Configure LDAP Chained Query in the Email Security Appliance

Contents

Introduction

This document describes how to enable the Lightweight Directory Access Protocol (LDAP) Chained query option in the Email Security Appliance.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Two (2) or more LDAP profiles are already configured in the Email Security Appliance (ESA). This example uses Domain_A and Domain_B as the profiles.
- An active query in the LDAP profiles (this example uses the Accept query).

Components Used

This document is not restricted to specific software and hardware versions.

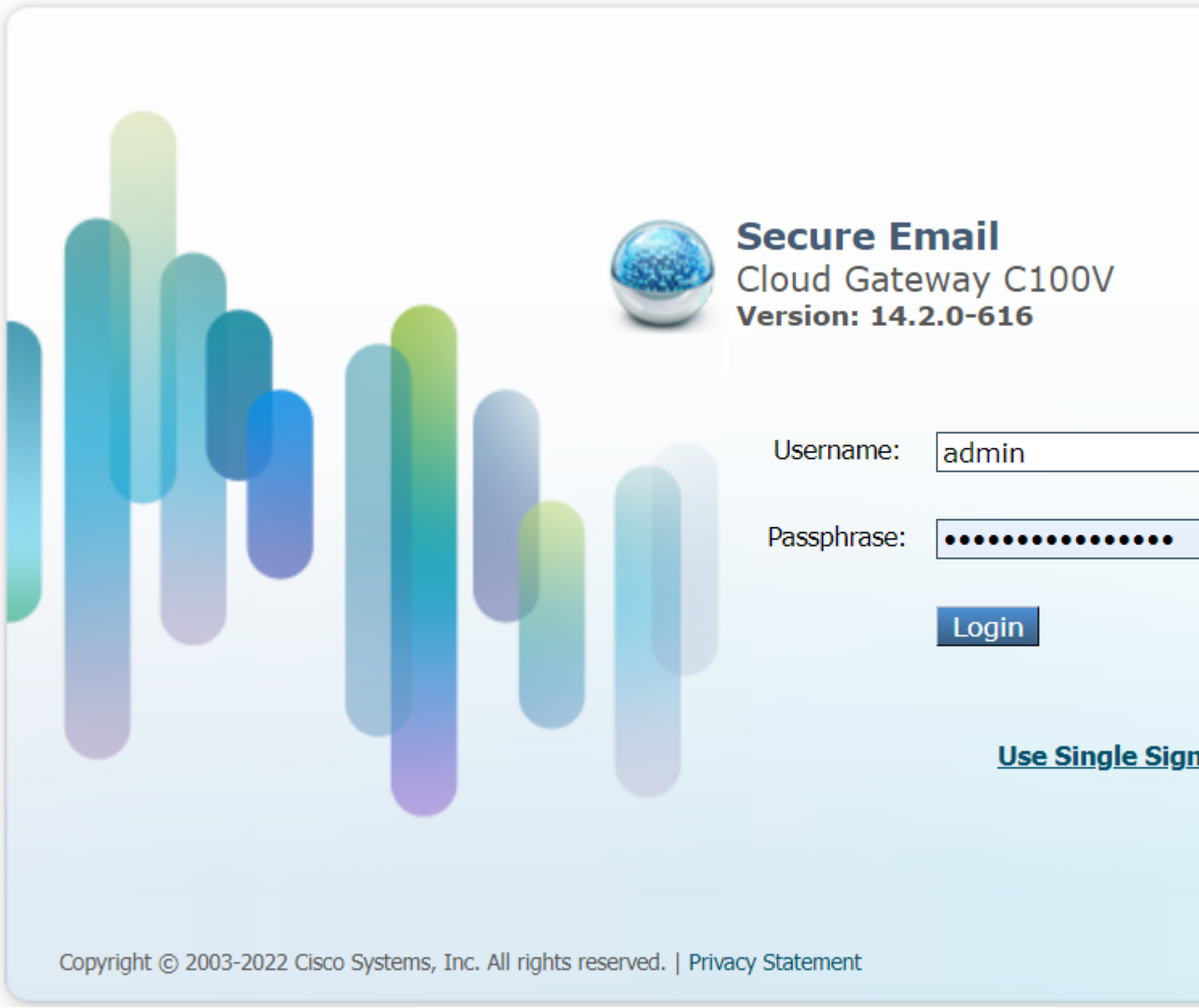
The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Background Information

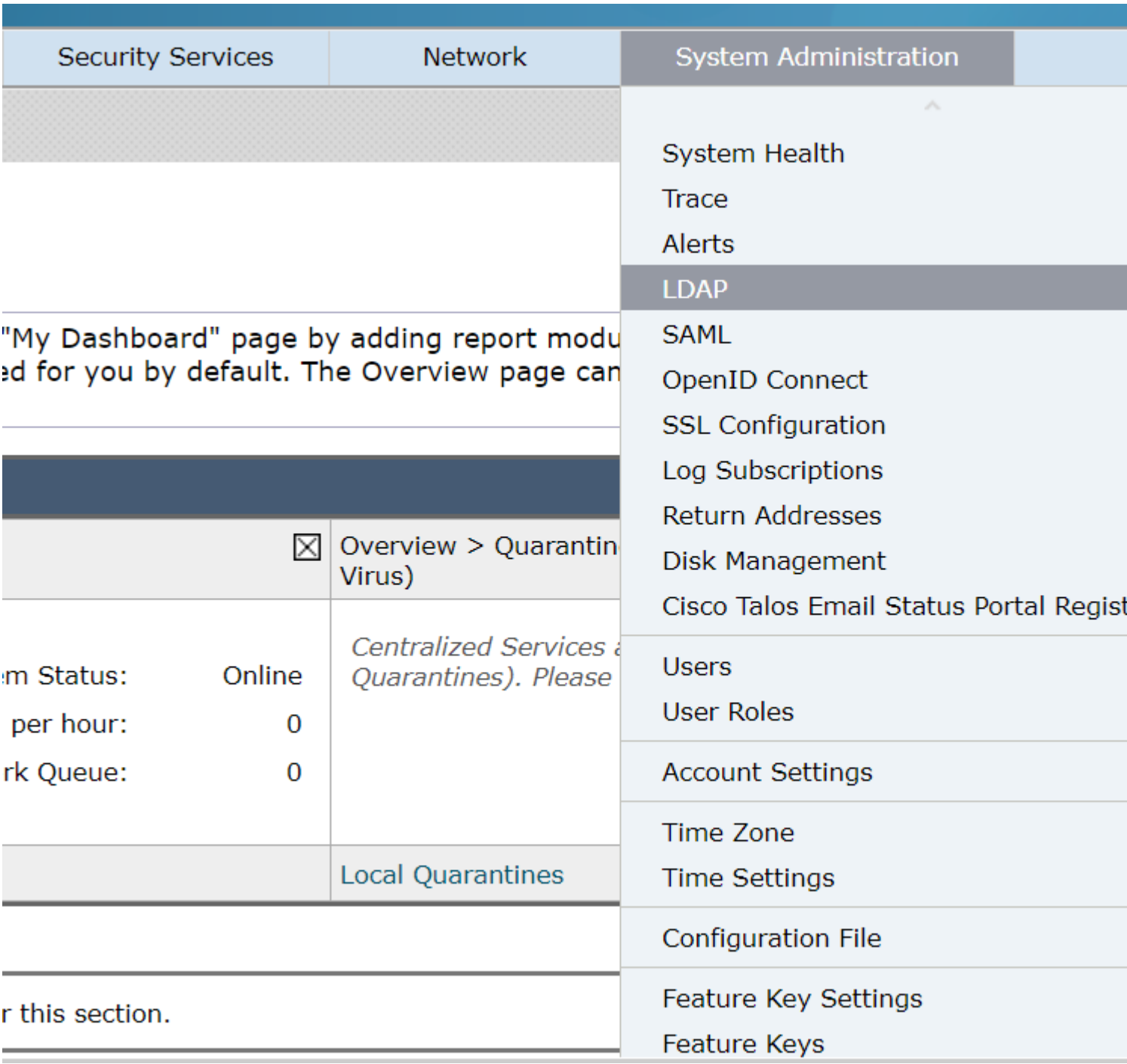
The LDAP Chained Query is a feature in the Cisco Email Security Appliance that allows administrators to perform directory lookups across multiple LDAP servers. With this feature, administrators can configure multiple LDAP profiles if a specific domain is hosted on multiple servers. If one server fails or the ESA is unable to retrieve a result for the query, the appliance automatically switches to the next server until a final answer is provided.

Procedure

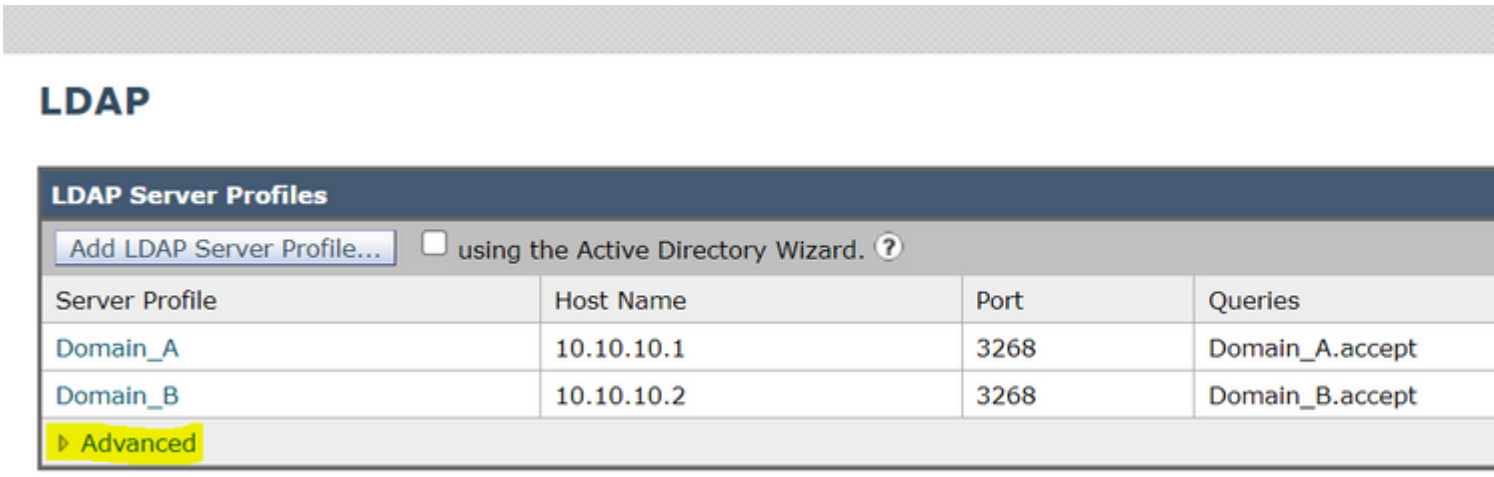
1. Log in to the **Cisco Email Security Appliance** with your administrative credentials.



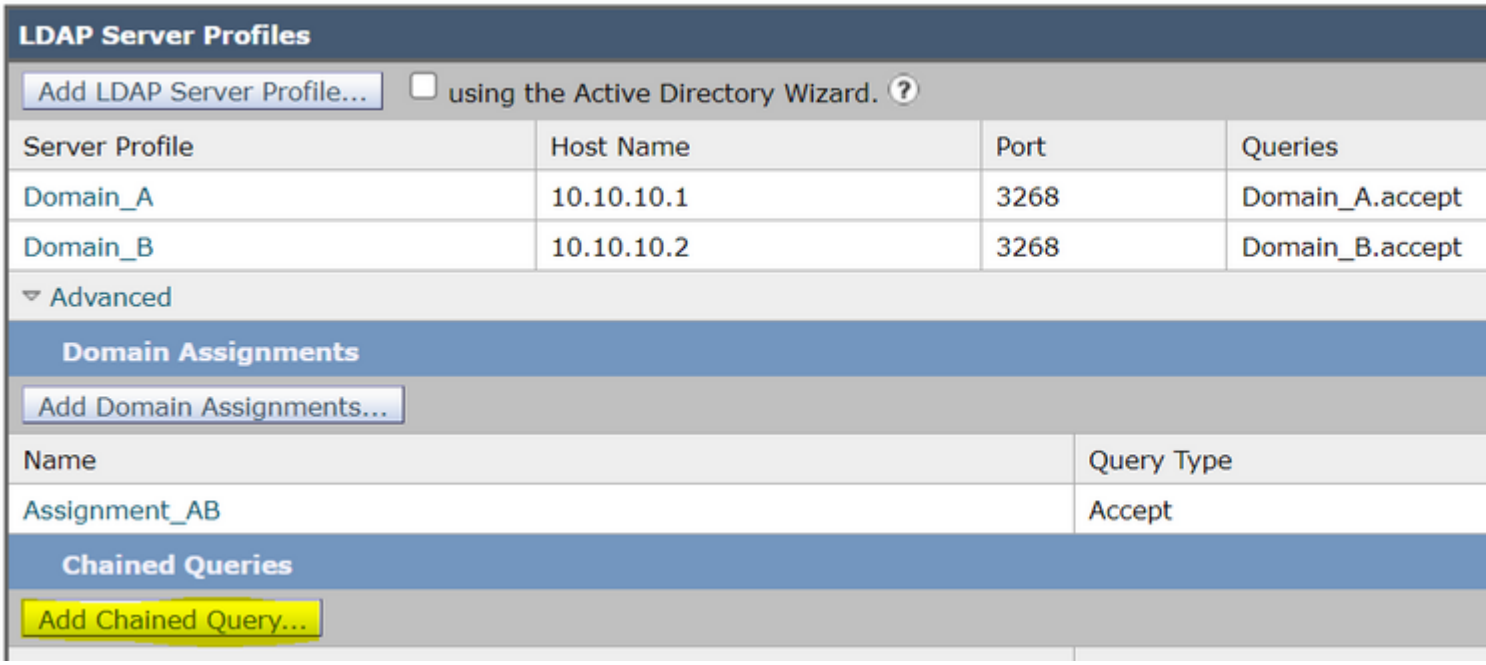
2. Navigate to the **LDAP** settings page under the **System Administration** menu.



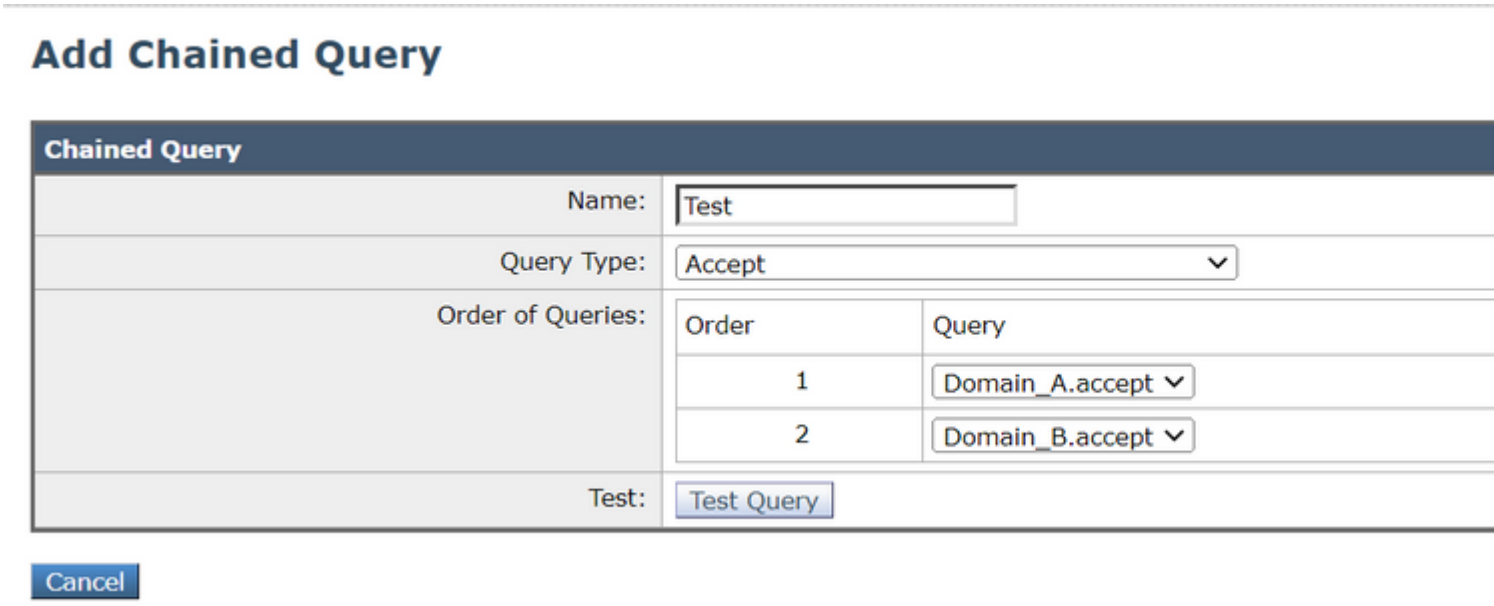
3. Click **Advance**.



4. Click **Add Chained Query**.

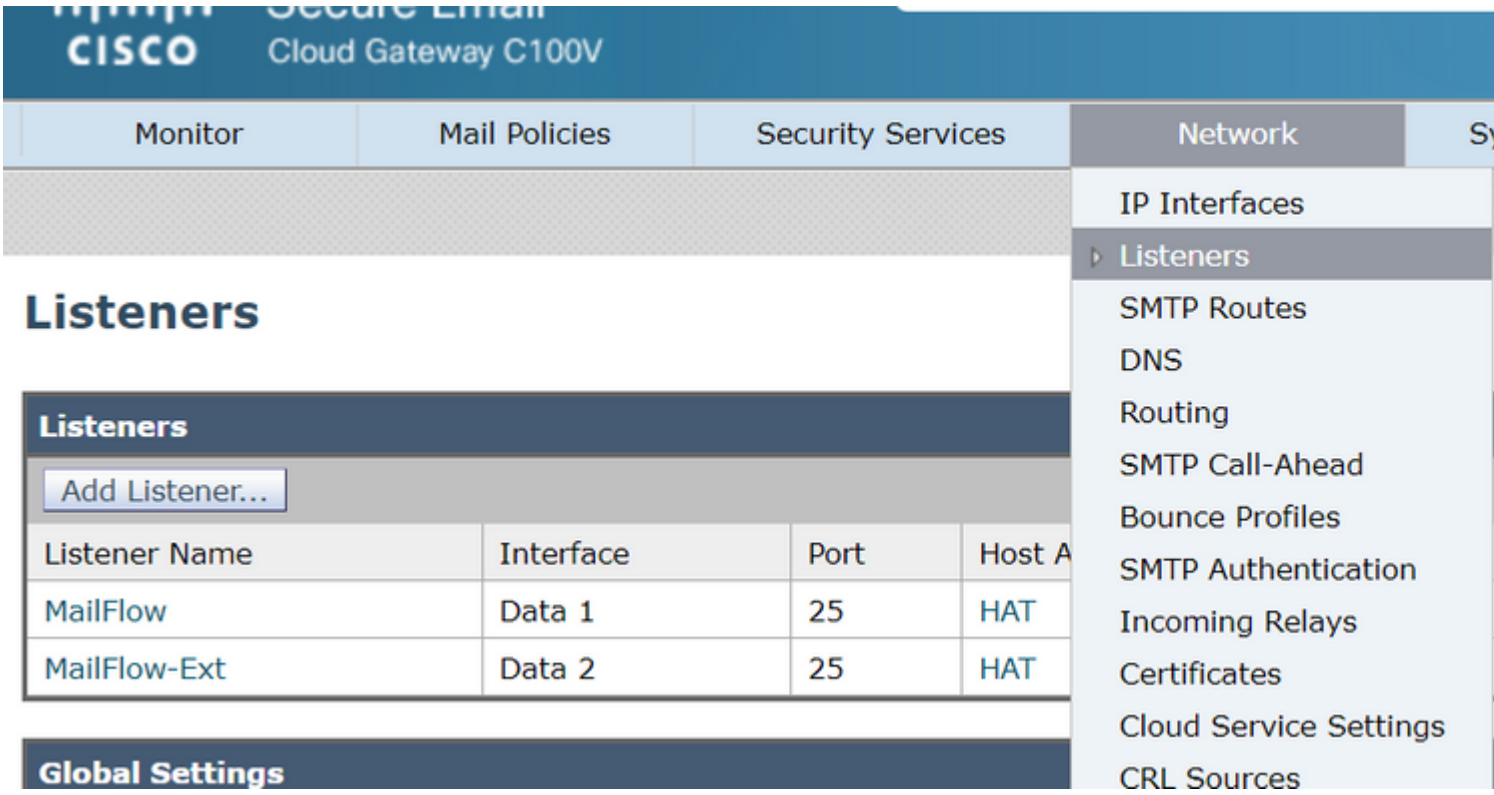


5. Specify a name for the chained query, choose the query type to be used, and add the LDAP profiles from the drop-down menus. Then click **Submit**.

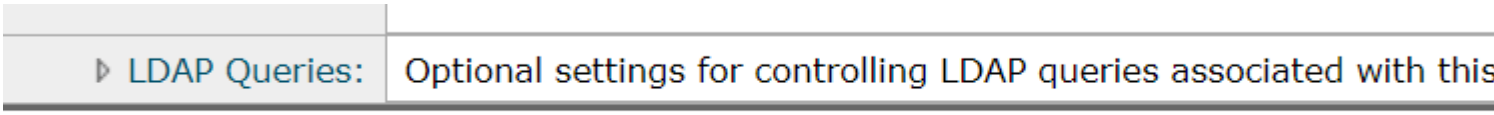


Note: In this section, you can configure a specific order for the profile lookup.

6. Navigate to the **Listeners** settings in the **Network** tab.

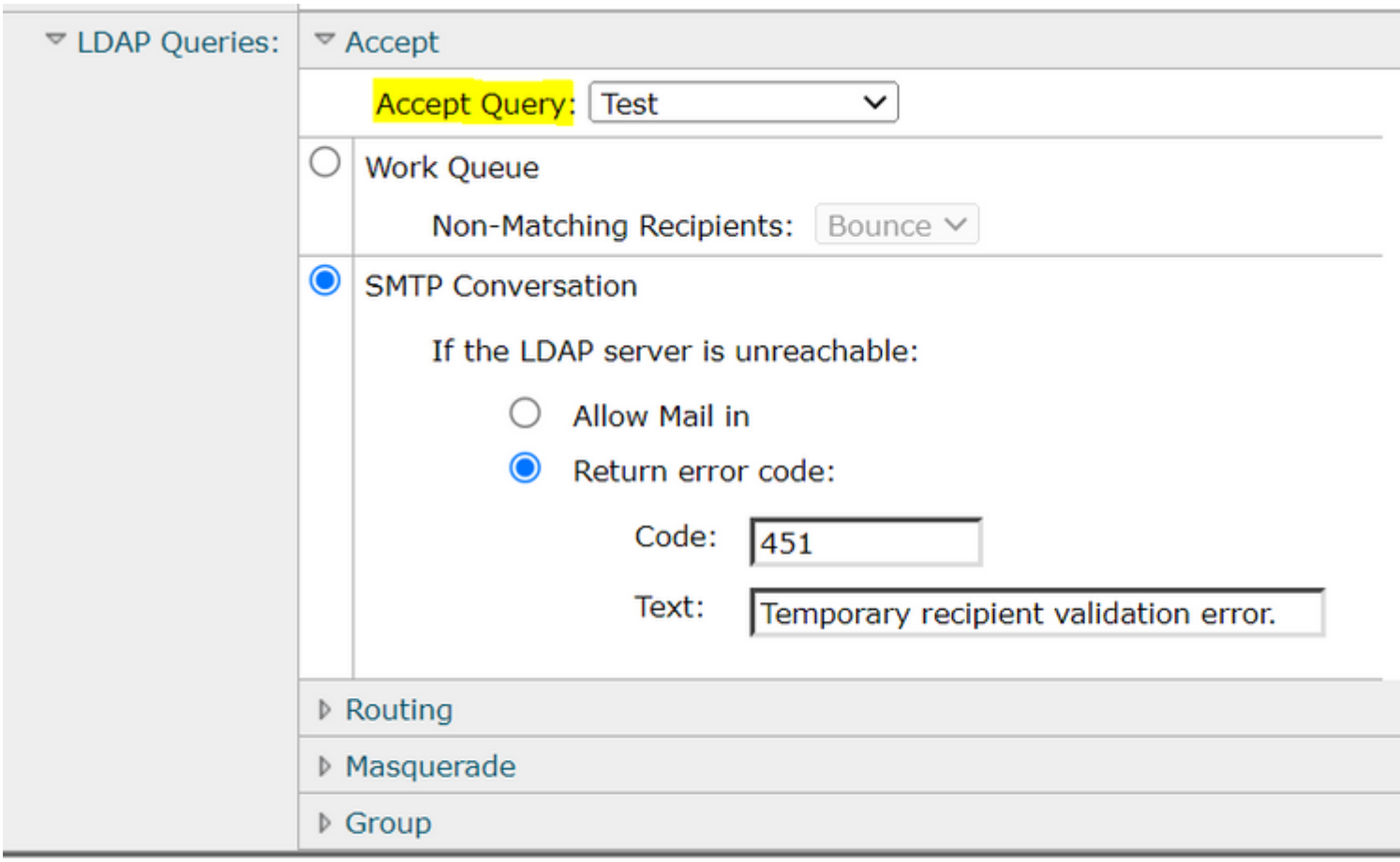


7. Choose a listener to enable the chained query and scroll down to **LDAP Queries**.



8. Expand the **LDAP queries** option, then expand the **Accept** option, and choose the chained query that was

previously created.



9. Click **Submit** and **commit** the changes.

Verify

With the earlier configuration, the Email Security Appliance validates recipient addresses with the use of the accept query in both LDAP profiles. First, it queries the Domain_A profile, and if there is no result, it moves to the next configured profile, in this case, the Domain_B profile.

To verify if the LDAP chained query option works fine in the Cisco Email Security Appliance, complete these steps:

1. Log in to the Cisco Email Security Appliance with an administrator account.

2. Navigate to the **LDAP** Configuration page under the **System Administration** tab.

3. Click **Test Server(s)** for each server in the chain in order to verify the LDAP servers configured for chained query work properly.

4. Open the Chained query that is to be tested.

5. Click the **Test Query**; test an email recipient hosted in the second profile so the device queries the first profile, fails, and tests the second profile.

Related Information

- **Cisco Technical Support & Downloads**