innovar
healthcare

Innovar Multi Factor Authentication (MFA) Plugin

Introduction

Welcome to the Multi-factor Authentication (MFA) plugin documentation for Mirth Connect. This plugin is designed to enhance the security of your healthcare data integration by implementing robust multi-factor authentication mechanisms. As the healthcare landscape evolves, safeguarding sensitive information becomes paramount, and MFA is a crucial component in fortifying access controls.

Why MFA?

Healthcare data is a valuable asset that demands stringent protection measures. Traditional username and password combinations, while essential, may fall short in providing adequate security. MFA adds an additional layer of protection by requiring users to authenticate through multiple methods, mitigating the risk of unauthorized access even in the event of compromised credentials.

Key Features

Flexible Authentication Methods: Our MFA plugin supports TOTP (Time-based One-Time Password. Popular TOTP applications include Google Authenticator, Authy, Microsoft Authenticator. Generally any application that supports TOTP should work.

Seamless Integration: Integrating MFA into your Mirth Connect environment is streamlined, allowing you to enhance security without compromising efficiency. This documentation provides comprehensive guidance on installation, configuration, and integration processes.

User-Friendly Management: Easily manage user information, authentication settings, and access privileges through the intuitive interface of the MFA plugin. Administrators have the tools they need to maintain a secure and user-friendly environment.

Getting Started

Before you dive into the documentation, make sure to review the installation prerequisites and check compatibility with your existing Mirth Connect setup. The subsequent sections will guide you through the configuration, usage, and optimization of the MFA plugin to elevate the security posture of your healthcare data integration.

We appreciate your commitment to safeguarding sensitive healthcare information, and we believe that this MFA plugin will be an invaluable asset in achieving that goal. Thank you for choosing our solution.

Let's get started!

Installation

If you are using Mirth Connect packaged by Innovar Healthcare from the AWS Marketplace, the extension should be pre-installed on “Advanced with SSL” and “Advanced with SSL Autoscaling” versions.

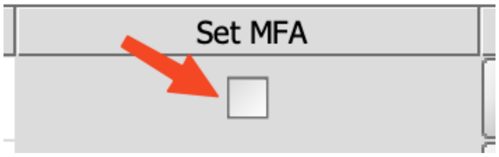
If, for some reason, you need to reinstall or update the plugin, you can do this from the Mirth Connect Administrator application. While logged into Mirth Connect Administrator, click on “Extensions”, then at the bottom of the screen, click “Browse”. A new window will pop up to allow you to browse for your plugin zip file on your local machine. Browse to the appropriate zip file and click “Open”. Once back on the Extensions screen, your file path should be filled in. Click “Install” to upload the file. Once completed, you will need to restart the Mirth Connect Service on the remote server.

Configuration

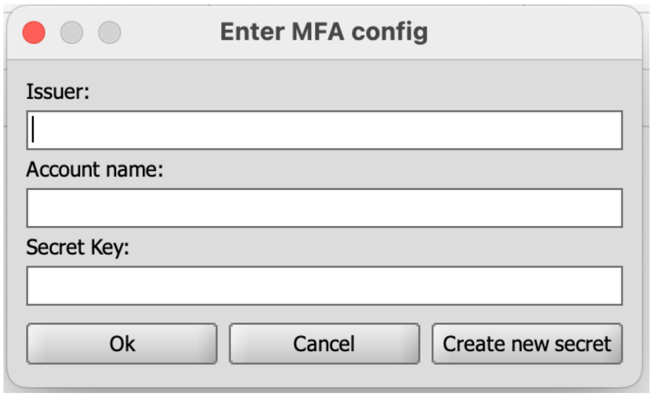
In the Mirth Connect Administrator window, click on Settings. You will see a new tab for “MFA Setting”.

Add MFA to a user

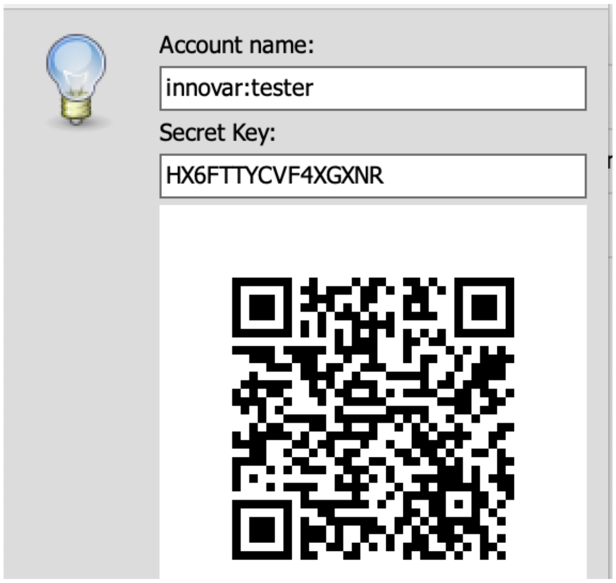
1. Click the “Set MFA” checkbox on the target user



2. Please enter the information about your existing MFA secret key if you already have one on your device. Alternatively, you can create a new secret key. The issuer and account name are informational.
Note: MFA secret key is not a random string. It is Base32 encoded.



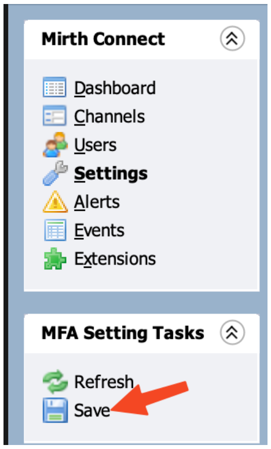
3. Double click the “Show MFA QR code” button to scan the code with the application on your phone or device.
You can use Google authenticator, Microsoft authenticator, DUO.etc



Account name:
innovar:tester

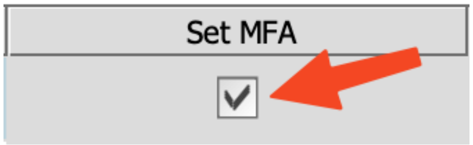
Secret Key:
HX6FTTYCVF4XGXNR

4.Make sure you click “Save”

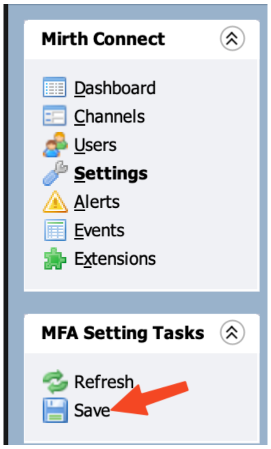


Remove MFA on a user

1.Uncheck the “Set MFA” checkbox on the target user.

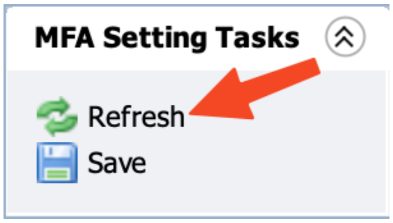


2.Make sure you click “Save”



Restore the change by mistake

Please click “Refresh” to restore any changes before a save


MFA Setting Tasks
Refresh
Save