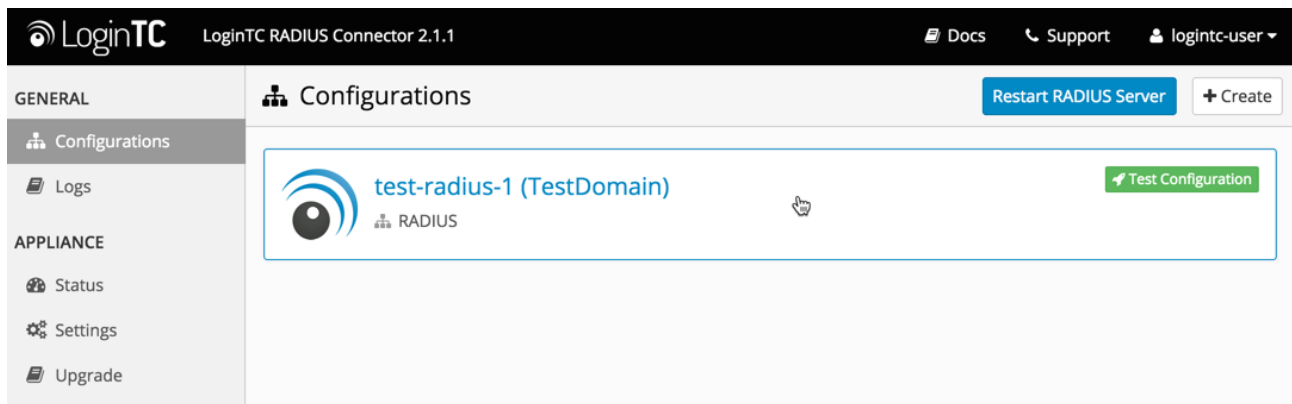
settings:

2015-XX-XX 16:52:41 admd Authentication failed: user username@RADIUS isn't in the authorized SSLVPN group/user list!

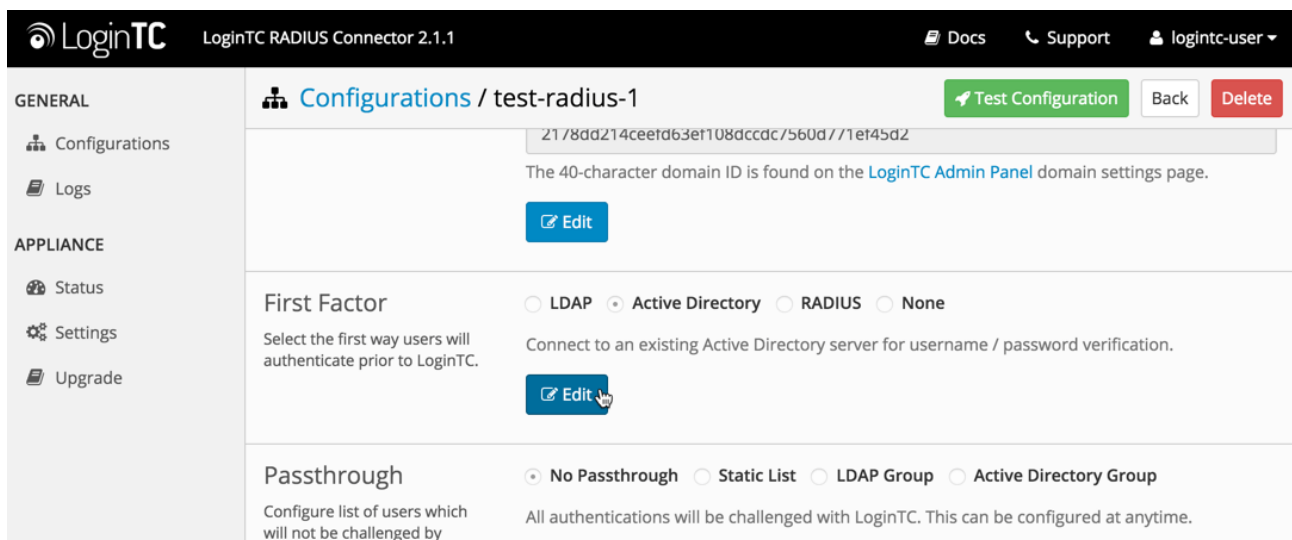
Search for the following error message:

2015-XX-XX 16:59:52 admd RADIUS: no attribute-value pair is retrieved from packet

If found, it means that the RADIUS Connector is not sending back any Group Attribute information. Navigate to your appliance **web interface** and click **Configurations**. Select the domain you're having problems with:



Click the **Edit Button** in the **First Factor** section:



Scroll down to the to the **Group Attribute** section:

1. If "None" is selected, change it to "Specify a group attribute". [Click here](#) to review how to configure the Group Attribute for SSL

GENERAL

- Configurations
- Logs

APPLIANCE

- Status
- Settings
- Upgrade

Edit Configuration / First Factor Cancel

The attribute containing the user's email address. Examples: mail or email.

Group Attribute (Advanced)
Specify an additional user group attribute to be returned the authenticating server.

☒ None ☐ Specify a Group Attribute
Do not send additional Group Attribute information (default).

Connection Encryption
☒ None ☐ SSL ☐ STARTTLS
No connection encryption.

- Otherwise, check that your user is a member of the specified group in the LDAP Directory. If they are not, it will cause RADIUS to return a blank attribute.

GENERAL

- Configurations
- Logs

APPLIANCE

- Status
- Settings
- Upgrade

Edit Configuration / First Factor Cancel

The attribute containing the user's email address. Examples: mail or email.

Group Attribute (Advanced)
Specify an additional user group attribute to be returned the authenticating server.

☐ None ☒ Specify a Group Attribute
RADIUS Group Attribute
filter-id
Name of RADIUS attribute to send back. For example, for WatchGuard this is the named value of the Group Attribute, e.g. for a Group Attribute value of 11, use: Filter-Id.

AD Group
SSLVPN-Users
The name of the AD group to be sent back to the authenticating server. The user must be a member of the group for the attribute to be sent back. of Examples: SSLVPN-Users.

If you find a log message similar to this:

```
2015-XX-XX 16:52:41 admd RADIUS: finished parsing attribute-value pairs
2015-XX-XX 16:52:41 admd RADIUS: group 1, type=11 value=L2TP-Users
2015-XX-XX 16:52:41 admd RADIUS: retrieve VP:Filter-Id(11) int=10
```

Then the RADIUS server is sending back a Group Attribute, but it may not be the correct one.

Check that the **value** is the name of the group that has been added to list of groups authorized to authenticate with SSL. Log into the **WatchGuard Web UI** and select **VPN** from the left-hand navigation bar. Click on **Mobile VPN with SSL** :

Fireware XTM Web UI

User: admin

Help

Logout

DASHBOARD

SYSTEM STATUS

NETWORK

FIREWALL

SUBSCRIPTION SERVICES

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SYSTEM

Traffic Monitor

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

RECV an IKE packet at 10.0.10.8:500(socket=

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

ike_match_if_name: Match pcy [RandomR_mu] dev=a

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

ike_match_if_name: Match pcy [L2TP-IPSec_i2] dev=a

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

Found IKE Policy [RandomR_mu, dev=anyE] for peer

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

IkeNotifyPayloadNtoH : SPI Size 16 first4(0x95b52557

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

Process Notify Payload : NOTIFY-TYPE : 36136

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

Process ISAKMP Notify : from peer 0x0a000a8c proto

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

Received DPD R_U_THERE message from 10.0.10.14

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

IkeInNotifyProcess: gateway is UP (peerIp=10.0.10.14

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

ike_p1_status_chg: ikePcyName=RandomR_mu, statu

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

ikeMultiWanVpnFailBack: ->

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

MWAN-Failback mvupn case, do nothing - name=Ran

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

IkeNotifyPayloadHtoN : net order spi(0x95 0xb5 0x25 0

2015-06-17 15:04:23

iked

(10.0.10.8<->10.0.10.140)

Sending DPD R_U_THERE_ACK message to 10.0.10

2015-06-17 15:04:43

iked

RECV message on fd_server(7) *****

2015-06-17 15:04:43

iked

recv CMD XPATH(/ping), need to process it

WatchGuard

Fireware XTM Web UI

User: admin | Help | Logout

DASHBOARD

SYSTEM STATUS

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SUBSCRIPTION SERVICES

AUTHENTICATION

VPN

Branch Office VPN

BOVPN Virtual Interfaces

Phase2 Proposals

Mobile VPN with IPSec

Mobile VPN with PPTP

Mobile VPN with SSL

Mobile VPN with L2TP

Global Settings

SYSTEM

Mobile VPN with SSL

When you activate Mobile VPN with SSL, the "SSLVPN-Users" group and the "WatchGuard SSLVPN" policy are created to allow Mobile VPN with SSL connections from the Internet to the external interface.

☒ Activate Mobile VPN with SSL

General

Authentication

Advanced

Firebox IP Addresses or Domain Names

Type a firebox IP or domain name for SSL VPN users to connect to.

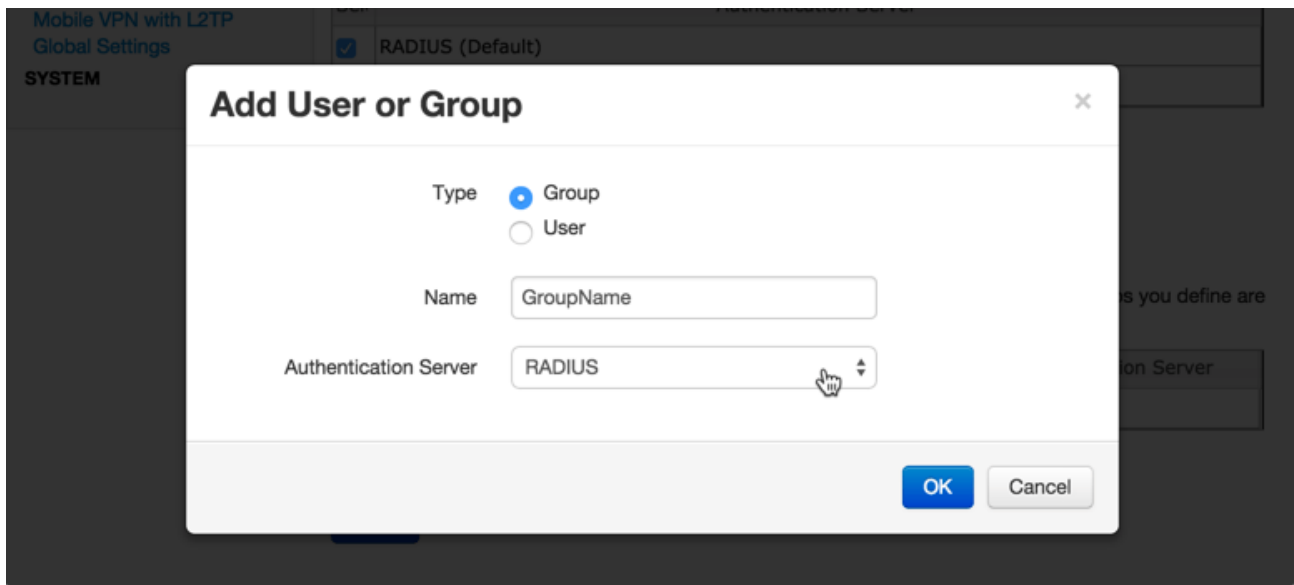
Primary

10.0.10.83

Secondary

Networking and IP address pool

Define users and groups to authenticate with Mobile VPN with SSL. The users and groups you define are automatically included in the "SSLVPN-Users" group.



Authentication Timing Out

If authentication is failing, it is possible that the authentication requests are timing out too quickly. By default, LoginTC push requests will timeout after 90 seconds. Another timeout value is defined by the RADIUS server configuration. If it is set too low, it will cause requests to prematurely timeout. To check, login to your **WatchGuard Web UI**

Name	Rate	Bytes	Hits
10.0.88.100	531 Kbps	21 MB	21
10.0.88.104	211 Kbps	9 MB	141
10.0.88.102	29 Kbps	9 MB	13

Name	XTM_2_Series-W
Model	XTM26-W
Version	11.9.5.B470931
Serial Number	70A70CDC3D640
System Time	14:42 US/Eastern
System Date	2015-06-17
Uptime	2 days 01:55

1. Select **Authentication** from the left-hand navigation bar, then click **Servers**

Fireware XTM Web UI
User: admin | Help | Logout

DASHBOARD
SYSTEM STATUS
NETWORK
FIREWALL
SUBSCRIPTION SERVICES
AUTHENTICATION
[Hotspot](#)
[Servers](#)
[Settings](#)
[Users and Groups](#)
[Web Server Certificate](#)
[Single Sign-On](#)
[Terminal Services](#)
[Authentication Portal](#)
VPN
SYSTEM

Front Panel

Top Clients

Name	Rate	Bytes	Hits
10.0.88.100	151 Kbps	3 MB	22
10.0.88.104	105 Kbps	8 MB	118
10.0.88.102	28 Kbps	9 MB	14

Top Destinations

Name	Rate	Bytes	Hits
184.150.152.14	126 Kbps	2 MB	1
74.125.29.101	20 Kbps	646 KB	1
136.146.210.32	19 Kbps	177 KB	2
184.150.152.18	18 Kbps	137 KB	2

System

Name	XTM_2_Series-W
Model	XTM26-W
Version	11.9.5.B470931
Serial Number	70A70CDC3D640
System Time	14:43 US/Eastern
System Date	2015-06-17
Uptime	2 days 01:56
Log Server	Disabled

Reboot

Last 20 Minutes

2. Click **RADIUS**

Fireware XTM Web UI
User: admin | Help | Logout

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Servers

Authentication Servers

Server	Status
Firebox	0 Users 2 Groups
RADIUS	Primary 10.0.10.83
	Secondary Disabled
SecurID	Primary Disabled
	Secondary Disabled
LDAP	Primary Disabled
	Secondary Disabled

3. Check the **Timeout** attribute field. It should be at least 10 seconds longer than the LoginTC Request Timeout set in the LoginTC RAIDUS Connector.

WatchGuard Fireware XTM Web UI User: admin | Help | Logout

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Servers / RADIUS

Before you configure your XTM device to use a RADIUS authentication server, make sure the server can successfully accept and process RADIUS authentication requests.

Primary Server Settings

☒ Enable RADIUS Server

IP Address

Port

Passphrase

Confirm

Timeout seconds
Range: 1-120 Default: 5

See the [Knowledge Base](#) articles for more information:

- [My WatchGuard SSL VPN users receive multiple LoginTC requests. What can I do?](#)
- [My WatchGuard IPSec VPN users receive multiple LoginTC requests. What can I do?](#)

Email Support

For any additional help please email support@cyphercor.com. Expect a speedy reply.