

# Secure Access Auto Reconnect Behavior During WiFi Network Changes

## Contents

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## Issue

When using Cisco Secure Access with a certificate-authenticated VPN profile configured with **Always On** enabled and **TND** (Trusted Network Detection) disabled, questions arise regarding the expected behavior of the Auto reconnect feature during WiFi network transitions. Specifically, there is uncertainty about whether VPN reconnection behavior differs as expected when **Auto reconnect** is enabled versus disabled during WiFi network changes.

## Environment

- Cisco Secure Access
- Certificate-authenticated VPN profile
- Always On feature enabled
- Trusted Network Detection (TND) disabled
- WiFi network environment with multiple available networks

## Resolution

The observed behavior during WiFi network switching with certificate-authenticated VPN profiles is the expected and designed functionality for Secure Access Auto reconnect feature.

## Auto Reconnect Enabled Behavior

When Auto reconnect is enabled **Auto reconnect ON**:

- The VPN automatically reconnects without user intervention after switching from one WiFi network (wifi1) to another WiFi network (wifi2)
- No manual user action is required to restore the VPN connection
- The connection is seamlessly re-established on the new network

## **Auto Reconnect Disabled Behavior**

When Auto reconnect is disabled **Auto reconnect OFF**:

- The VPN connection is terminated when switching from one WiFi network (wifi1) to another WiFi network (wifi2)
- The VPN does not automatically reconnect without user intervention
- Manual user action is required to re-establish the VPN connection

## **Configuration Verification**

This behavior is consistent with the design specifications for Secure Access when configured with:

- **Always On** enabled
- **TND** disabled
- Certificate-based authentication

The Auto reconnect feature functions as intended, providing automatic reconnection capabilities when enabled and requiring manual intervention when disabled during network transitions.

## **Cause**

This is the expected and designed behavior for Secure Access Auto reconnect functionality. The feature is specifically designed to provide different reconnection behaviors based on the Auto reconnect configuration setting to accommodate various deployment scenarios and security requirements.

## Related Content

- [Cisco Technical Support & Downloads](#)