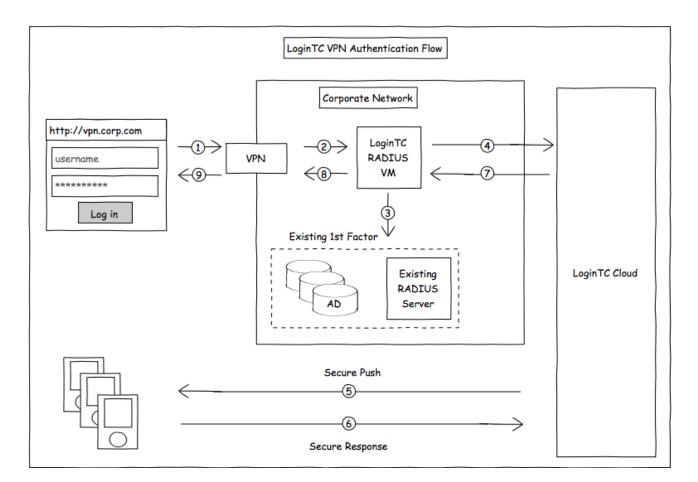
logintc.com/docs/connectors/openvpn-as.html

The LoginTC RADIUS Connector is a complete two-factor authentication virtual machine packaged to run within your corporate network. The LoginTC RADIUS Connector enables <u>OpenVPN Access Server</u> to use <u>LoginTC</u> for the most secure two-factor authentication.



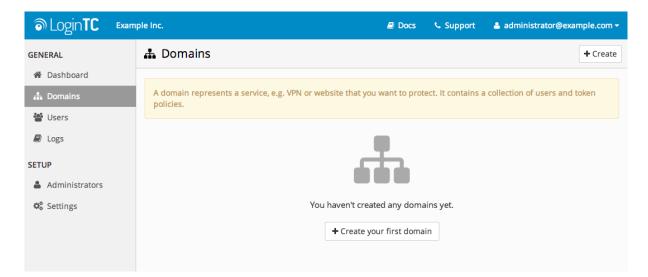
Prerequisites

Before proceeding, please ensure you have the following:

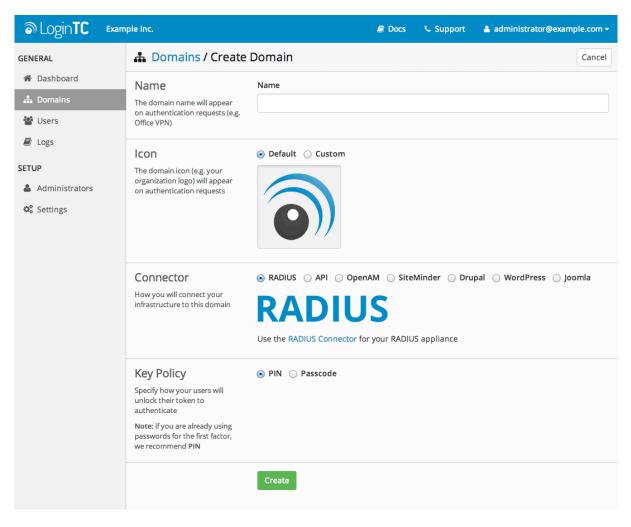
RADIUS Domain Creation

If you have already created a LoginTC Admin domain for your LoginTC RADIUS Connector, then you may skip this section and proceed to <u>Installation</u>.

- 1. Log in to LoginTC Admin
- 2. Click Domains:
- 3. Click Add Domain:



4. Enter domain information:



Name

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

Connector

RADIUS

Installation

The LoginTC RADIUS Connector runs <u>CentOS</u> 6.8 with <u>SELinux</u>. 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)
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 <u>RADIUS</u>-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<u>LoginTC Admin</u> 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 <u>RADIUS</u>-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:

ခာ Login TC	Login	TC RADIUS Connector 2.1.0		Docs	🍤 Support	🛎 log	intc-user -
GENERAL		🚓 Configurations			Restart RADIUS Se	erver	+ Create
Logs							
 Status Settings Upgrade 			You haven't created any configurations	s yet.			

LoginTC Settings

Configure which LoginTC organization and domain to use:

ခာ Login TC ယ။	inTC RADIUS Connector 2.4.0	🗐 Docs 🕓 Support 👗 logintc-user 🗸
GENERAL	A Configurations /	New Configuration / LoginTC Settings Step 1 of 4 Cancel
🚓 Configurations	LoginTC Settings	API Key
🗗 Logs	Values which will dictate how the LoginTC RADIUS	
APPLIANCE	Connector will identify itself to the LoginTC cloud service.	The 64-character organization API key is found on the LoginTC Admin Panel Settings page.
Status		Domain ID
✿ Settings		The 40-character domain ID is found on the LoginTC Admin Panel domain settings page.
Upgrade		Request Timeout
		60
		The amount of time the LoginTC RADIUS Connector should poll for a user to respond. This value should be 10 seconds shorter than the timeout in your RADIUS client (e.g. VPN). For example if the VPN timeout is 90 seconds, this value should be no longer than 80 seconds.

Configuration values:

Property	Explanation
api_key	The 64-character organization API key
domain_id	The 40-character domain ID

The API key is found on the LoginTC Admin <u>Settings</u> page. The Domain ID is found on your domain settings page.

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

ی Login TC دمع	inTC RADIUS Connector 2.1.0	🗐 Docs 🔍 Support 🛔 logintc-user 🗸		
GENERAL	🛔 New Configuration	n / LoginTC Settings Step 1 of 4 Cancel		
A Configurations	LoginTC Settings	API Key		
┛ Logs	Values which will dictate how the LoginTC RADIUS Connector	vZkDw7l6Z3tApwZJXERseKdR0s5RNNqjMxXlwvxpWwJOa9oJXi9b5tdvPyFsqzwJ		
APPLIANCE	will identify itself to the LoginTC cloud service.	The 64-character organization API key is found on the LoginTC Admin Panel Settings page.		
Status	Logini e cioda service.	Domain ID		
🕸 Settings		9120580e94f134cb7c9f27cd1e43dbc82980e152		
Upgrade		The 40-character domain ID is found on the LoginTC Admin Panel domain settings page.		
		Test Next		
		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.

ම Login TC 🗔	ginTC RADIUS Connector 2.1.0	🖻 Docs 🕓 Support 🔒 logintc-user 🗸
GENERAL	🚠 New Configuratio	n / First Factor Step 2 of 4 Cancel
Configurations Confi	First Factor Select the first way users will authenticate prior to LoginTC.	• LDAP Active Directory RADIUS None Connect to an existing LDAP server for username / password verification.
APPLIANCE Status Settings Upgrade	LDAP Server Details The LDAP host and port information.	Host Host name or IP address of the LDAP server. Examples: Idap.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**:

ခာ Login TC မ	oginTC RADIUS Connector 2.1.0	🖻 Docs 🥾 Support 🛔 logintc-user 🗸
GENERAL	📥 New Configuratio	n / First Factor Step 2 of 4 Cancel
Configurations Logs	First Factor Select the first way users will authenticate prior to LoginTC.	○ LDAP • Active Directory ○ RADIUS ○ None Connect to an existing Active Directory server for username / password verification.
APPLIANCE Status Status Upgrade	AD Server Details The Active Directory host and port information.	Host 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	<pre>cn=admin,dc=example,dc=com</pre>
bind_password	The password for the above bind_dn account	password
base_dn	The top-level DN that you wish to query from	<pre>dc=example,dc=com</pre>

Property	Explanation	Examples
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
Group Attribute (optional)	Specify an additional user group attribute to be returned the authenticating server.	4000
RADIUS Group Attribute (optional)	Name of RADIUS attribute to send back	Filter-Id
LDAP Group (optional)	The name of the LDAP group to be sent back to the authenticating server.	SSLVPN-Users
encryption (optional)	Encryption mechanism	ssl or startTLS
cacert (optional)	CA certificate file (PEM format)	/opt/logintc/cacert.pem

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**:

ි Login TC	LoginTC RADIUS Connector 2.1.0	😹 Docs 🕓 Support 🚢 logintc-user 🗸
GENERAL	🚠 New Configuratio	on / First Factor Step 2 of 4 Cancel
 Configurations Logs APPLIANCE 	First Factor Select the first way users will authenticate prior to LoginTC.	○ LDAP ○ Active Directory
APPLIANCE Status Settings Upgrade	RADIUS Server Details The RADIUS host and secret.	Host Host Host name or IP address of the RADIUS server. Examples: Idap.example.com or 192.168.1.42 Port (optional) 1812 Port if the RADIUS server uses non-standard port. Secret

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 <u>Static List</u> option. Users on the static list will be challenged with LoginTC, while those not on the list will only be challenged with the configured <u>First Authentication Factor</u>. 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 <u>Active Directory or LDAP Group</u> 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 <u>First Authentication Factor</u>.

No Passthrough (default)

ခဲ Login TC	LoginTC RADIUS Connector 2.1.0	🖻 Docs 🕓 Support 🛔 logintc-user -
GENERAL	🚠 New Configuratio	on / Passthrough Step 3 of 4 Cancel
📥 Configurations	Passthrough	💿 No Passthrough 🔘 Static List 🔘 LDAP Group 🔘 Active Directory Group
Logs	Configure list of users which will not be challenged by	All authentications will be challenged with LoginTC. This can be configured at anytime.
APPLIANCE	LoginTC.	
Status		Next
Settings		
Upgrade		

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

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.

ි Login TC	LoginTC RADIUS Connector 2.1.0	🗐 Do	cs 🌭 Support	🛎 logintc-user -
GENERAL	📥 New Configuration	n / Passthrough	Step	3 of 4 Cancel
Configurations Cos	Passthrough Configure list of users which will not be challenged by LoginTC.	○ No Passthrough		
 Status Settings Upgrade 	Static List Only users in this list will be challenged with LoginTC. All other users will be challenged with configured first factor only.	LoginTC challenge users		

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.

ි Login TC	LoginTC RADIUS Connector 2.1.0	🗐 Docs 🔍 Support 🛔 logintc-user 🗸
GENERAL	🚠 New Configuration	n / Passthrough Step 3 of 4 Cancel
Configurations Cogs APPLIANCE	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.
BatusSettingsUpgrade	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	Comma separated list of groups for which	SSLVPN-Users or two-
auth groups	users will be challenged with LoginTC	factor-users

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	<pre>cn=admin,dc=example,dc=com</pre>
bind_password	The password for the above bind_dn account	password
base_dn	The top-level DN that you wish to query from	<pre>dc=example,dc=com</pre>
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
encryption (optional)	Encryption mechanism	ssl or startTLS
cacert (optional)	CA certificate file (PEM format)	/opt/logintc/cacert.pem

Configuration Simplified

If <u>Active Directory / LDAP Option</u> was selected in <u>First Authentication Factor</u> 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):

ခါ Login TC Login	TC RADIUS Connector 2.1.0	🖅 Docs 🥾 Support 📤 logintc-user 🗸
GENERAL	🚠 New Configuration	n / Client and Encryption Step 4 of 4 Cancel
ConfigurationsLogs	Client Settings Settings for your RADIUS client	Name
APPLIANCE	(e.g. a RADIUS-speaking VPN) to connect to the LoginTC RADIUS Connector.	A unique identifier of your RADIUS client. Use only alphanumeric characters and hyphens. This will also be used for the name of the configuration file. Example: corp-vpn-1 will be saved on
StatusSettings		disk as corp-vpn-1.cfg. IP Address
Upgrade		The IP address of your RADIUS client.
		Secret
		The secret shared between your RADIUS client and the LoginTC RADIUS Connector.
	Encryption	Sencrypt all passwords and API keys
	Determine whether to store passwords and API keys encrvoted or in the clear.	It is strongly recommended to encrypt all sensitive fields.

Client configuration values:

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

Data Encryption

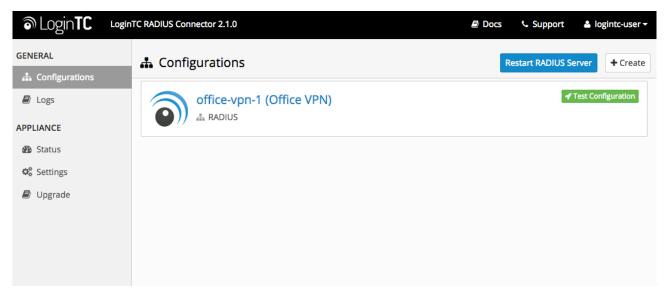
It is strongly recommended to enable encryption of all sensitive fields for both PCI compliance and as a general best practice.

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

ခာ Login TC မ	oginTC RADIUS Connector 2.1.0	🗐 Docs 🕓 Support 💄 logintc-user 🗸
GENERAL	🚓 Configurations	Restart RADIUS Server + Create
Logs	Configuration office-vpn-1 created	
APPLIANCE	office-vpn-1 (Office VPN)	✓ Test Configuration
🗐 Upgrade		

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:

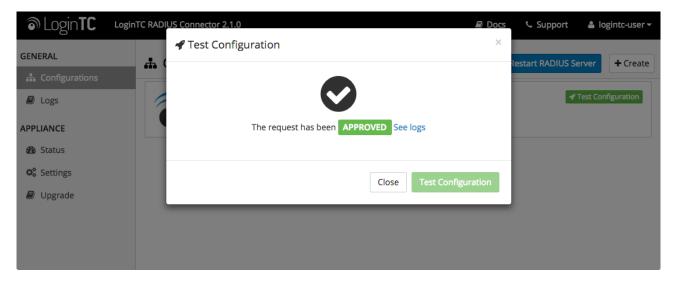
When you have loaded a token for your new user and domain, navigate to your appliance**web** interface URL:



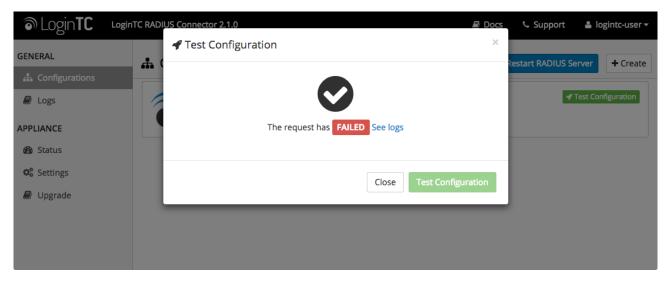
Click Test Configuration:

S Login TC Login	TC RADI	US Connector 2.1.0	🖻 Docs	📞 Support	🛎 logintc-user -
GENERAL	 (A Test Configuration	×	Restart RADIUS Se	erver + Create
🚓 Configurations		Test the first and second factor authentication by simulating an actual RA request. The resulting test LoginTC request will look identical to what a u receive in a real authentication scenario.			Test Configuration
APPLIANCE		If the authenticating user is configured to passthrough then only the first challenge will apply.	t factor		
🚯 Status		A			
😋 Settings					
🗐 Upgrade		Username			
		Enter username			
		Password			
		Password			
		For LoginTC only authentication leave Password field blank.			
		Close Test Config	guration		

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:

ම Login TC	LoginTC RADIUS Connector 2.1.0 🖻 Docs 📞 Support 🚢 logintc-user 🗸
GENERAL	Logs
📥 Configurations	
🗐 Logs	/var/log/logintc/authenticate.log /var/log/radius/radius.log /var/log/logintc/tornado.log
APPLIANCE	2015-04-28 17:10:15,818 - INFO - 304 GET / (10.0.10.178) 2.42ms 2015-04-28 17:10:15,818 - INFO - 304 GET /logs (10.0.10.178) 2.59ms
Status	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
📽 Settings	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
🗐 Upgrade	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. O Download -

OpenVPN AS Quick Config Guide

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

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

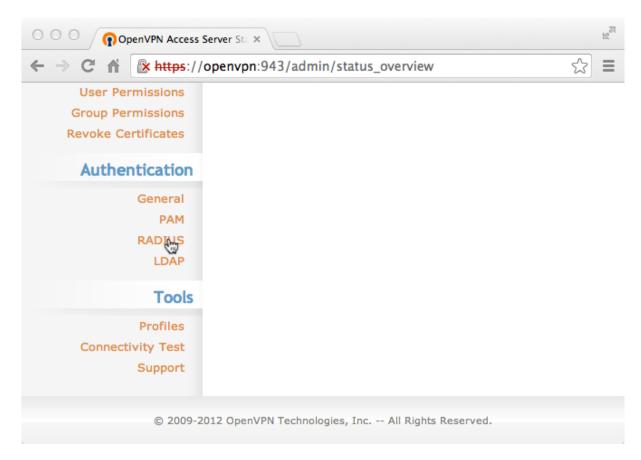
ခာ Login TC	Login	TC RADIUS Connector 2.1.0		Docs	📞 Support	💄 logintc-user -
GENERAL		o: Settings				
🛔 Configurations						
🗐 Logs		Appliance				
APPLIANCE		IP Address	10.0.10.116			
🍘 Status		RADIUS Authentication	1812			
🕫 Settings		IP Address				
┛ Upgrade		RADIUS Accounting Port	1813			
₽ Upgrade		RADIUS Accounting Port	1813			

The following are quick steps to get VPN access protected with LoginTC. The instructions can be used for existing setups as well.

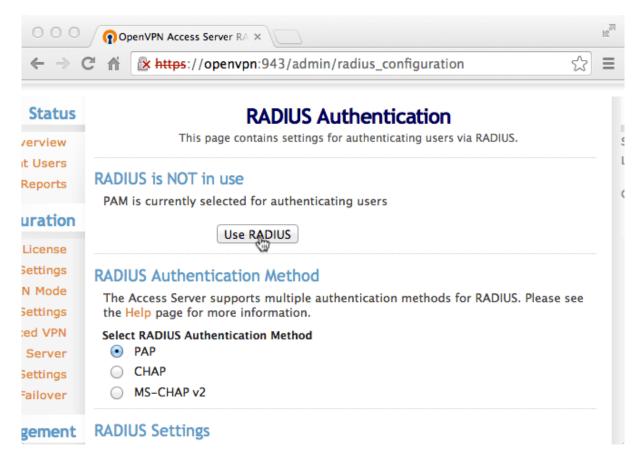
1. Sign In to your OpenVPN Access Server

OOO OpenVPN Login ×	R
← → C ☆ <u>https</u> ://openvpn:943/admin/	ත් =
OpenVPN Technologies	
Admin Login	
Username	
Password	
Sign In	

2. Under Authentication click RADIUS:



3. If "RADIUS is NOT in use" is present, click Use RADIUS button:



4. Under "RADIUS Authentication Method" select PAP:

000	OpenVPN Access Server RA ×	R _M			
$\leftrightarrow \Rightarrow C$	★ https://openvpn:943/admin/radius_configuration	∃			
Status	RADIUS Authentication				
s Overview	This page contains settings for authenticating users via RADIUS.				
rrent Users .og Reports	RADIUS in use RADIUS is currently selected for authenticating users				
figuration	RADIUS Authentication Method				
License rk Settings	The Access Server supports multiple authentication methods for RADIUS. Please see the Help page for more information.				
VPN Mode PN Settings ranced VPN	Select RADIUS Authentication Method PAP CHAP 				
Veb Server	○ MS-CHAP v2				
nt Settings Failover	RADIUS Settings				
nagement	Hostname or IP Address Shared Secret Authentication Account Port Port				
		, ۲			

5. Under "RADIUS Settings" add a new entry to the form:

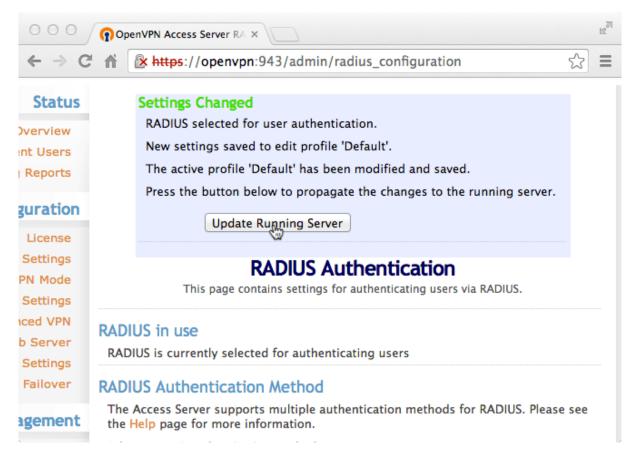
OOO (OpenVPN Access Server RA ×					
← → C	fi fi	隆 https://openvpn:94	3/admin/radius_c	onfiguration	☆ =
ced VPN 5 Server Settings Failover	Sele O	ct RADIUS Authentication PAP CHAP MS-CHAP v2	Method		
gement	RAD	IUS Settings			
missions	н	lostname or IP Address	Shared Secret	Authentication Port	Accounting Port
missions tificates	10	0.0.10.34 I	•••••	1812	1813
tication				1812	1813
General PAM				1812	1813
RADIUS LDAP		Enable RADIUS Accounti	ng	1812	1813
Tools		Save Sett	ings		

Property	Explanation	Example
Hostname or IP Address	Address of LoginTC RADIUS Connector	192.168.1.1
Shared Secret	The secret shared between the LoginTC RADIUS Connector and its client	bigsecret
Authentication Port	RADIUS authentication port. Must be 1812.	1812
Accounting Port	RADIUS accounting port. Must be 1813	1813

6. Click Save Settings:

000	📓 open	vpn-configuration-	4.tiff	
000	OpenVPN Access Server RA ×			R _M
← → C	A https://openvpn:94	3/admin/radius_c	onfiguration	☆ =
ced VPN > Server Settings Failover	Select RADIUS Authentication M PAP CHAP MS-CHAP v2	Method		
gement	RADIUS Settings			
nissions	Hostname or IP Address	Shared Secret	Authentication Port	Accounting Port
nissions tificates	10.0.10.34 J	••••	1812	1813
tication			1812	1813
General			1812	1813
PAM RADIUS			1812	1813
LDAP	Enable RADIUS Accounting	ng		
Tools	Save Setti	ngs		

7. Click Update Running Server:



To test, navigate to your OpenVPN Access Server clientless VPN portal or use OpenVPN Connect and attempt access.

Troubleshooting

No Network Connection

- 1. First ensure that your LoginTC RADIUS Connector is configured to have a virtual network adapter on etho
- 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 etho 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"

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

ຈ Login TC	LoginTC RADIUS Connector 2.1.0 🖻 Docs 📞 Support 🔒 logintc-user 🗸
GENERAL	2 Status
🛔 Configurations	
🗐 Logs	All status checks have passed.
APPLIANCE	✓ Ping cloud.logintc.com
🚯 Status	
📽 Settings	✓ RADIUS Process
Upgrade	✓ CPU Usage
	✓ RAM Usage
	✓ Disk Usage
	✓ Version check

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

ခါ Login TC မဏ	nTC RADIUS Connector 2.1.0 🗐 Docs 🍾 Support 🔒 logintc-user 🗸
GENERAL	Logs
📥 Configurations	
🖻 Logs	/var/log/logintc/authenticate.log /var/log/radius/radius.log /var/log/logintc/tornado.log
APPLIANCE	2015-04-28 17:10:15,818 - INFO - 304 GET / (10.0.10.178) 2.42ms 2015-04-28 17:10:15,818 - INFO - 304 GET /logs (10.0.10.178) 2.59ms
🌇 Status	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
📽 Settings	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
🔊 Upgrade	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.
	O Download -

Email Support

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