Suprema - CCURE Integration (Advanced Version)

GUÍA DEL ADMINISTRADOR DE

Versión 1.2

Español
ES 102.00.SupCC9KiADV

suprema
SECURITY & BIOMETRICS

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Primeros Pasos

Antes de usar la integración Suprema - C•CURE para implementar Suprema Biometrics en la plataforma C•CURE 9000 para un sistema de control de acceso, deben instalarse en el mismo servidor o estación de trabajo donde está instalado el servidor C•CURE tanto C•CURE 9000 v2.90, v3.0, v3.10 (o posterior) Server como el servidor Suprema BioStar 2, junto con este servicio de instalación de la integración. Además, debe instalarse C•CURE 9000 v2.90, v3.0, v3.10 (o posterior) Client en la(s) estación(es) de trabajo donde se usará, junto con este cliente de instalación de la integración.

El servidor recibe registros de eventos, información de usuarios, etc. de los dispositivos conectados y los almacena. La integración se puede instalar fácilmente. Antes de la instalación, revise los Requisitos mínimos del sistema.

El paquete de instalación de la integración Suprema - C•CURE para servidor y cliente se puede proporcionar a solicitud enviada al equipo de Suprema.

Abreviaturas

- Software House C•CURE 9000 (C•CURE)
- BioStar 2 de Suprema (BioStar 2)
- Integración Suprema - C•CURE ("Integración" para abreviar)

Esta integración incluye los siguientes componentes:

- Servicio de integración Suprema - C•CURE (Servicio de integración)
- Cliente de integración Suprema - C•CURE (Cliente de integración)
- Herramienta de configuración de la integración Suprema - C•CURE (Integration CT)
  - Integration CT es la herramienta de interfaz gráfica web para configurar el Servicio de integración (sin GUI) y ajustar también los parámetros del Cliente de integración.

Requisitos mínimos del sistema

Serie de servidores independientes C•CURE 9000 L, M, N, P	
Hardware y software recomendados	
Processor	Intel® Core i7-3770 de 3.ª generación o superior (8 MB, 3.4 GHz o superior)
Hard Disk Drives	Unidades dobles: unidad principal = 1 TB o superior (9000 Runtime); unidad secundaria = 1 TB o superior (copias de seguridad de datos). Se recomienda SSD.
Drive Speed	7,200 RPM o superior
Memory	16 GB o superior

Serie de servidores independientes C•CURE 9000 L, M, N, P	
Hardware y software recomendados	
Network Adapter Card	Puerto de red Gigabit integrado
DVD Drive	Recomendado
Video Card	Subsistema de video integrado (se recomienda un acelerador de video dedicado cuando se usa como estación de trabajo cliente)
Database Support (English Only)	SQL Server 2014 (SP1 o posterior) Express (64 bits) SQL Server 2016 Express/Standard/Enterprise SP1 y superior (64 bits) SQL Server 2017 Express (64 bits) SQL Server 2019 Express/Standard/Enterprise (64 bits)
Operating System Support	Windows 10 Professional y Enterprise (versión 1809 o superior) (64 bits) Windows Server 2016 SP1 y superior (64 bits) Windows Server 2019 (64 bits)
Web Server	IIS V8.0 o superior para C•CURE Web, C•CURE Go y victor Web Service

Información

Se requiere IIS V8.0 para instalar C•CURE Web en la misma máquina que C•CURE Go o victor Web Service.

Serie de servidores independientes C•CURE 9000 Q, R, R+, S, S+, T Serie de servidores SAS L, M, N, P	
Hardware y software recomendados	
Processor	Intel Xeon E3-1240 v5 (3.5 GHz o superior)
Hard Disk Drives	Unidades dobles: unidad principal = 1 TB o superior (9000 Runtime); unidad secundaria = 1 TB o superior (copias de seguridad de datos). Se recomienda SSD.
Drive Speed	15,000 RPM o superior
Memory	32 GB o superior
Network Adapter Card	Adaptador Intel Gigabit ET Quad Port, NIC Gigabit Ethernet, PCIe x4
DVD Drive	Recomendado

Serie de servidores independientes C•CURE 9000 Q, R, R+, S, S+, T Serie de servidores SAS L, M, N, P	
Hardware y software recomendados	
Video Card	Subsistema de video integrado (se recomienda un acelerador de video dedicado cuando se usa como estación de trabajo cliente)
Database Support (English Only)	SQL Server 2016 Standard y Enterprise SP1 y superior (64 bits) SQL Server 2019 Standard y Enterprise (64 bits)
Operating System Support	Windows 10 Professional y Enterprise (versión 1809 o superior) (64 bits) Windows Server 2016 SP1 y superior (64 bits) Windows Server 2019 (64 bits)
Web Server	IIS V8.0 o superior para C•CURE Web, C•CURE Go y victor Web Service

Información

Se requiere IIS V8.0 para instalar C•CURE Web en la misma máquina que C•CURE Go o victor Web Service.

- Para un mejor rendimiento, use solo el sistema operativo de 64 bits.
- Integration CT está optimizada para MS Edge, Brave Browser o Google Chrome.
- No use versiones anteriores de Windows, ya que pueden provocar inestabilidad del sistema debido a la incompatibilidad de las bibliotecas del sistema operativo, porque Microsoft realizó cambios sustanciales en las bibliotecas del sistema operativo en comparación con las versiones anteriores de las especificadas en la tabla anterior.
- Si MS SQL Server y Suprema BioStar 2 están instalados en equipos distintos, instale el Native Client en el equipo donde se instaló BioStar 2.

  https://www.microsoft.com/en-us/download/details.aspx?id=50402

Dispositivos Compatibles

Dispositivos RFID:

- familia XPass 2
- familia X-Station 2

Dispositivos faciales:

- FaceStation F2
- BioStation 3
- BioEntry W3

Dispositivos de huella:

- Familia BioEntry (P2, W2)
- BioLite N2
- BioStation 2, BioStation A2
- X-Station 2 (modelo de huella)
- BioStation L2

Dispositivos NO compatibles:

- BioEntry R2
- CoreStation
- FaceStation 2 / FaceLite

> **Información**
> Los lectores USB como BioMini Plus 2 / Slim 2 pueden ser compatibles mediante personalización. Para ello, escriba a latam@supremainc.com.

Instalación de la integración Suprema - C•CURE

Requisitos previos

- Software House C•CURE 9000 (versión 2.90, 3.0, 3.10)
- Suprema BioStar 2 (versión 2.9.0 y posteriores)

> **Información**
> Debe instalar BioStar 2 Server y C•CURE 9000 Server en la MISMA máquina.

Consideraciones

- Para instrucciones específicas sobre cómo instalar y configurar C•CURE 9000 o BioStar 2, consulte el manual de instalación de cada plataforma.
- Si usa MS SQL 2014 Express (es mejor una versión más reciente), instale el Service Pack 2 según la siguiente página web.

  > *https://www.microsoft.com/en-us/download/details.aspx?id=53168*

- Tenga en cuenta que, por razones de seguridad, esta integración no admite HTTP, solo HTTPS (sobre TLS 1.2); asegúrese de que BioStar 2 esté configurado para usar solo HTTPS.
- Los valores predeterminados de los puertos usados son los siguientes. Si otro programa usa el mismo puerto, los requisitos previos o esta integración pueden no funcionar correctamente.
  - Integración Suprema - C•CURE

Type	Port	Description
Port	7733	HTTPS sobre TLS 1.2
Port	51211	Dispositivos Suprema

  - Servicio backend de Suprema BioStar 2

Type	Port	Description
Port	443	HTTPS sobre TLS 1.2
Port	3312	Cuando se usa el esquema MariaDB.
Port	9002	Web Socket

– C•CURE 9000 v2.9 o v3.0

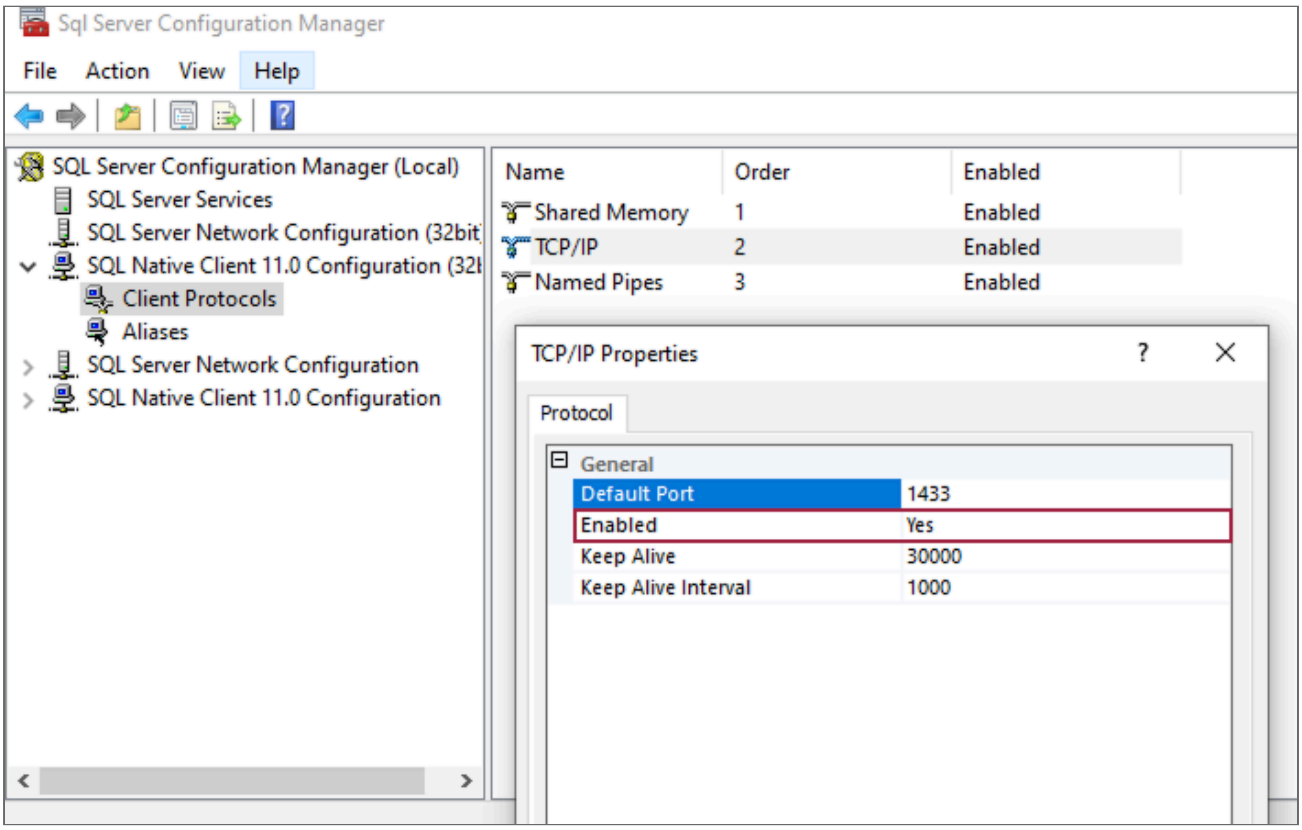
Type	Port	Description
Port	161	Para recopilar y organizar información sobre los dispositivos.
Port	2901/2	Puerto de escucha GCM de iSTAR Ultra G2 para conexión SSL IP-ACM2 con certificado y clave predeterminados.
Port	28014	Puerto de entrega de certificados firmados TLS 1.3. iSTAR Ultra G2 abre el puerto. El host entrega los certificados firmados.

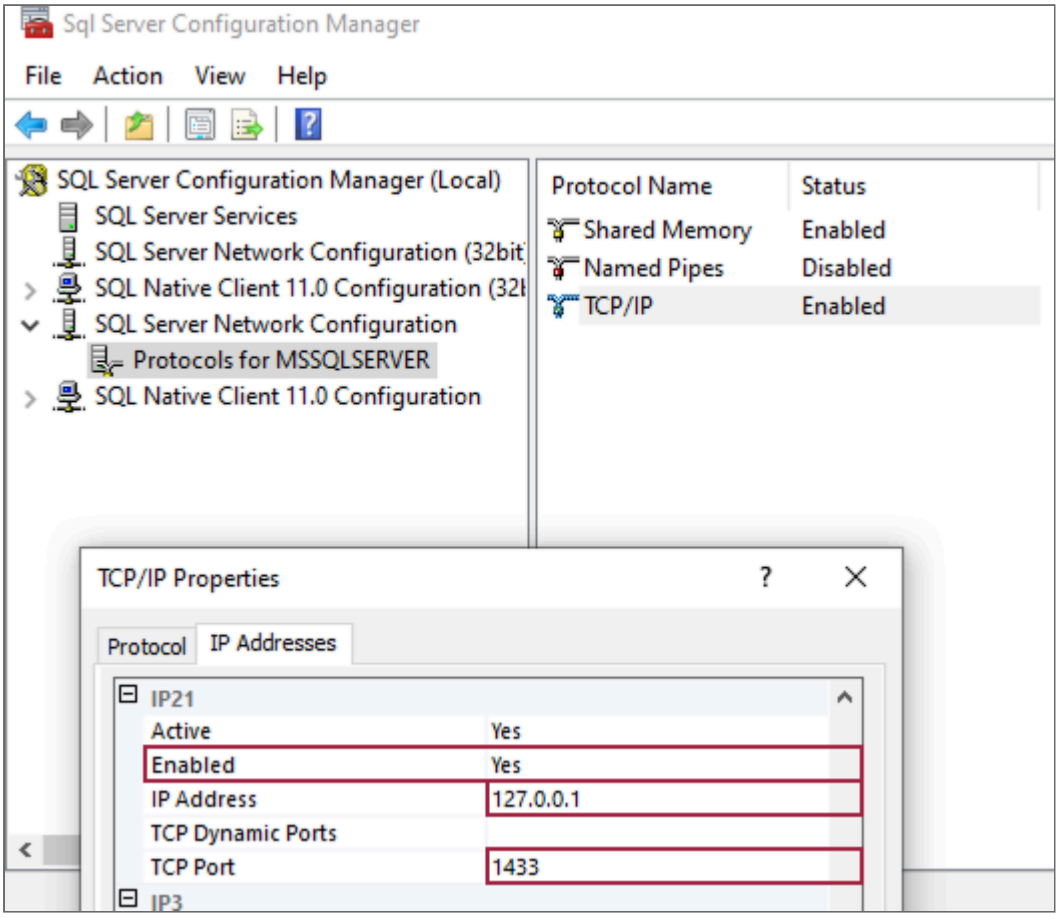
– Servidor Microsoft SQL

Type	Port	Description
Port	1433	O según la configuración.

- Los datos se transfieren bajo TLS 1.2 con certificados privados. Los datos sensibles (usuarios, contraseñas, configuraciones), además del cifrado en la capa de transporte, se almacenan cifrados.
- Antes de iniciar la instalación, asegúrese de que MS SQL esté configurado para:

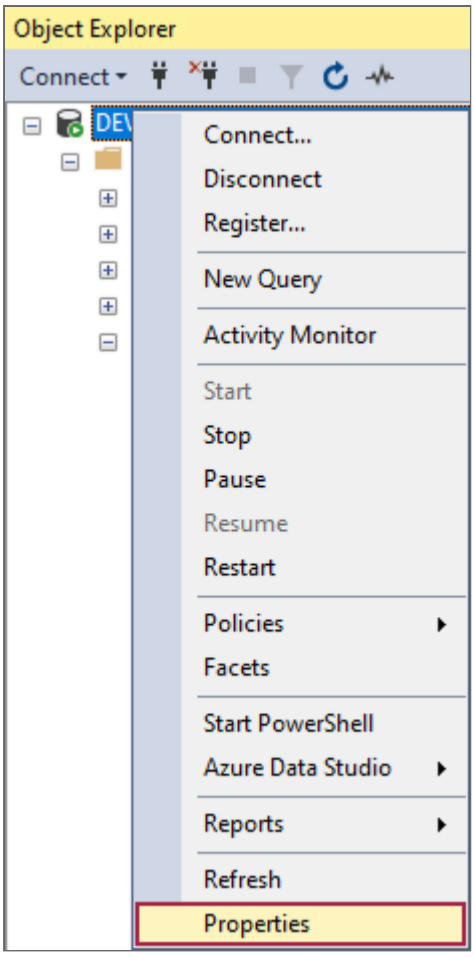
– Permitir conexiones IP en el puerto deseado (1433 predeterminado), desde las direcciones IP deseadas, como se muestra en las siguientes imágenes.

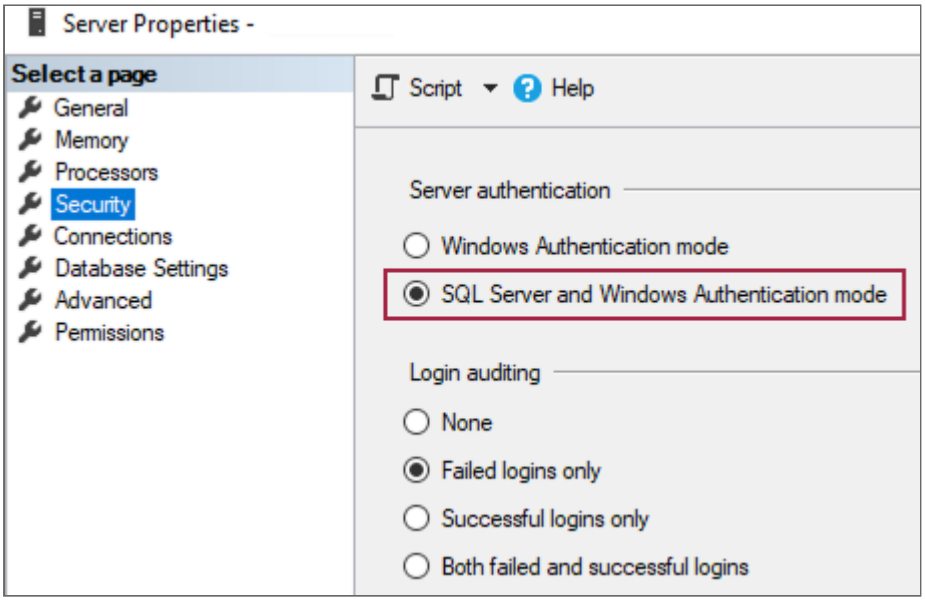




> **Información**
> Puede que sea necesario reiniciar la PC para que la nueva configuración surta efecto en MS SQL.

- Permitir autenticación SQL:
  - En SQL Server Management Studio: Object Explorer, haga clic derecho en **Server** → **Properties** → **Security** → seleccione **SQL Server and Windows Authentication mode** → **Apply**.





- Esta integración admite autenticación de Windows y autenticación SQL (local y basada en dominio).
- Para la autenticación de Windows, tenga en cuenta que la cuenta de usuario actual de Windows (donde se instaló la integración) debe tener acceso a las bases de datos de C•CURE, ya sea para usuarios locales o de dominio. De lo contrario, CT de la integración fallará al conectarse.
- Tenga en cuenta las configuraciones específicas de la base de datos al integrar con Active Directory. Si tiene algún problema con la conexión a la base de datos, abra un ticket para solicitar soporte técnico.

Procedimiento de instalación

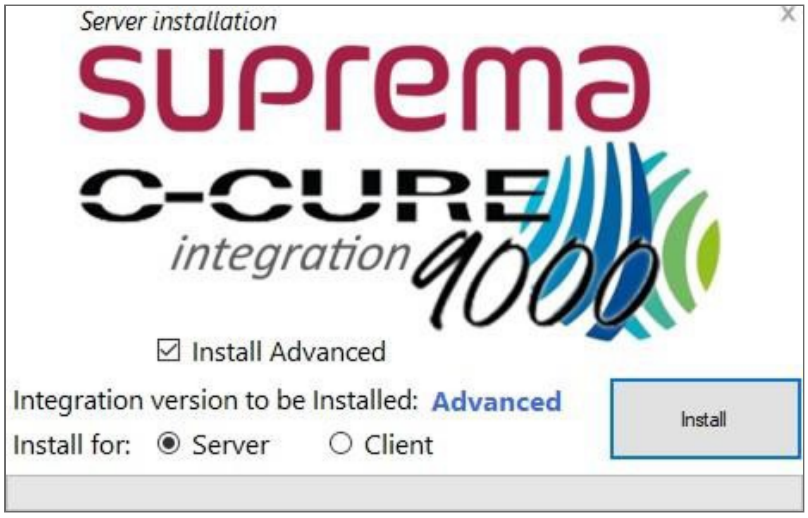
La versión BASIC anterior de esta integración ha quedado obsoleta. Actualmente solo se admite la versión ADVANCED; se proporcionará un instalador específico según la versión de la integración con la que desee trabajar.

Esta guía es para la versión ADVANCED.

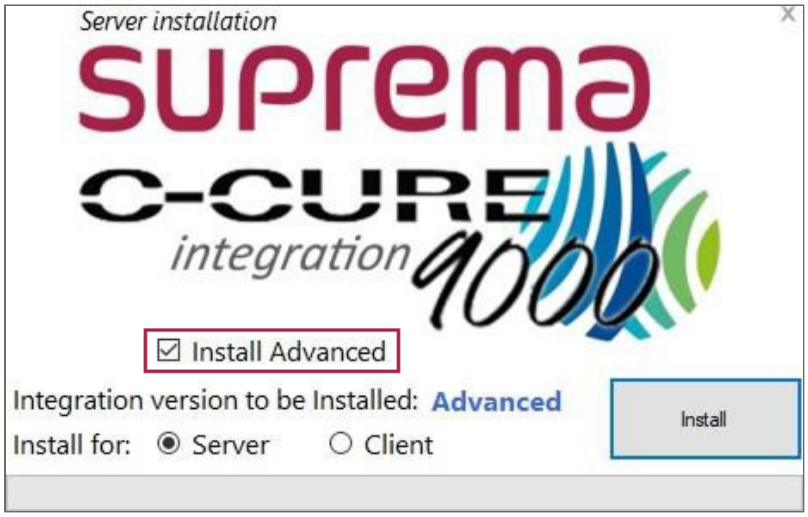
Instalar integración del servidor

> **Información**
> Puede detener por completo los servicios CrossFire antes de iniciar esta instalación y volver a iniciarlos al terminar.

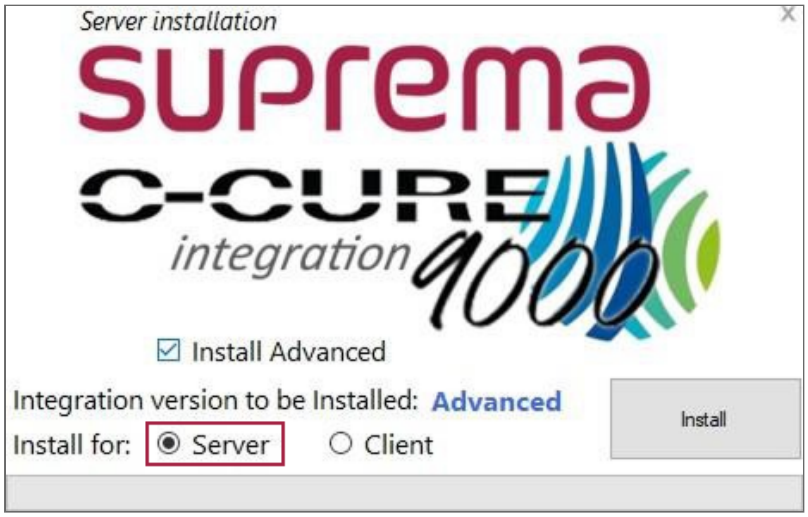
1. Haga doble clic en el programa de instalación (Suprema-CCURE_Integration-v2.x.exe).



2. Primero, elija la versión que va a instalar:

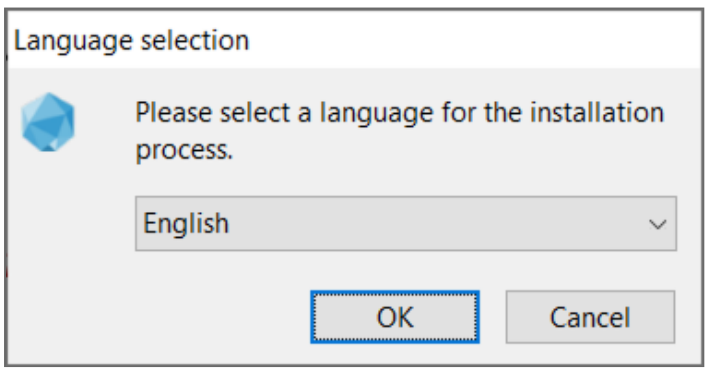


3. Seleccione la opción **Server**, luego haga clic en instalar. Así podrá iniciar el proceso de instalación de la integración del servidor.

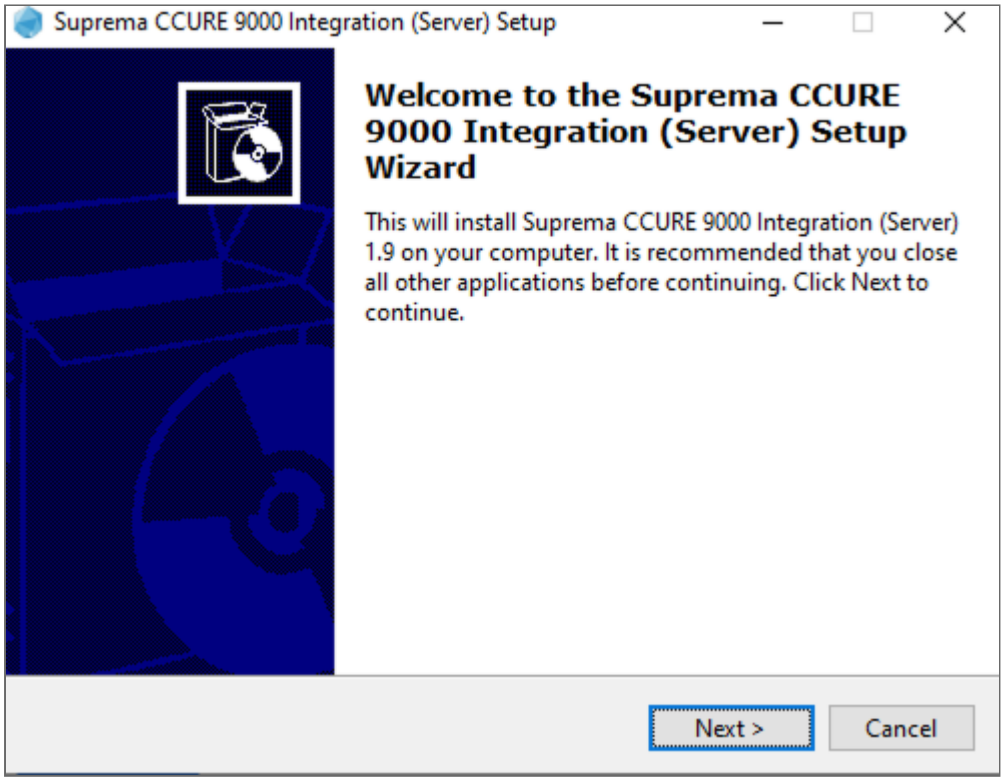


> **Información**
> Como este es un instalador Stub, debe tener en cuenta que SE DEBE proporcionar una conexión constante a Internet.

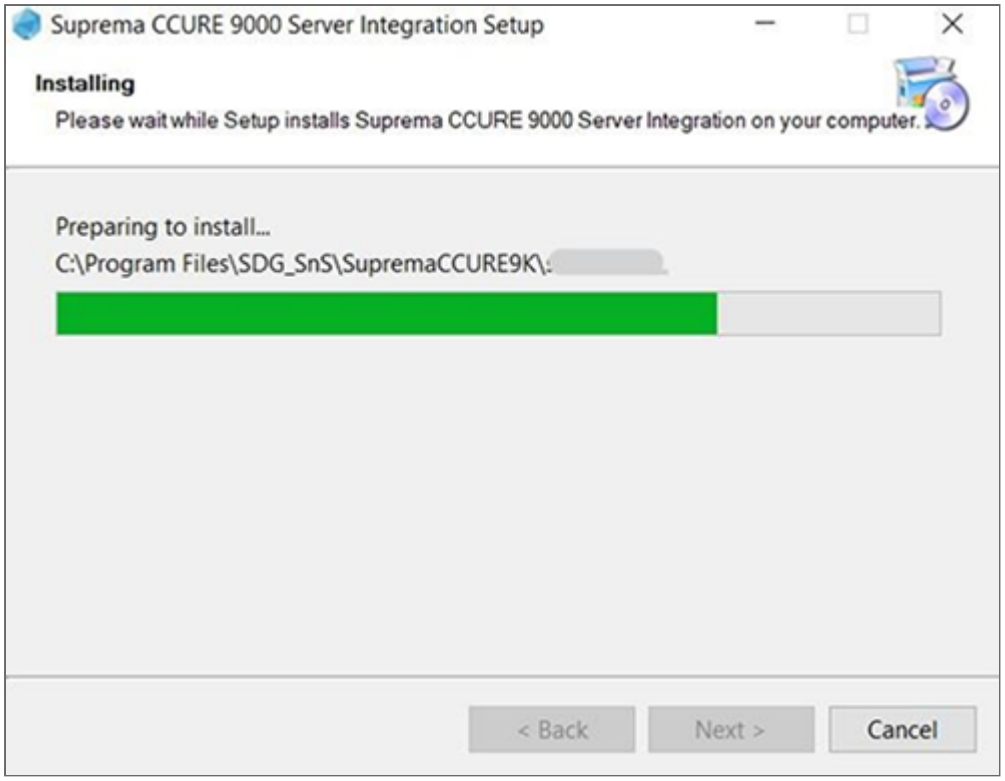
4. Una vez que termine la descarga, se mostrará lo siguiente. Seleccione un idioma y haga clic en **OK**.



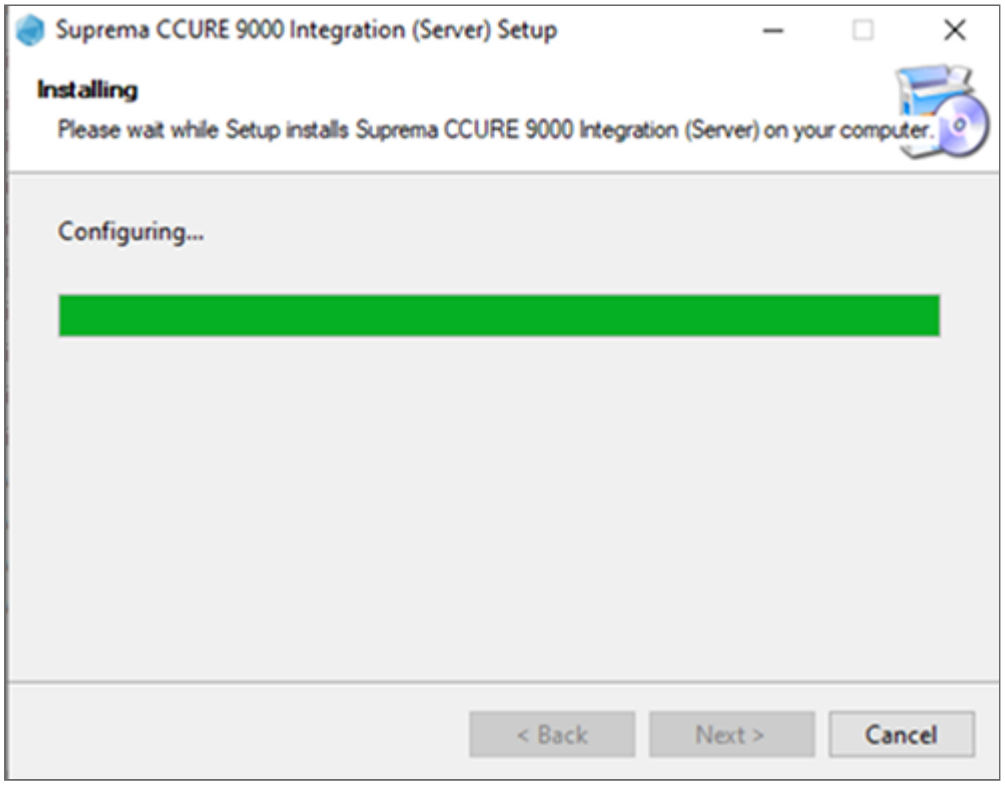
5. El asistente lo guiará durante el proceso de instalación.



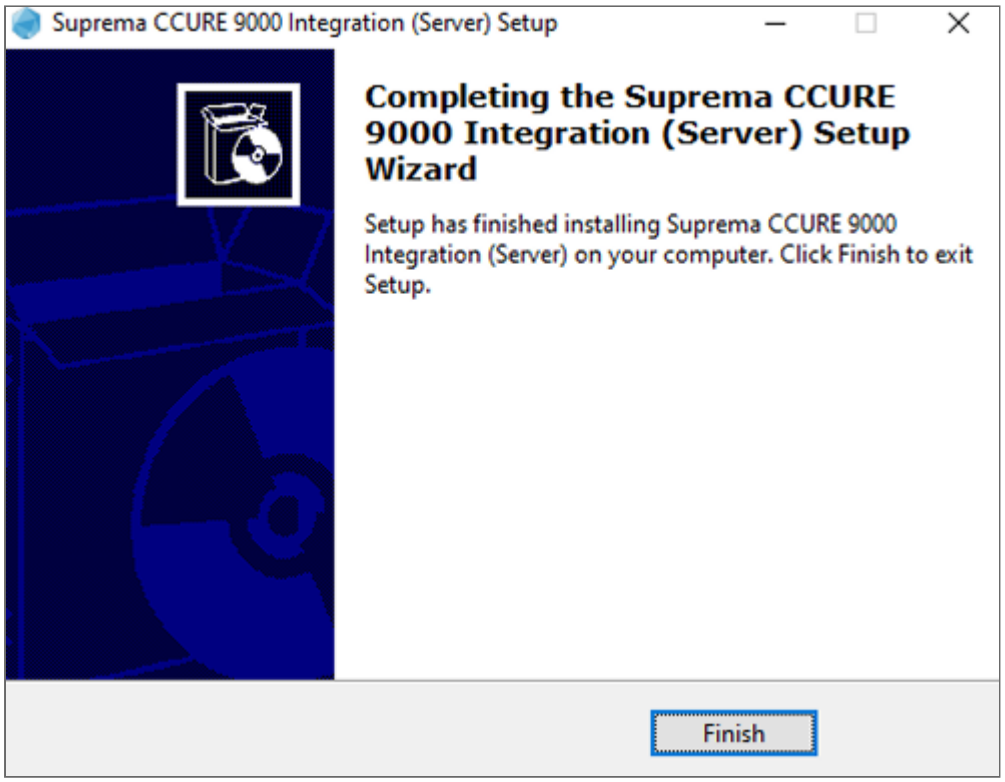
6. Para continuar con la instalación, acepte el acuerdo de licencia y haga clic en **Next**.
7. Verá que el programa de instalación ejecuta el proceso de instalación.



8. El instalador de la integración puede mostrar un par de ventanas CMD mientras aparece el mensaje de instalación:



9. Una vez que termine la instalación, se mostrará la pantalla de instalación.

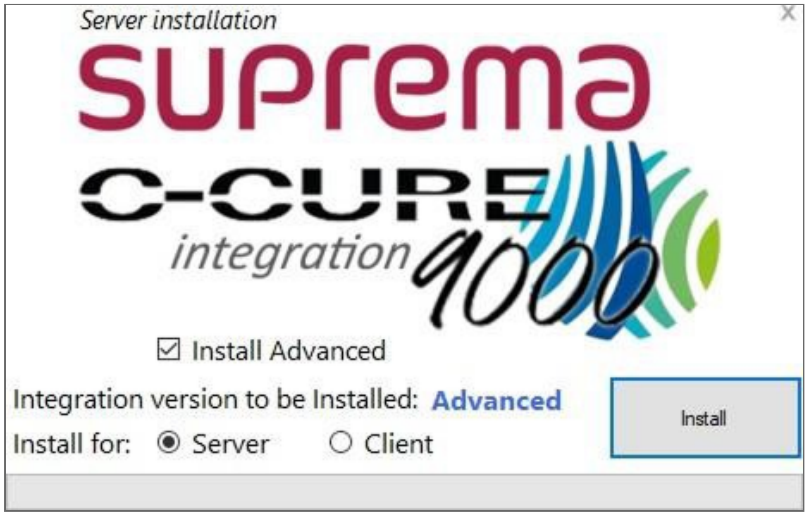


10. Puede que sea necesario reiniciar el sistema después de la instalación.

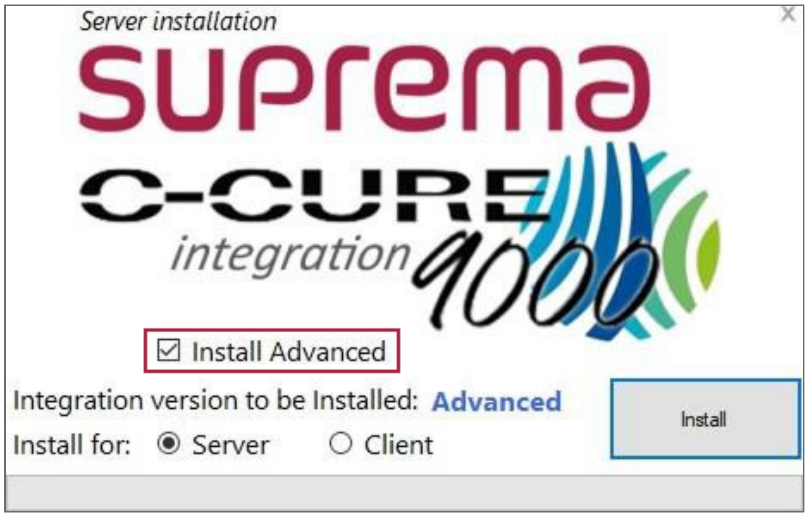
Instalar integración del cliente

> **Información**
> Todas las instancias de Administrator Workstation y Monitoring Station deben cerrarse antes de iniciar esta instalación.

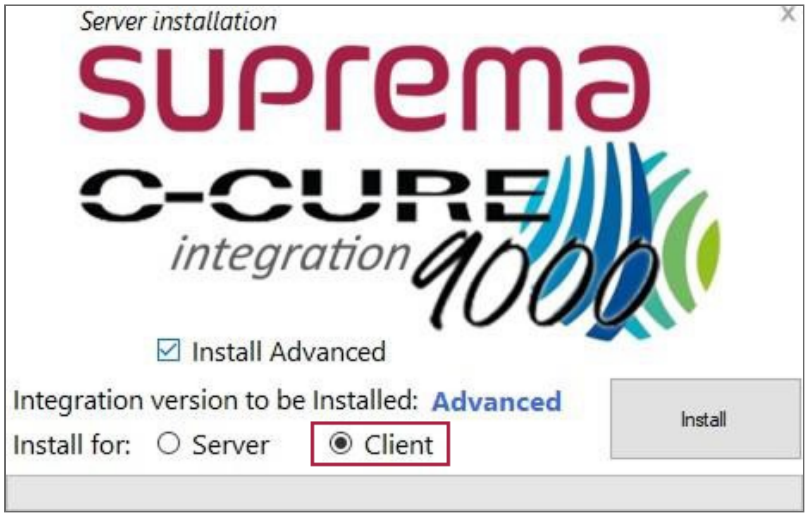
1. Haga doble clic en el programa de instalación (Suprema-CCURE_Integration-v2.x.exe).



2. Primero, elija la versión que va a instalar:

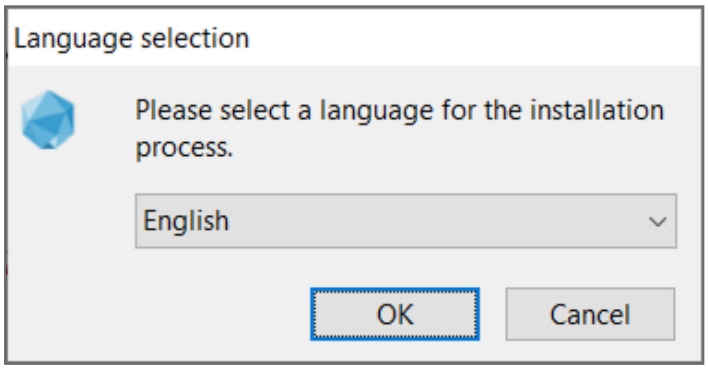


3. Seleccione la opción **Client**, luego haga clic en instalar. Así podrá iniciar el proceso de instalación de la integración del cliente.

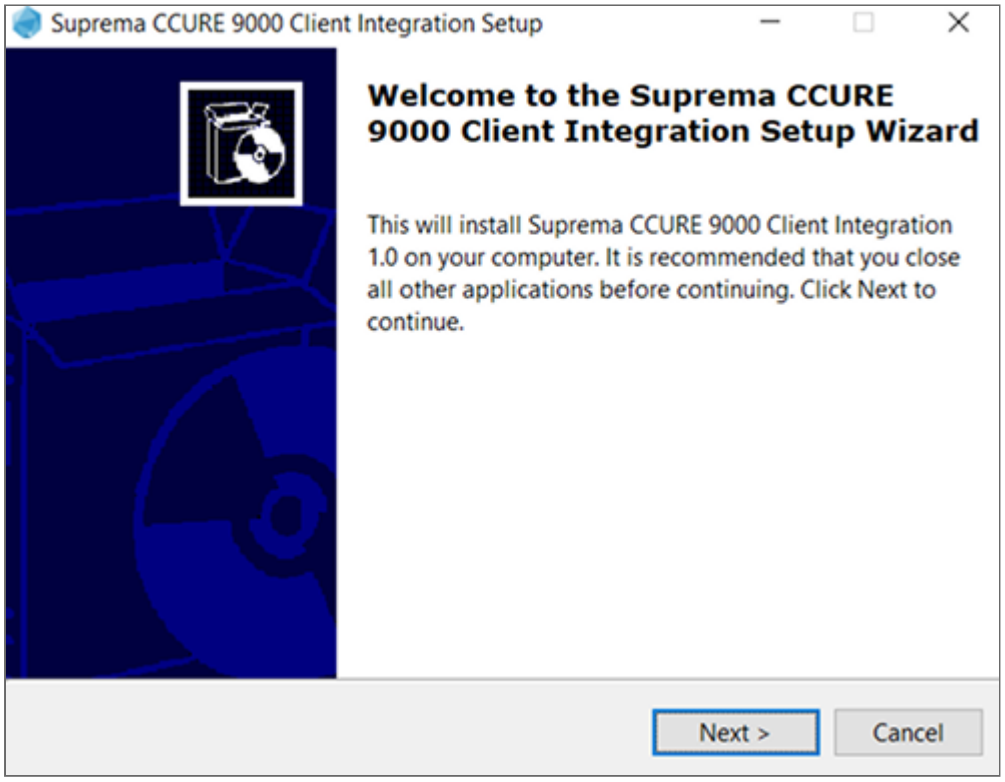


> **Información**
> Como este es un instalador Stub, debe tener en cuenta que SE DEBE proporcionar una conexión constante a Internet.

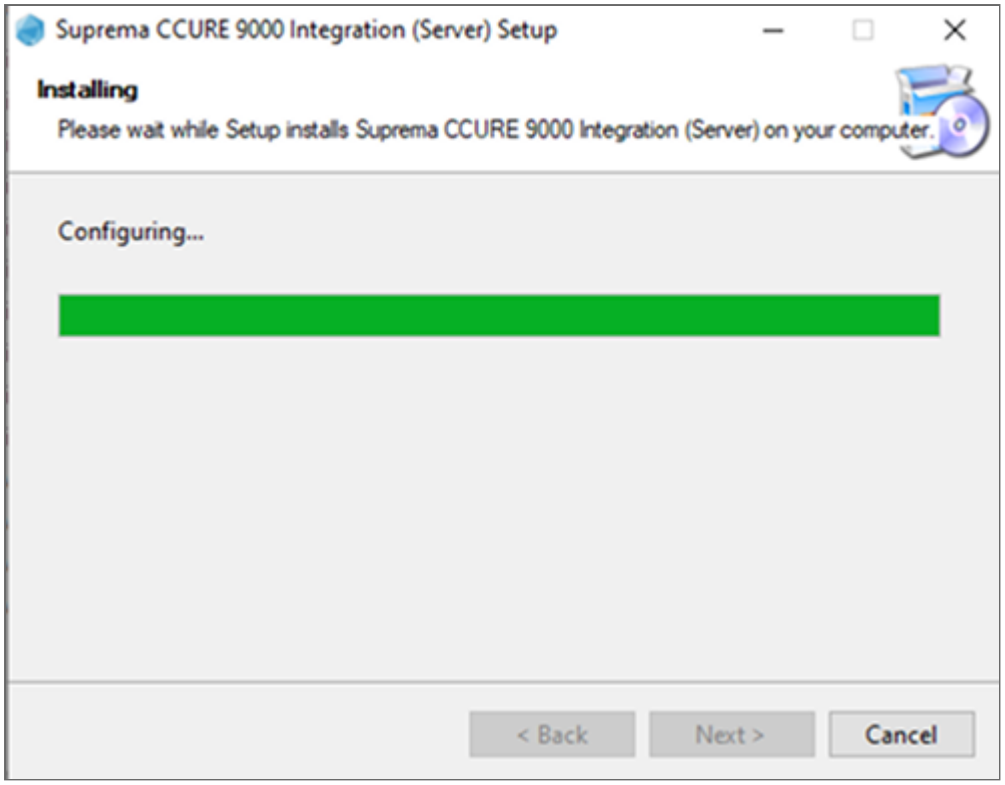
4. Una vez que termine la descarga, se mostrará lo siguiente. Seleccione un idioma y haga clic en **OK**.



5. El asistente lo guiará durante el proceso de instalación.



6. Para continuar con la instalación, acepte el acuerdo de licencia y haga clic en **Next**.
7. El instalador de la integración puede mostrar un par de ventanas CMD mientras aparece el mensaje de instalación:



8. Cierre la ventana una vez que termine la instalación.

Información

- DEBE asegurarse de que la PC tenga acceso a Internet durante toda la instalación.
- Asegúrese de desactivar el antivirus durante la instalación, ya que a veces bloquea el proceso de instalación.
- La instalación del servidor de la integración Suprema - C•CURE debe instalarse en la misma PC donde están instalados el servidor C•CURE y el servidor BioStar 2.

Iniciar sesión

La herramienta de configuración de la integración Suprema - C•CURE es una herramienta web a la que puede acceder desde cualquier lugar de su red, siempre que tenga acceso a la máquina donde se instaló.

A través de esta herramienta de configuración puede ajustar muchos parámetros de esta integración.

Primer inicio

1. Abra su navegador web.

   Recomendamos el navegador Brave, Microsoft Edge o Google Chrome.

2. Se puede acceder a la herramienta de configuración de la integración Suprema - C•CURE mediante:

   > *https://BioStar 2_server_IP_or_Domain_Name:PORT:/modules/SupremaCCURE/index.html*

   Donde el PORT debe ser el mismo que en la configuración del servidor BioStar 2. Puede encontrar el puerto adecuado revisando la app **BioStar 2 Settings** en el menú Inicio, en la PC donde instaló tanto C•CURE 9000 Server como BioStar 2 Server.

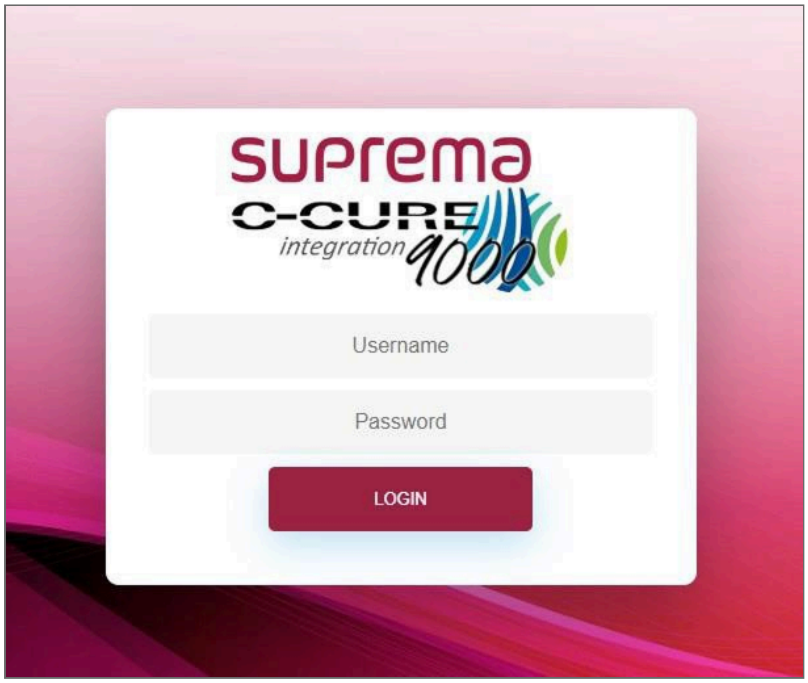
   > *https://127.0.0.1:443/modules/SupremaCCURE/index.html*

   Información

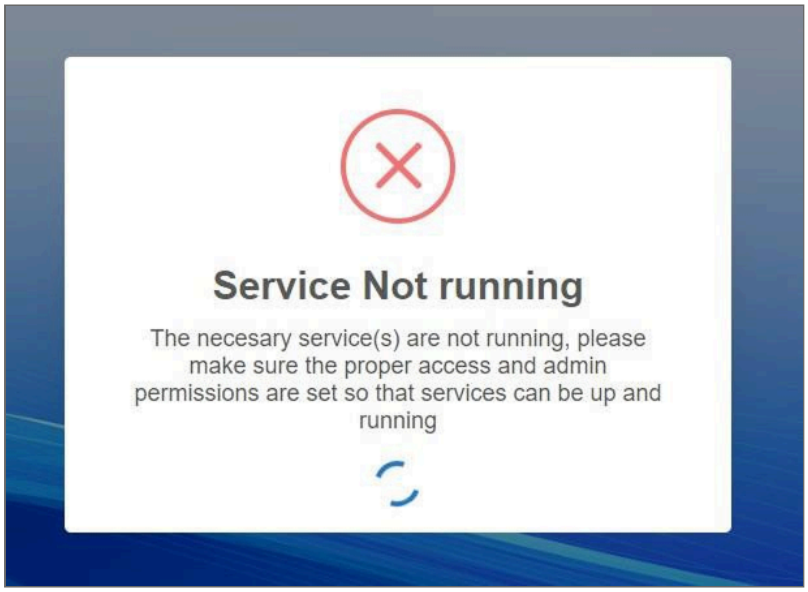
   ¿Tiene problemas para encontrar la dirección IP o el nombre de dominio? Consulte la sección de solución de problemas.

3. Debe iniciar sesión con las credenciales de administrador de Suprema. El ID de la cuenta de administrador es *admin* y la contraseña es la que configuró al instalar BioStar 2 Server.

4. Cuando inicie sesión por primera vez, puede ver en pantalla la advertencia "*Not secure*". Esto se debe a que se usan certificados privados (auto-firmados). Haga clic en **OK** y verá la siguiente pantalla de inicio de sesión.

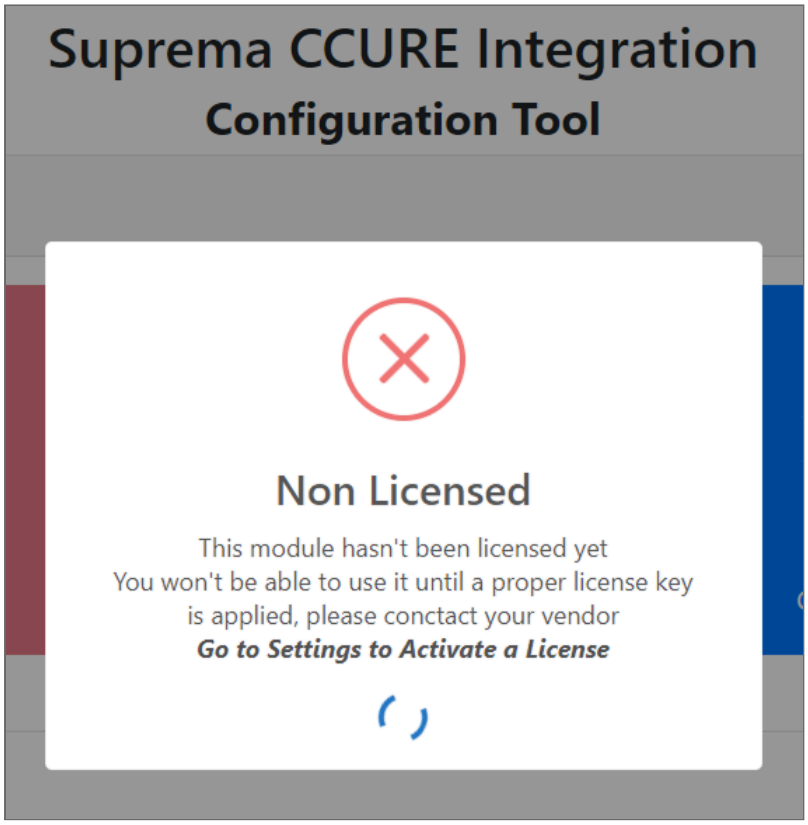


Si justo después de que aparezca la pantalla anterior se muestra el siguiente aviso:



Vaya a la sección de solución de problemas: qué hacer cuando aparece el aviso **Service Not running** en CT de la integración.

5. En el primer inicio o cuando no tenga una licencia válida en el sistema, verá el siguiente aviso en pantalla:

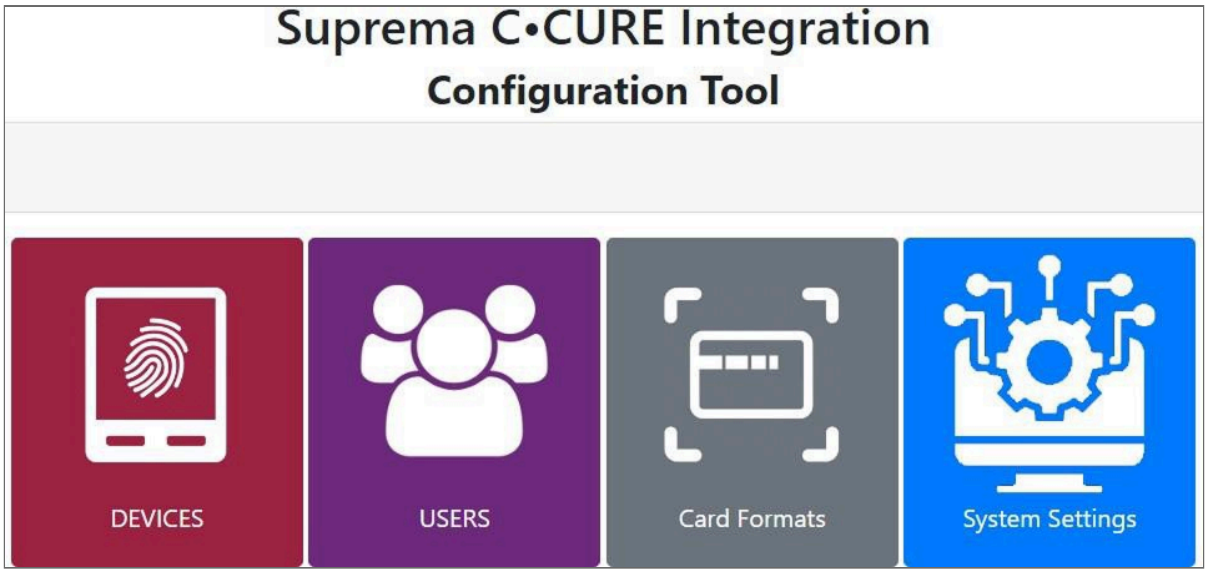


6. La herramienta de configuración de la integración mostrará un mensaje de advertencia indicando que debe ir a **System Settings**.

7. Dentro de **System Settings** podrá activar sus licencias.

Menú principal

Se mostrará el siguiente menú:



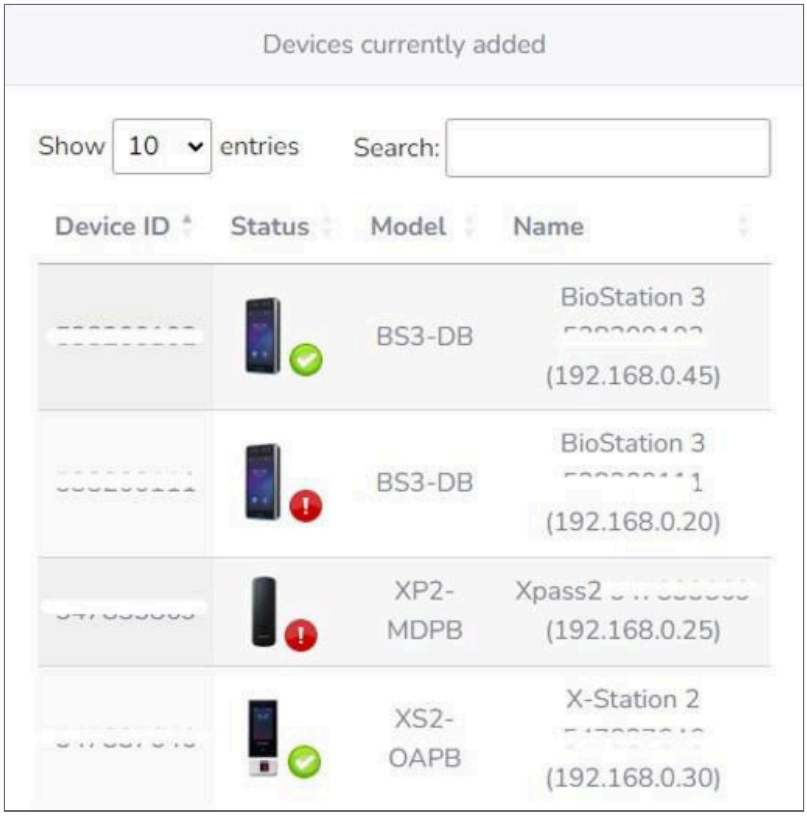
Agregar dispositivos

Después de realizar las conexiones físicas entre su controlador iStar y los dispositivos Suprema, puede agregar los dispositivos a la plataforma mediante el menú ADD DEVICES de la herramienta de configuración de la integración Suprema

- C•CURE.



Permite agregar o eliminar nuevos dispositivos del sistema. Una vez seleccionado, haga clic en el botón **Add/Update**. Los dispositivos agregados actualmente aparecerán en la columna izquierda (si hay alguno).



Junto al icono del dispositivo verá el estado del dispositivo: si es verde, significa que el dispositivo está en línea y funciona bien; si es rojo, el dispositivo no está en línea.

También verá el ID del dispositivo, el modelo específico y el nombre con el que se registró.

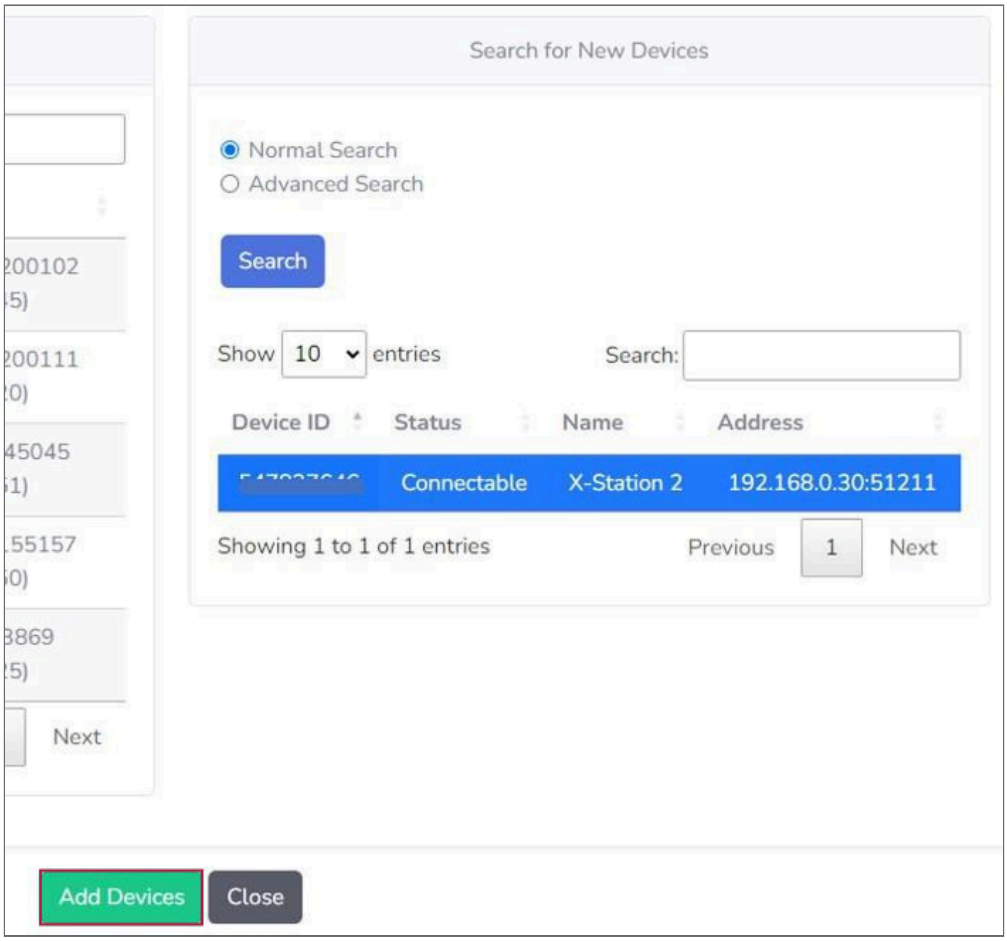
Si desea agregar más dispositivos, consulte la columna del lado derecho de la pantalla:



Después de hacer clic en el botón **Search**.



Los resultados pueden aparecer como se muestra en la siguiente imagen.



Haga clic en los dispositivos que desea agregar a la plataforma y haga clic en el botón **Add Devices** para ejecutar la acción.

Ahora, la búsqueda Normal ejecutará una búsqueda UDP de dispositivos Suprema en su red, mientras que la búsqueda avanzada:



Ejecutará una búsqueda TCP para un par específico de dirección IP y puerto para ubicar un dispositivo a la vez.



Los resultados aparecerán en su pantalla.



Del mismo modo que en el caso anterior con la búsqueda Normal, una vez que seleccione al menos un dispositivo, el botón **Add Devices** se habilitará y le permitirá ejecutar la acción.

Después de agregar al menos un dispositivo y de que esos dispositivos agregados estén correctamente configurados con el panel iStar, podrá agregar biométricos a los usuarios desde C•CURE 9000 v2.90, v3.0, v3.10.

Información

- Tenga en cuenta que sus dispositivos Suprema deben tener la licencia adecuada antes de agregarlos a la integración. Si no tienen licencia, no podrá agregarlos ni trabajar con ellos.
- Si tiene preguntas sobre las licencias de dispositivos, consulte la sección QnA al final de este documento.

Operaciones masivas con la integración Suprema - C•CURE

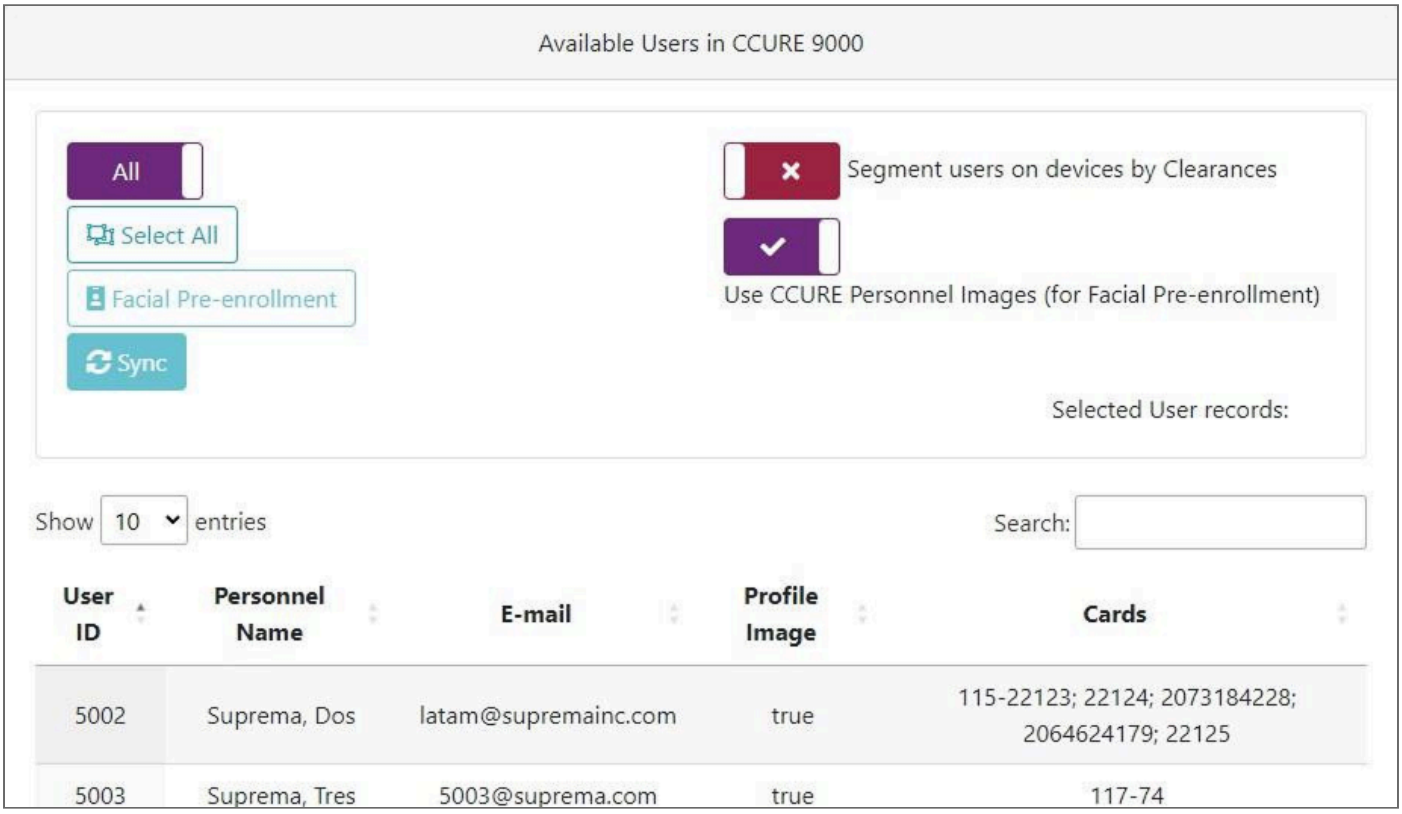
Estas operaciones están disponibles como una forma práctica de iniciar la integración si tiene un sistema con varios usuarios y credenciales existentes en CCURE.

Sincronización de usuarios

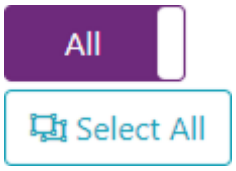
El menú *Users* está disponible en el menú principal de la herramienta de configuración de la integración:



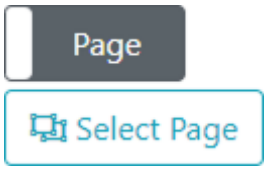
Puede usar esta función para sincronizar por lotes a todos los usuarios de CCURE 9000 en dispositivos Suprema. Una vez que haga clic en el menú, verá lo siguiente:



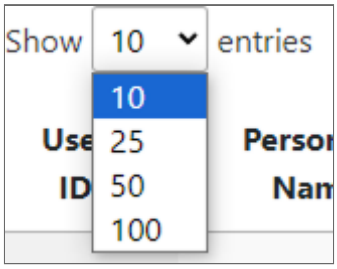
Las opciones disponibles:



Le permite seleccionar a TODOS los usuarios o, si hace clic en el botón de cambio **All**, cambiará a:



Es decir, seleccionar todos los usuarios de la página *actual*. Eso dependerá de si configuró la interfaz para mostrar 10, 25, 50 o 100 entradas a la vez, como se muestra en la siguiente imagen:

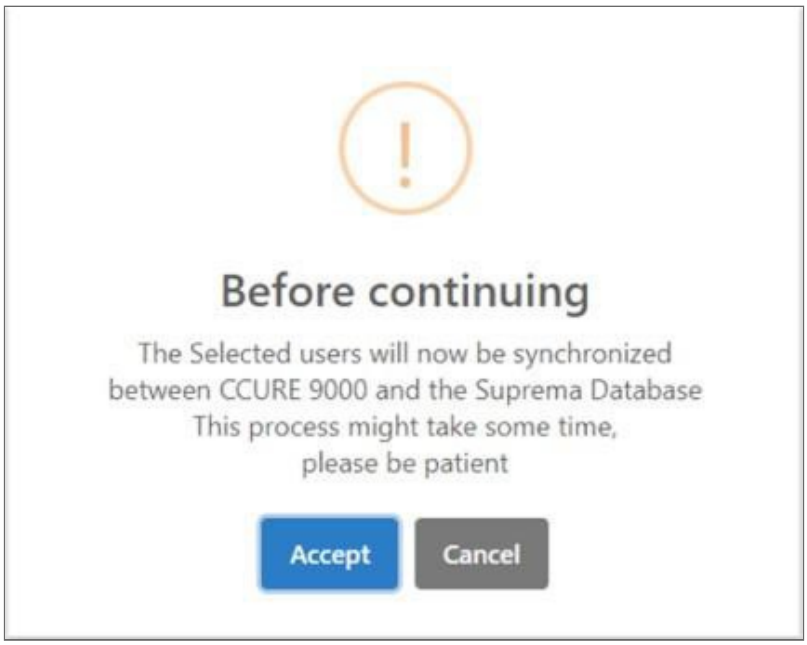


Para cualquiera de las opciones que seleccione, una vez que haga clic en el botón **Select**, los registros de usuarios se seleccionarán automáticamente y **Selected User records** mostrará automáticamente cuántos usuarios ya se seleccionaron:

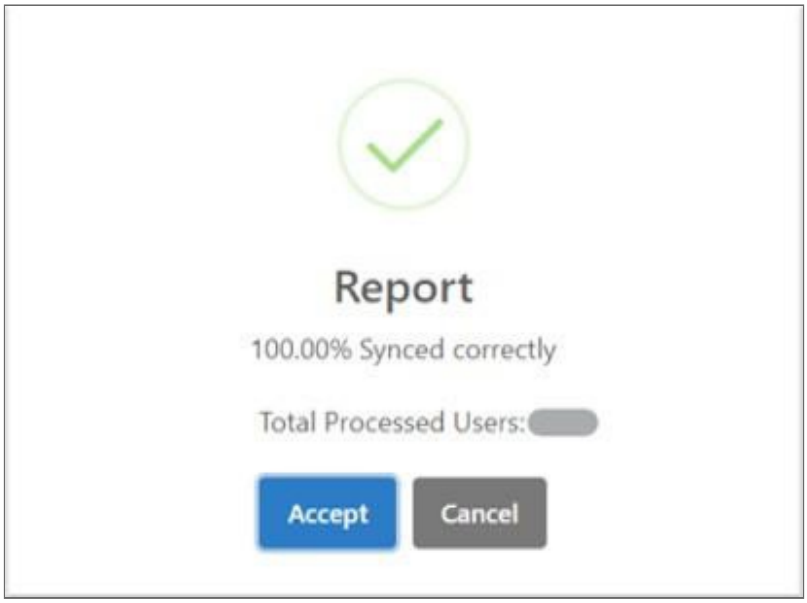


Después de seleccionar la cantidad de usuarios que desea sincronizar masivamente, haga clic en el botón 

, y se mostrará el siguiente aviso.

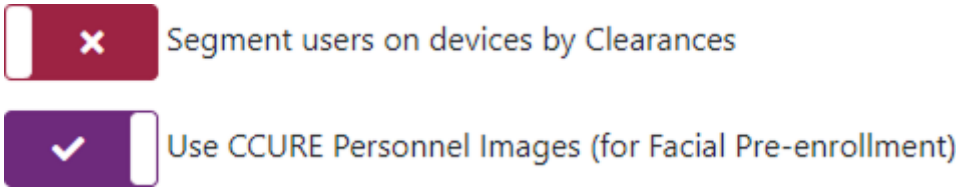


Una vez que termine el proceso, verá un aviso como este:

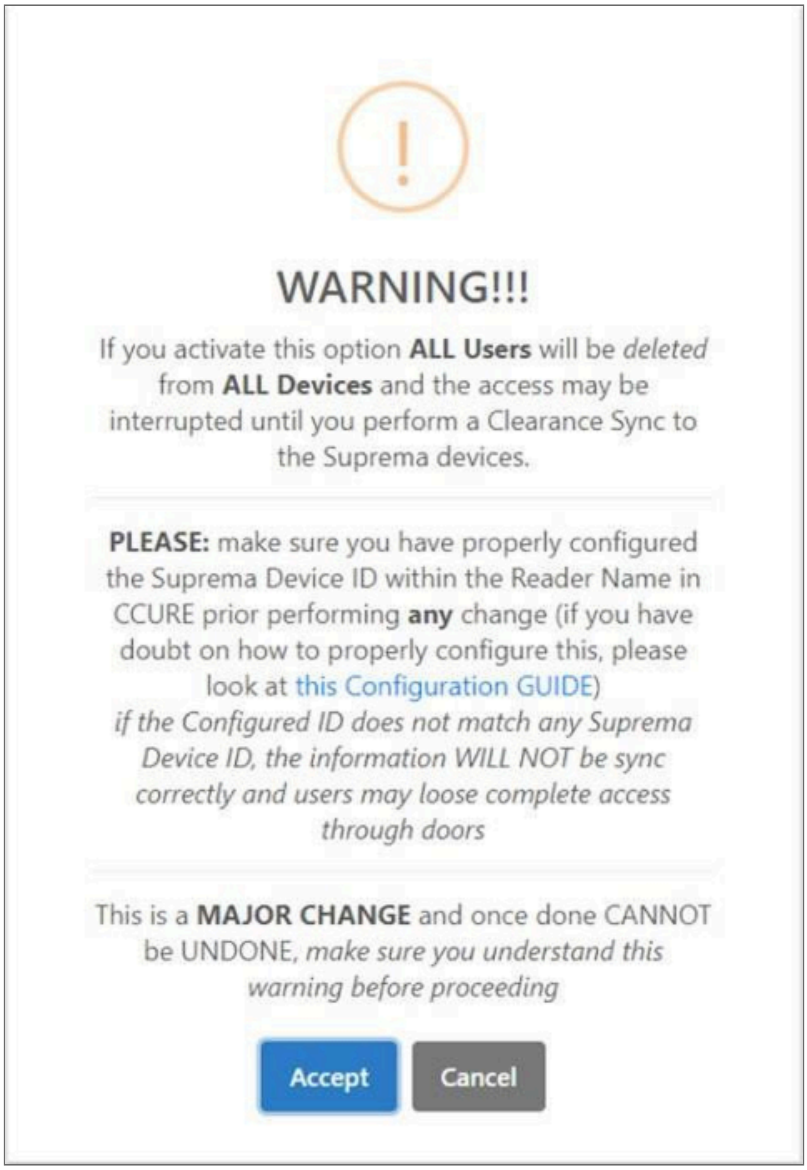


Le informará los resultados de la operación y mostrará la cantidad de usuarios procesados correctamente. Si se produce un error con algún usuario, el informe también permitirá descargar una lista de los usuarios con error para facilitar la solución de problemas.

Las siguientes opciones:



La primera opción, como indica su nombre, le permite realizar una segmentación automática de usuarios según las autorizaciones de C•CURE. Cuando haga clic para activar la opción, se mostrará el siguiente aviso:



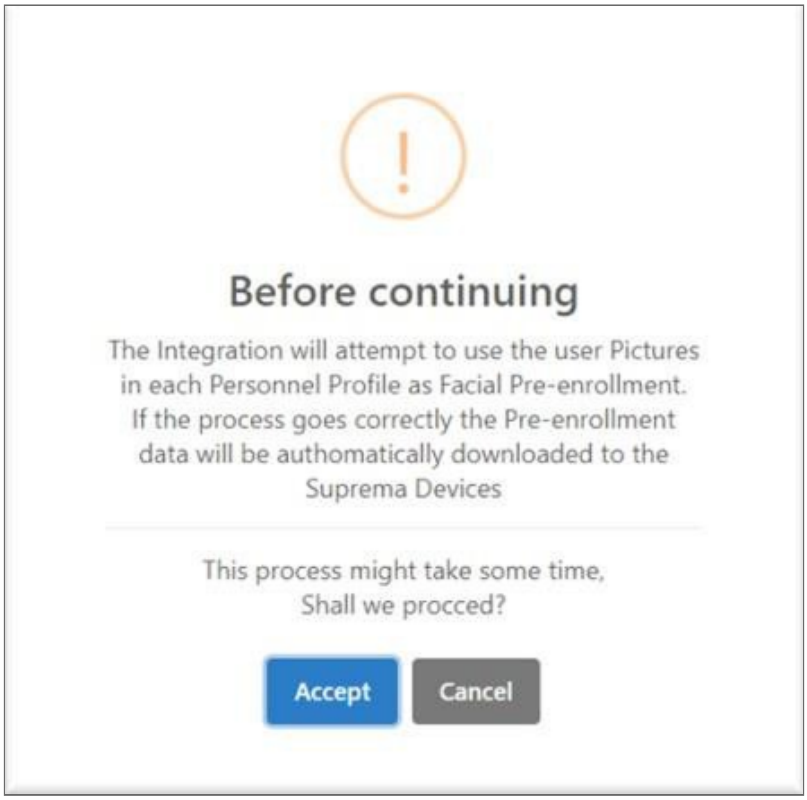
Se incluye una guía en el enlace **this configuration GUIDE** proporcionado. Por lo tanto, lea con atención esa guía antes de aplicar ese cambio en el proceso de sincronización de usuarios con dispositivos.

La segunda opción, cubierta en parte en la sección anterior, le permite usar las imágenes del personal de C•CURE para el preenrolamiento de credenciales faciales.

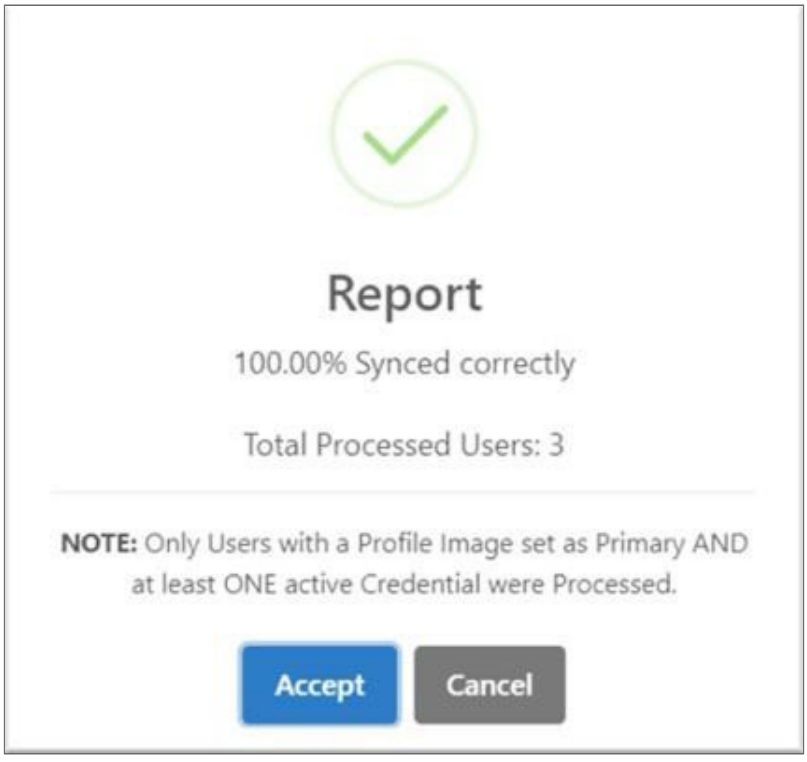
En este menú se activará la opción y permitirá realizar esta función cuando la solicite.

Luego, siga el mismo procedimiento explicado antes para seleccionar a los usuarios que desea incluir en el proceso y haga clic en el botón Facial Pre-enrollment; tenga en cuenta que solo se procesarán los usuarios con una imagen de perfil en C•CURE.

Se mostrará el siguiente aviso para pedirle confirmación antes de continuar:



Como en la función anterior, este proceso terminará con un informe:



Información

Tenga en cuenta que, antes de iniciar esta opción, necesita sincronizar a los usuarios. A menos que esté seguro de que los usuarios seleccionados ya se sincronizaron con los dispositivos Suprema.

La interfaz gráfica le mostrará cuántos usuarios se obtuvieron de CCURE, por ejemplo:

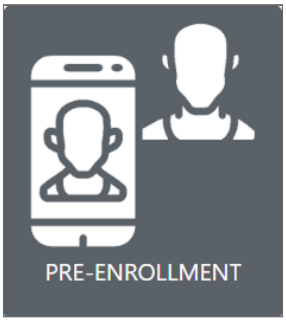
Showing 1 to 10 of 26 entries

Tenga en cuenta que la cantidad que se muestra aquí puede diferir del número de usuarios que se muestra en C•CURE, ya que la integración solo obtendrá usuarios que cumplan con estas condiciones:

- No deshabilitados.
- Tengan al menos **UNA** credencial activa, es decir, credenciales que no se hayan marcado como perdidas, vencidas, deshabilitadas, revocadas, etc.

Preinscripción

El menú *Pre-Enrollment* está disponible en la herramienta de configuración de la integración:



Los datos que se muestran en este cuadro de diálogo le permitirán seleccionar individualmente o enviar por lotes un correo electrónico a los usuarios para habilitar el preenrolamiento de biometría facial desde sus dispositivos móviles.

Users available for pre-enrollment

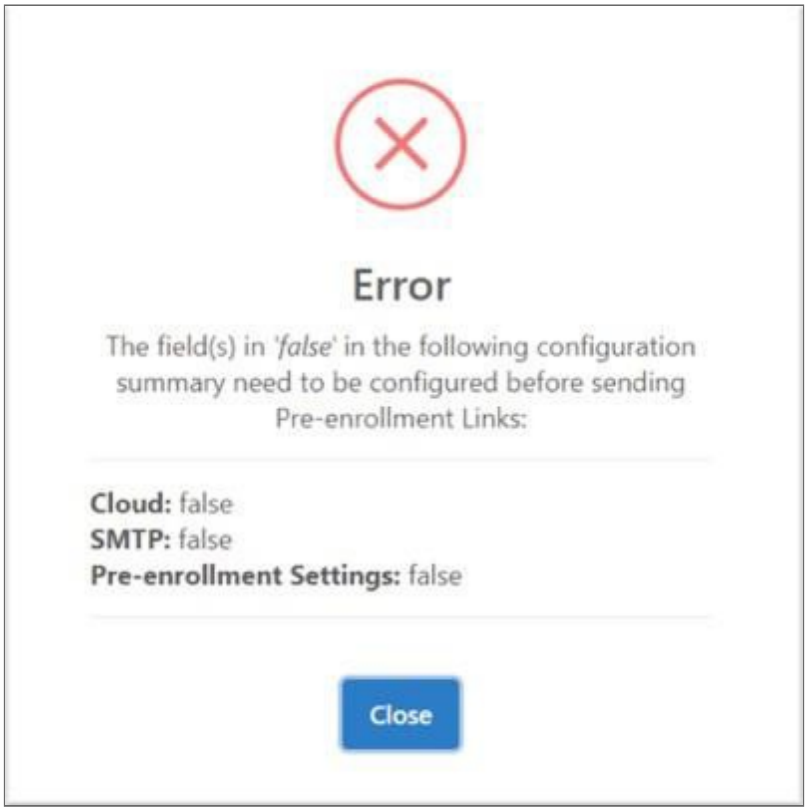
Send Pre-enrollment link | Select All

Show 10 entries | Search:

User ID	Personnel Name	Active	E-mail	# Cards	# Fingers	# Faces
12	Usuario Prueba	true		0	0	0
101	test123	true		0	0	0
103	TEST103	true		0	0	0
1000	OLZ	true		0	0	0
5000	Suprema, Jesus	true		0	0	1
5001	Suprema, Jesus Life	true	loest.loberi@gmail.com	0	0	1
5002	Suprema, Dos	true	latam@supremainc.com	5	0	1
5003	Suprema, Tres	true	5003@suprema.com	1	0	1

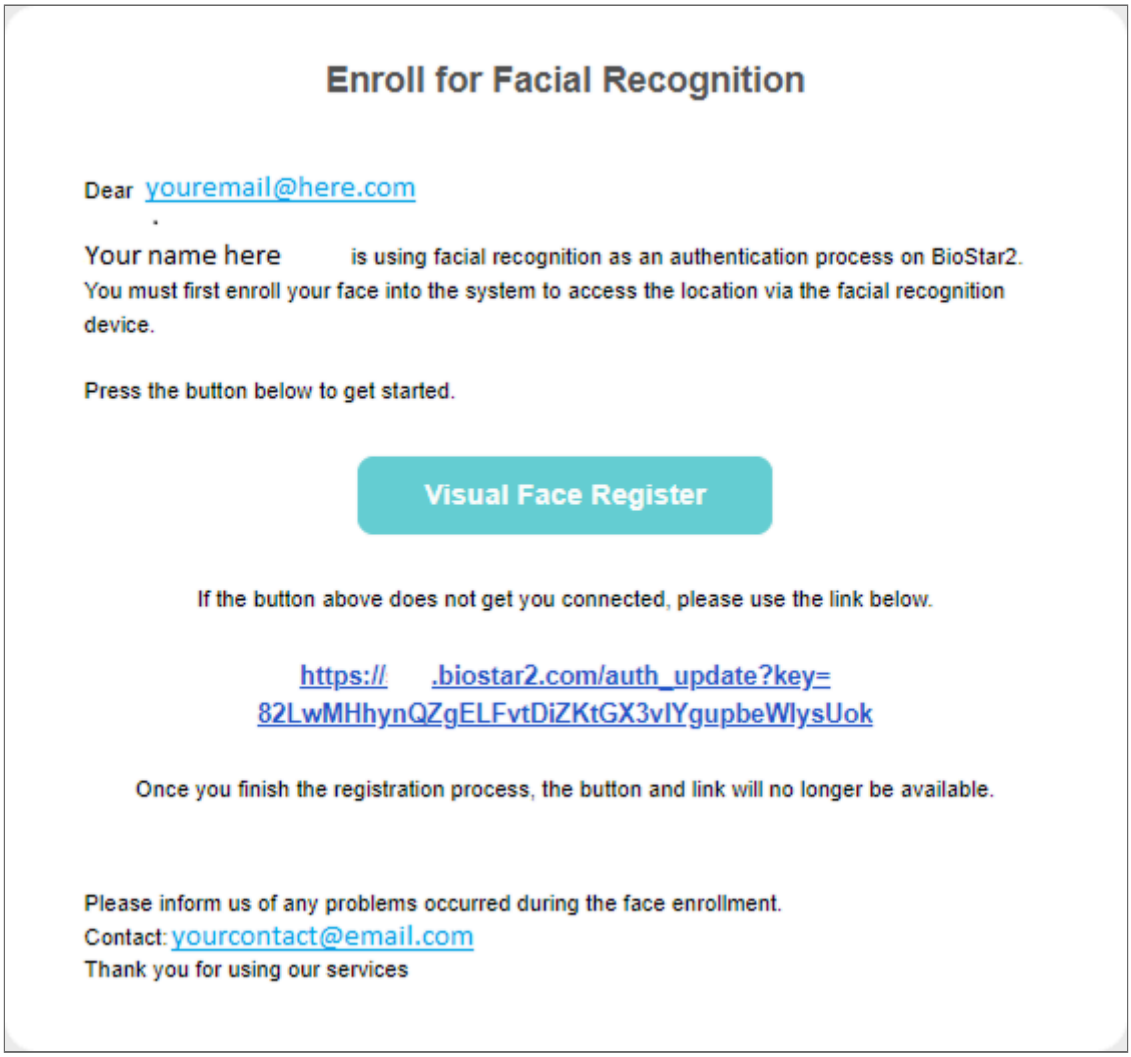
Tenga en cuenta que, aunque seleccione a un usuario, si el usuario seleccionado no tiene una dirección de correo electrónico ya configurada en su perfil, no se incluirá en el proceso.

Esta función también valida que toda la configuración previa necesaria ya esté establecida; si no, mostrará una ventana de información para que sepa qué le falta configurar antes de enviar los enlaces de preenrolamiento, por ejemplo:



Con esta información puede ir a la configuración específica y revisar su configuración. Después de hacerlo, puede seleccionar de nuevo el botón Send Pre-enrollment link y el proceso se ejecutará correctamente.

Después de que termine el proceso, podrá recibir un correo electrónico como el que se muestra abajo:



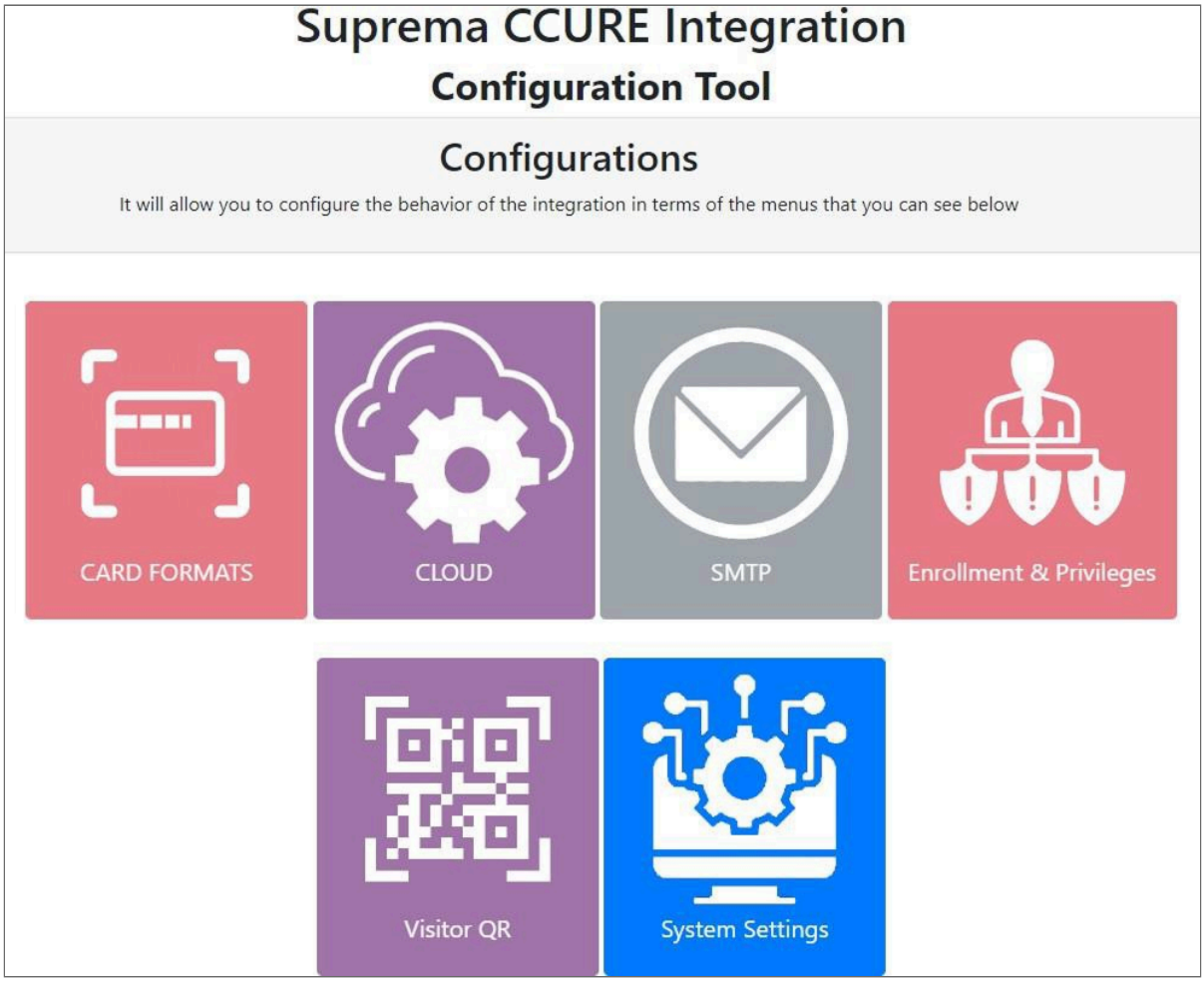
Debe seguir las instrucciones indicadas en la URL que aparece en el mensaje de correo, y una vez hecho esto, su credencial facial de preenrolamiento estará lista la primera vez que se coloque frente a cualquier dispositivo Suprema compatible.

Más ajustes disponibles para la configuración

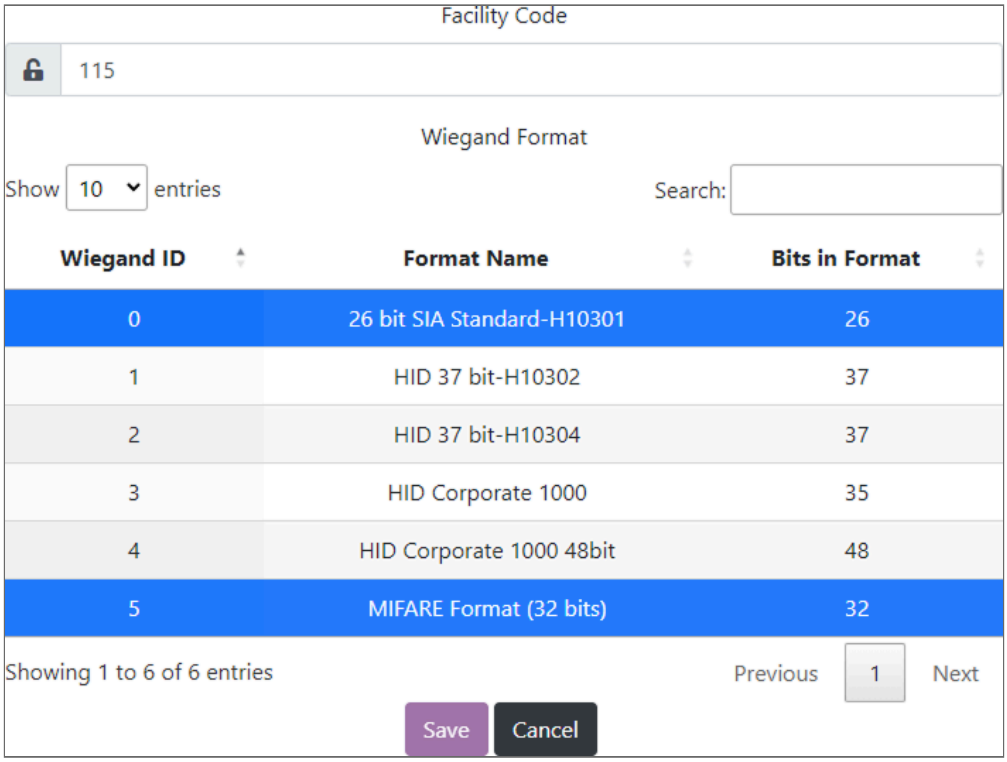
Después de hacer clic en el menú Configuration:



Se mostrarán los siguientes ajustes:



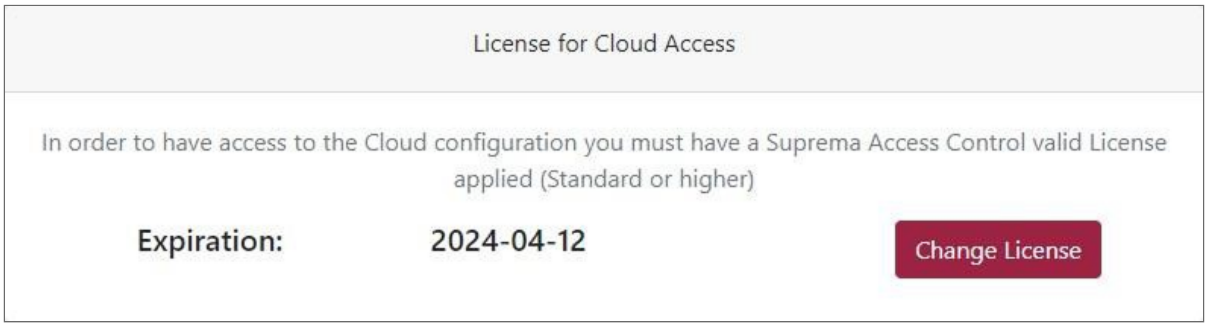
Formatos de tarjeta



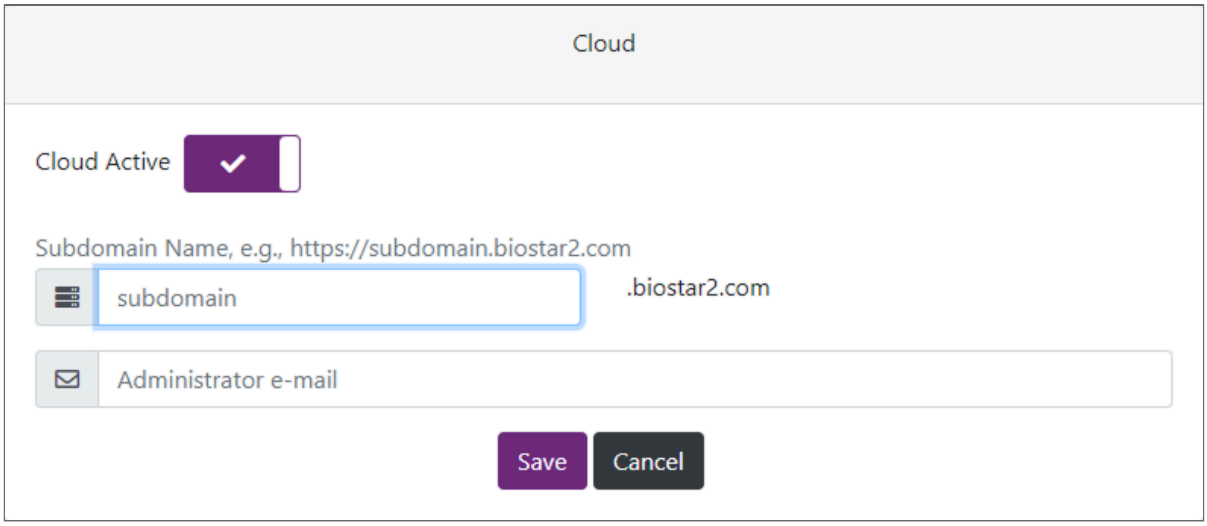
- Le permite configurar un código de instalación global.

- Seleccione y configure formatos Wiegand para configurar la interfaz entre el panel iStar y los dispositivos Suprema.
- Tenga en cuenta que, si su sitio tiene más de un código de instalación, cada tarjeta en la pestaña Credentials de la vista Personnel debe tener su propio código de instalación. De lo contrario, la sincronización puede comportarse de forma inesperada.

Nube



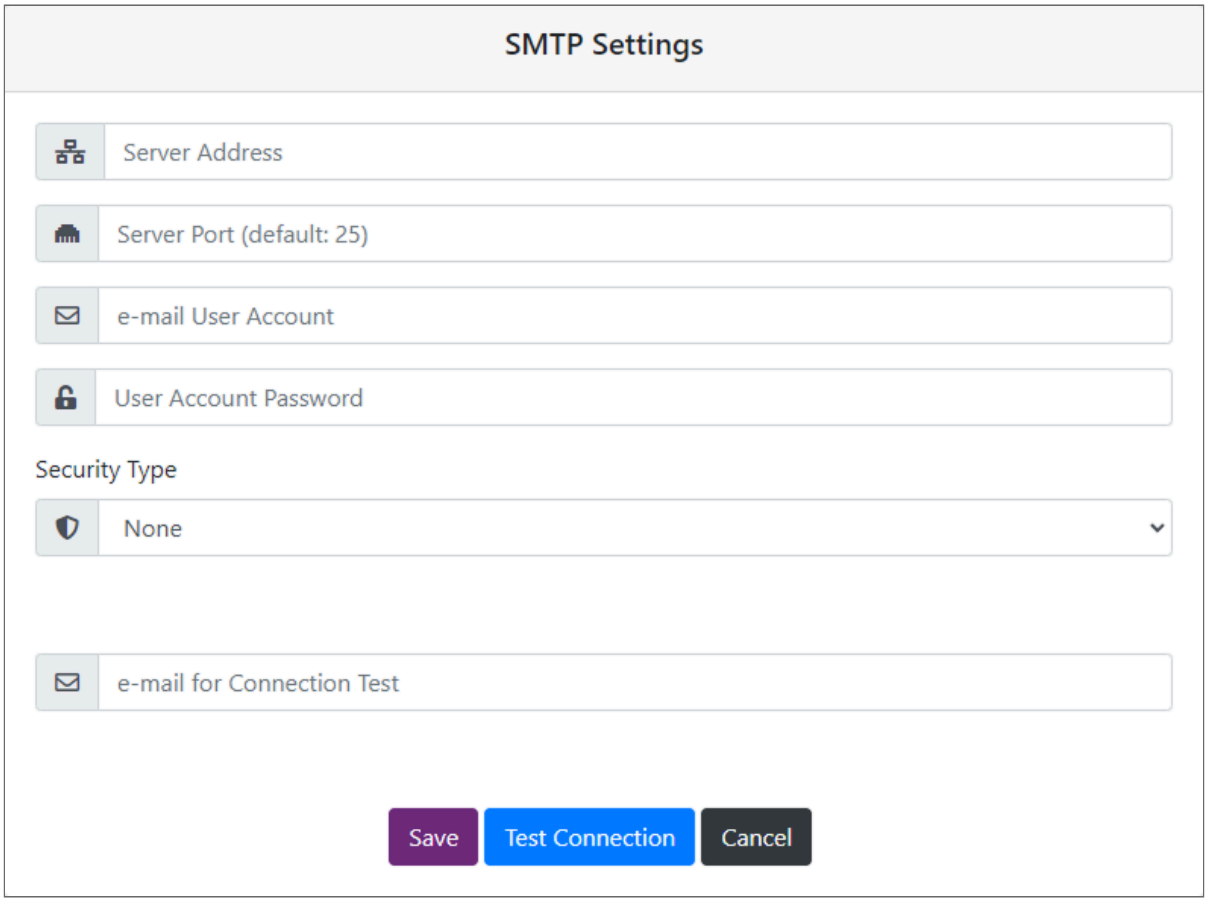
Le permite validar una licencia Suprema AC para usar la funcionalidad de Suprema Cloud.



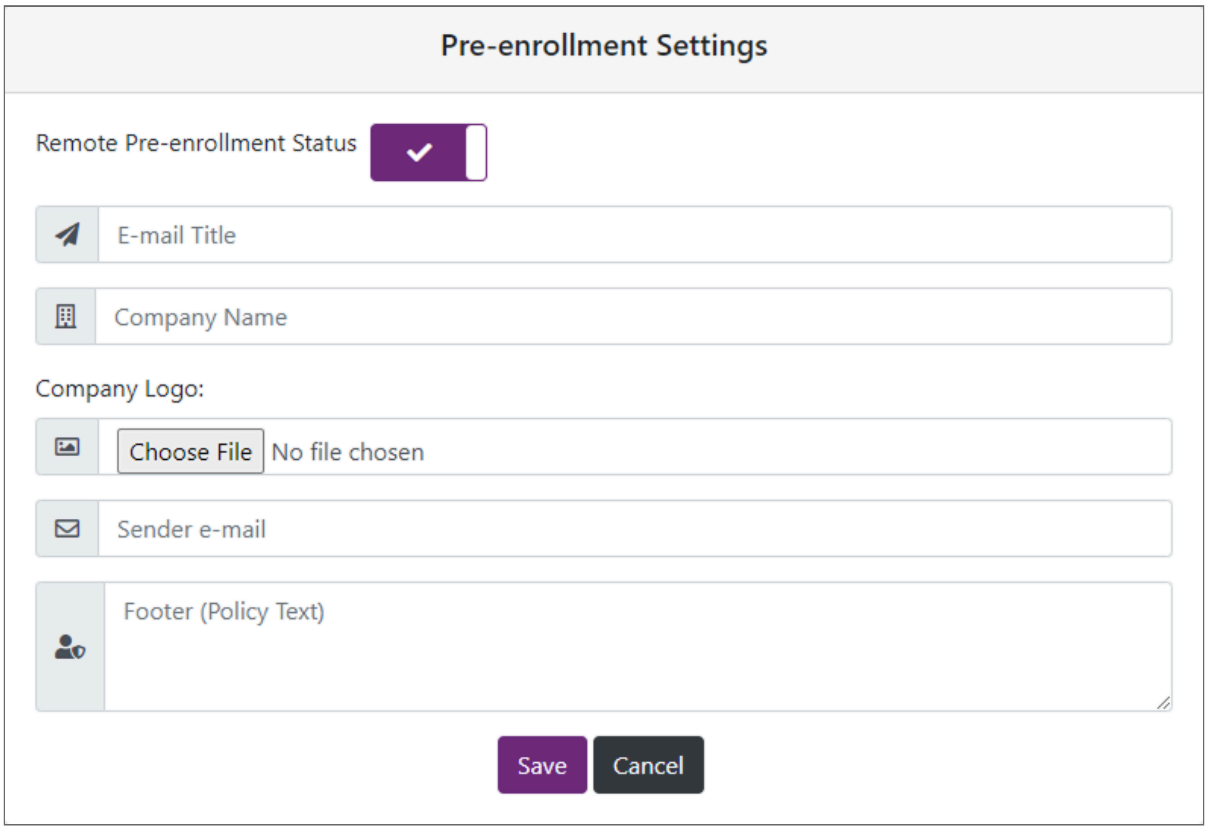
Una vez validada la licencia, podrá configurar un nombre de subdominio para su servidor.

SMTP

Le permite configurar el acceso SMTP para su servidor para poder usar la función de preenrolamiento (individual y masiva).



También le permite personalizar el correo que se enviará a sus clientes o usuarios.

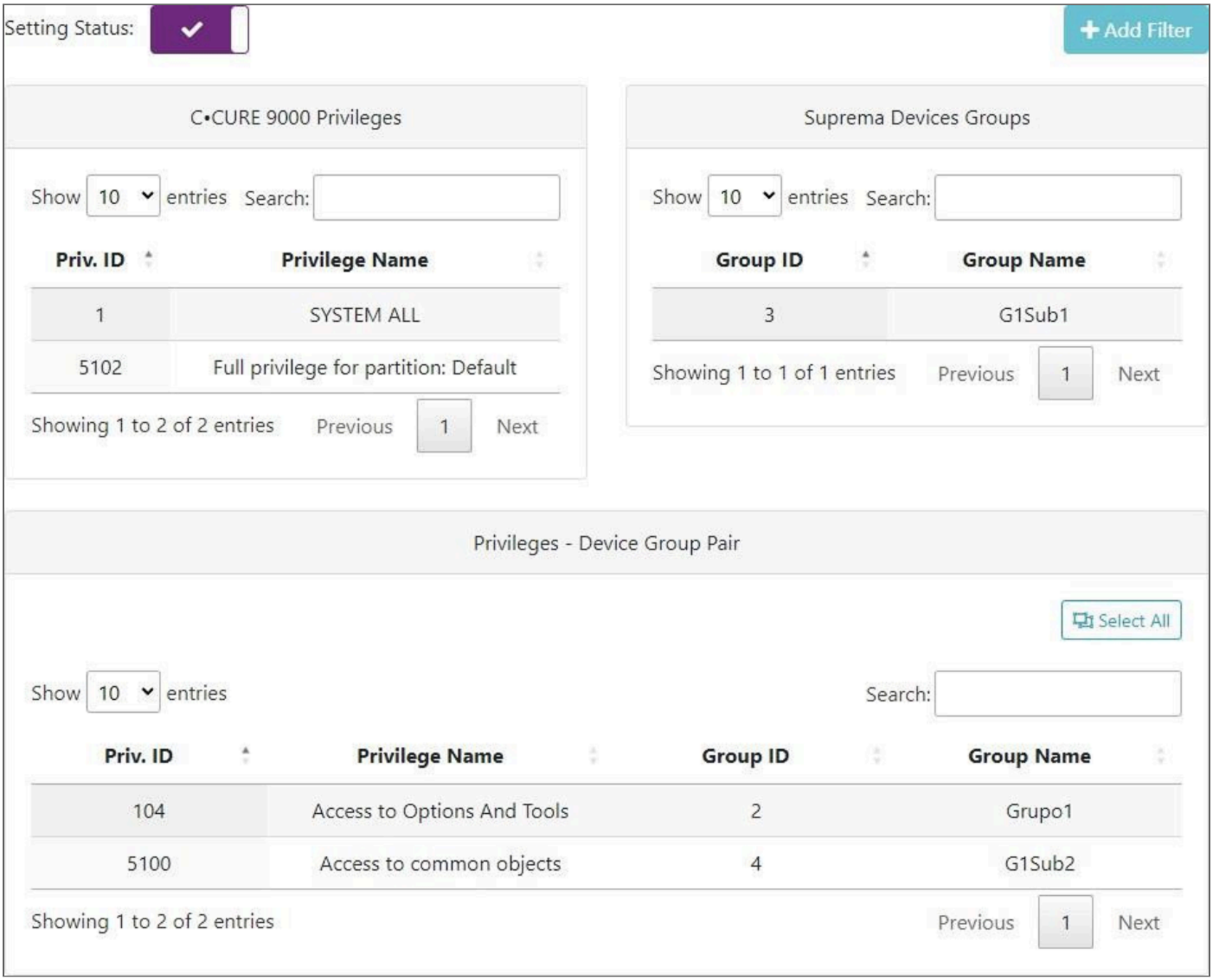


Enrolamiento y privilegios

Este menú le permitirá crear filtros para los dispositivos de enrolamiento disponibles para operadores específicos según sus

respectivos privilegios asignados.

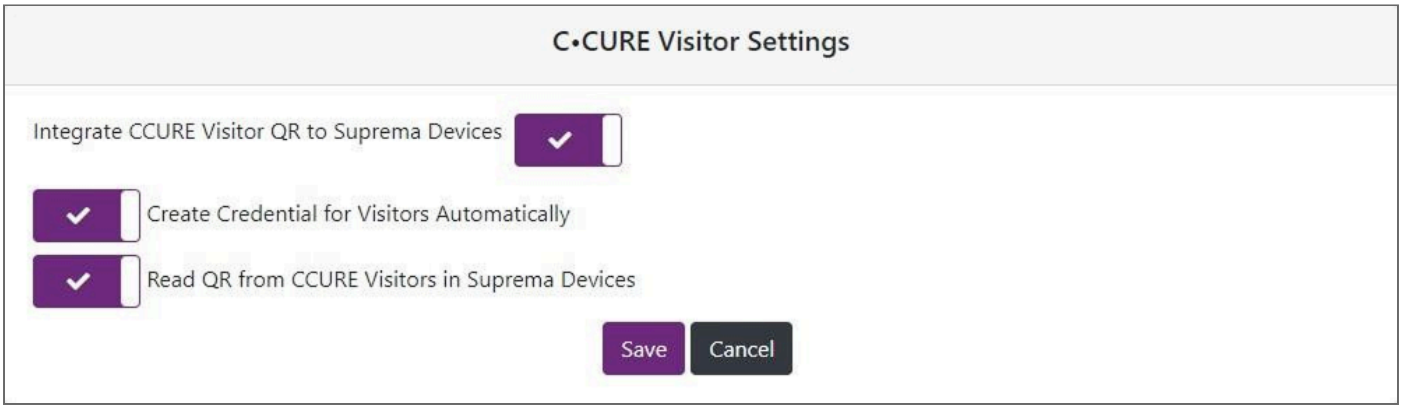
Por lo tanto, si el operador que inicia sesión en C•CURE no tiene ningún privilegio requerido para enrolar biometría, no aparecerá ningún dispositivo disponible para enrolar biometría de usuarios.



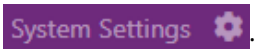
QR de visitantes

Este menú le permite usar el QR de visitantes de C•CURE como credencial de control de acceso. Es decir, cuando cree un usuario visitante desde C•CURE Portal y envíe el QR del visitante a cada visita que planea recibir en su instalación, esta integración se encargará de generar las credenciales correctas con la validez exacta que seleccionó en el período de visita.

> **Información**
> Los dispositivos Suprema requieren validación de licencia para habilitar esta función.



Configuración del Sistema

Tiene dos opciones para encontrar System Settings. La primera, y la más directa, es ir al menú de la barra de navegación superior 

. La segunda es ir primero a Configuration desde el menú principal:



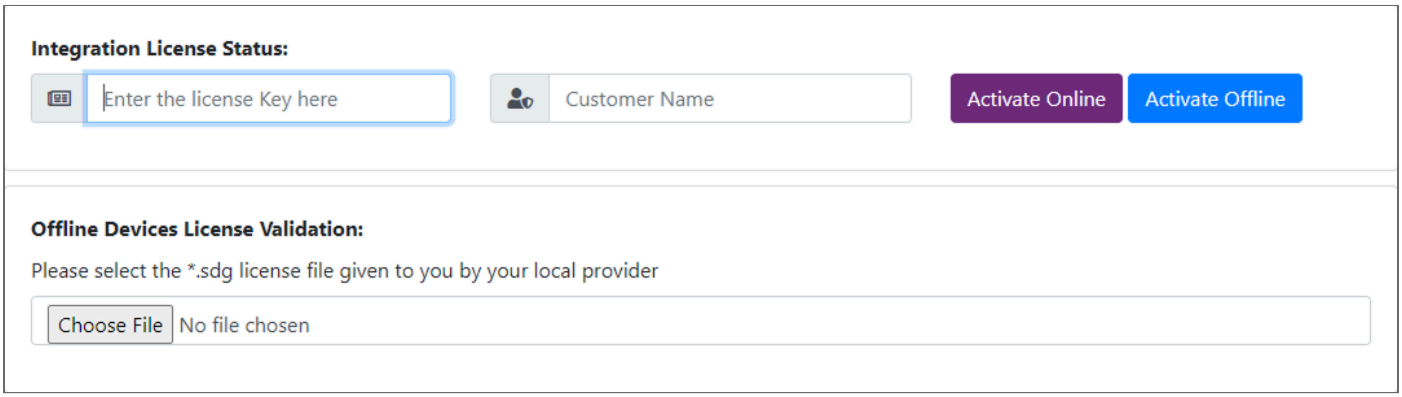
and right after that you will find:



Dentro de System Settings puede configurar lo siguiente:

- Una licencia válida.
- Las credenciales de Suprema (usuario y contraseña).
- Las credenciales de conexión de C•CURE 9000.
- Otros ajustes.

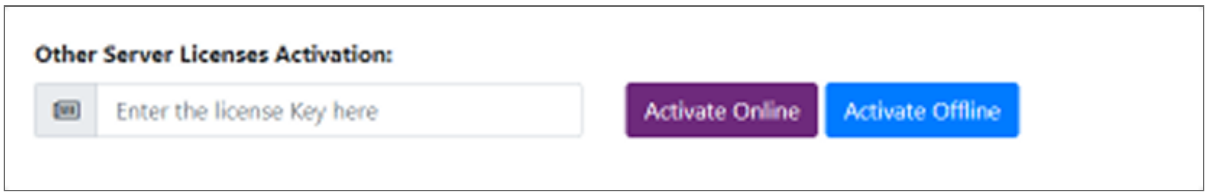
Antes de aplicar la licencia, todos los ajustes estarán deshabilitados hasta que valide la licencia.



Con la licencia *Advanced* tendrá la opción de activar la licencia sin conexión; si tiene una licencia básica, la activación se realizará solo en línea.

Como puede ver en la imagen anterior, con una licencia Advanced también tendrá disponible la función de validar licencias de dispositivos sin conexión.

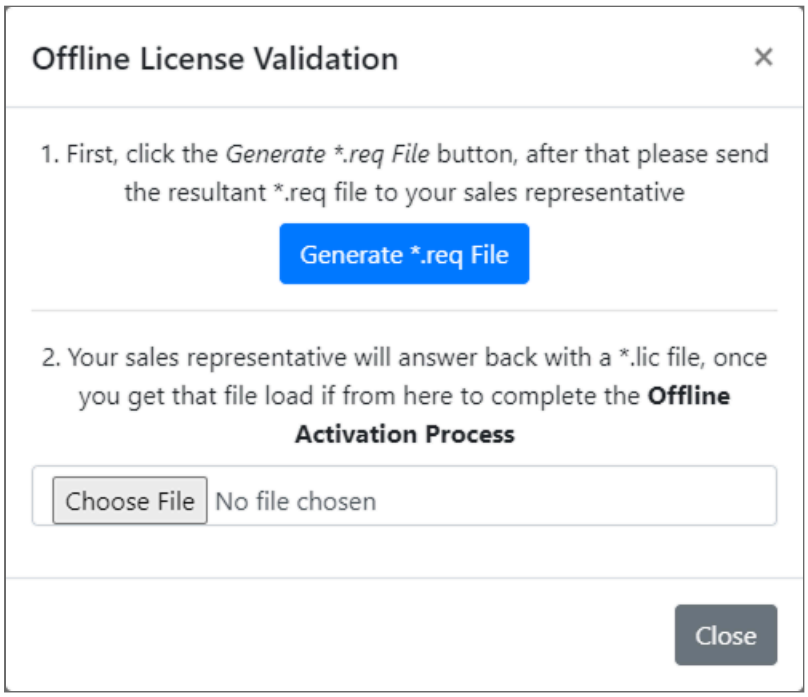
En este menú también verá:



Este menú le permitirá validar o activar otros tipos de licencias del servidor, como en el caso del **Autoenrollment Kiosk**, por ejemplo.

Si realiza una validación de licencia del servidor sin conexión:

- Primero debe ingresar la clave y el nombre de la licencia y luego hacer clic en el botón **Activate Offline**.



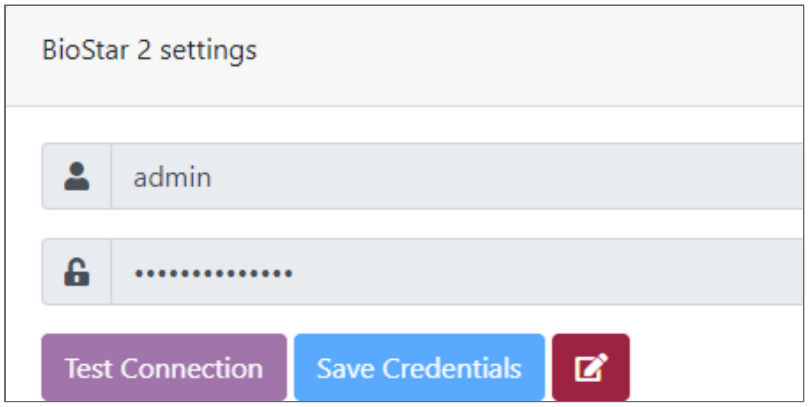
- Siga el primer paso para obtener el archivo `*.req` y envíelo a su representante de ventas.
- Una vez que obtenga el archivo de licencia, puede pasar al paso número 2.

Después de aplicar la licencia



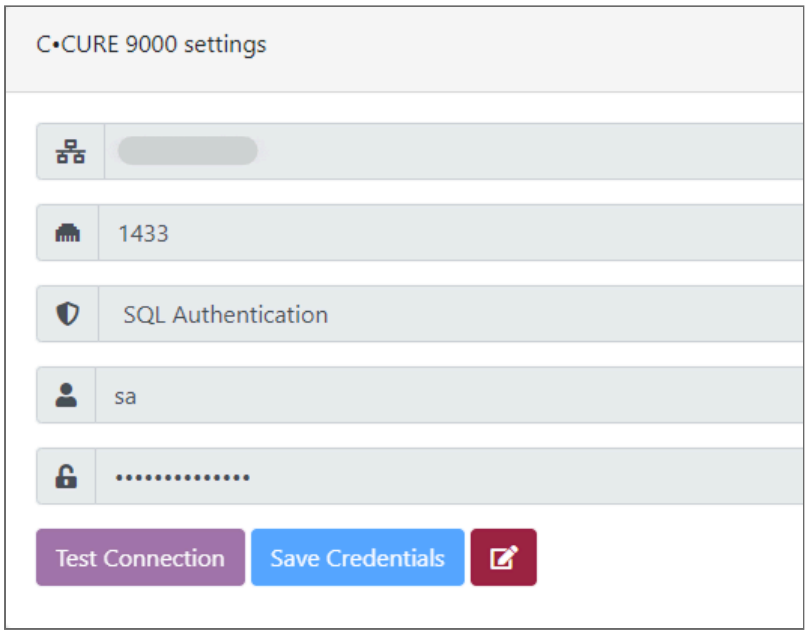
Después de aplicar la licencia, los demás ajustes se habilitarán.

- Ajustes de BioStar 2



  - Debe usar una cuenta de tipo administrador para que la integración funcione correctamente.
  - Después de escribir la cuenta de administrador y su contraseña, haga clic en **Test Connection**.
  - Si la conexión es exitosa, el botón **Save Credentials** se habilitará.
  - El botón **Edit** le permitirá modificar las credenciales si lo necesita.

- Ajustes de C•CURE 9000



  - En el campo host debe ingresar la dirección IP o el nombre de dominio donde está instalada la base de datos.

    > *Ejemplo: LOCALHOST\SQLSERVER*

  - Puerto de SQL Server.
  - Autenticación SQL o autenticación de Windows.
  - Usuario y contraseña de SQL para la autenticación SQL usada.

- GUI



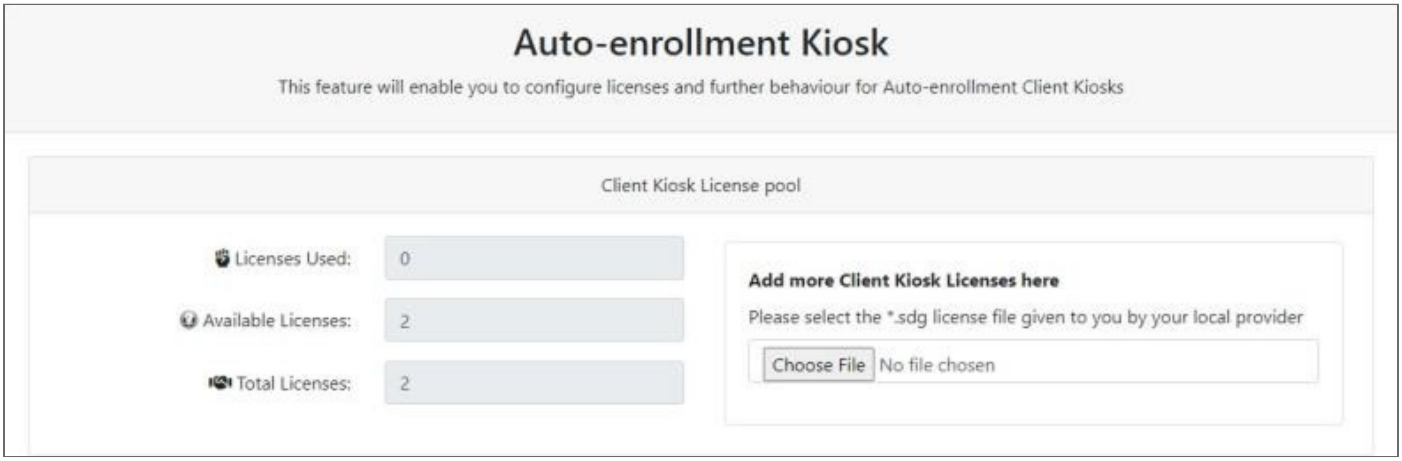
– La herramienta de configuración de la integración se ofrece en inglés y español.

– Session Timeout es el tiempo para el cierre automático de sesión de la GUI (para evitar cualquier acceso no autorizado).

Kiosco de autoenrolamiento

Una vez que active una licencia de servidor para esta función, el siguiente menú aparecerá en el menú principal de la integración.





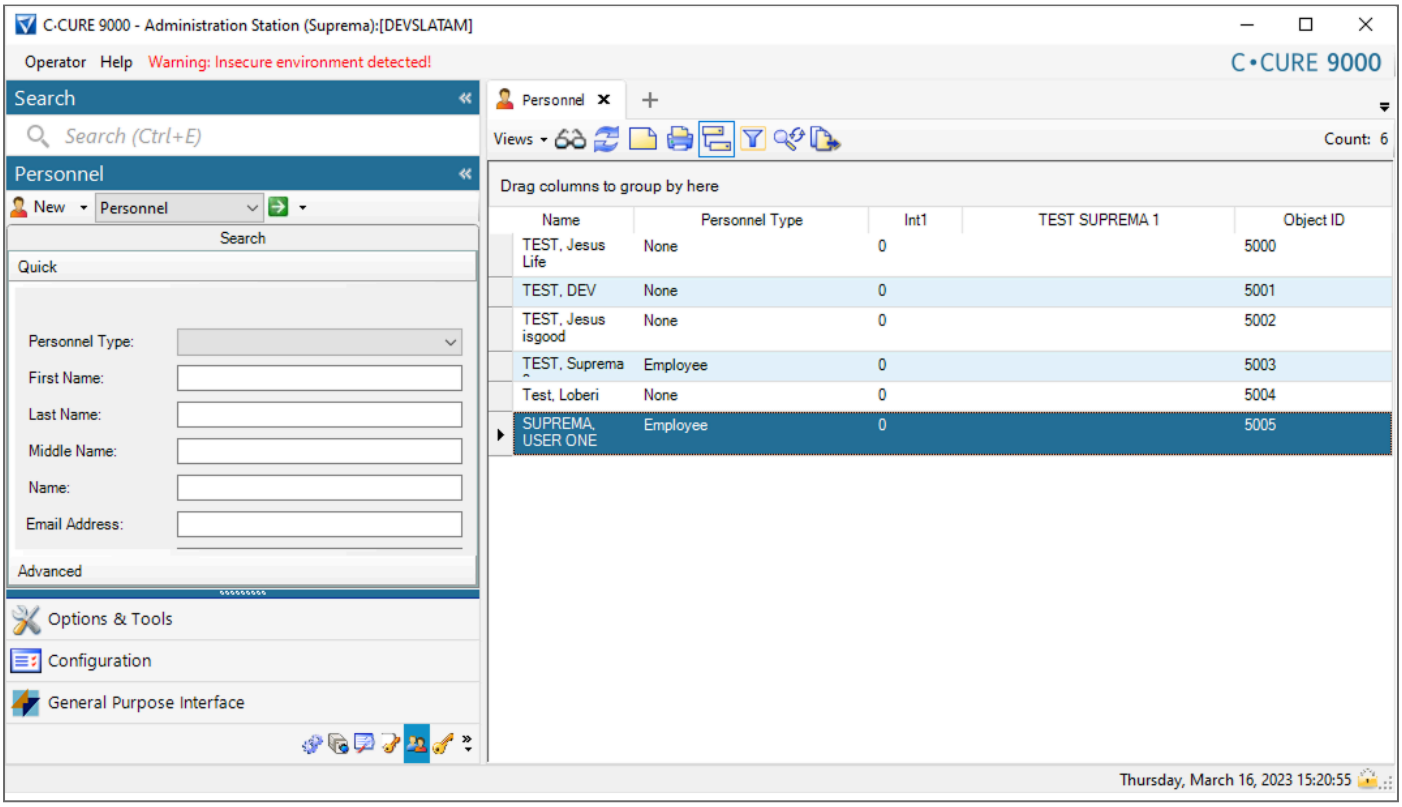
Información

La información anterior solo es válida para una versión Advanced de esta integración.

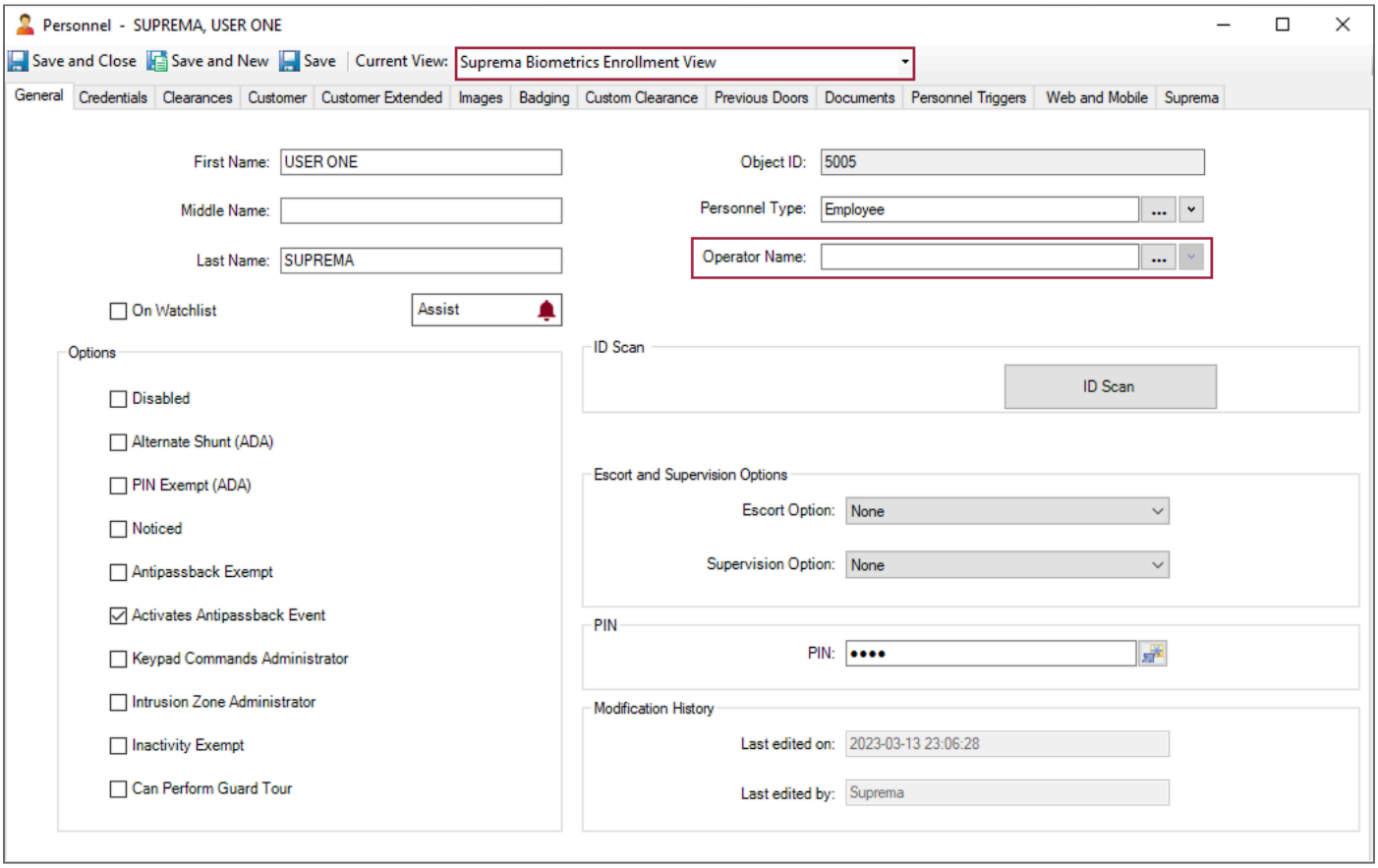
Para obtener más información sobre cómo usar el **Autoenrollment Kiosk**, consulte la guía de usuario específica y el manual de instalación relacionados con esta función.

Inscripción de biometría desde C•CURE 9000

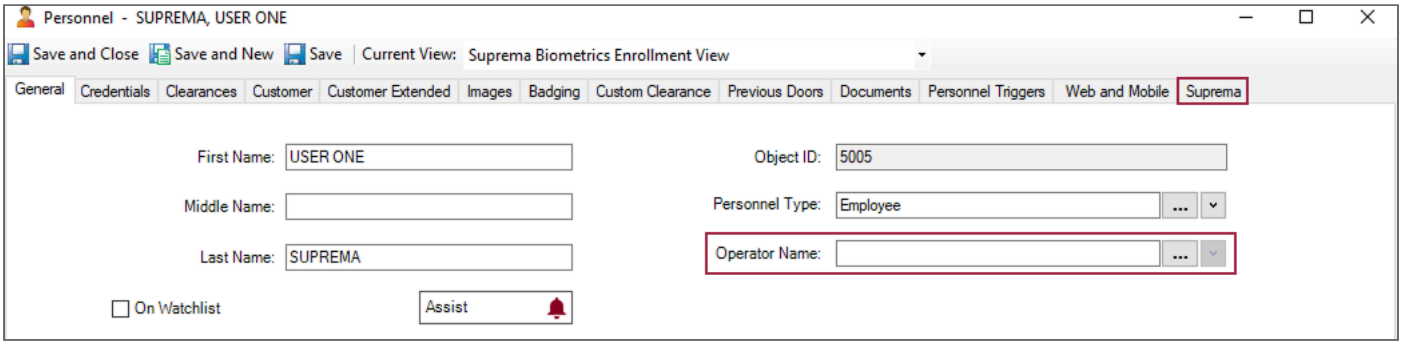
Abra la estación de trabajo de administración y, en la vista de personal, haga clic en un usuario existente o cree uno nuevo.



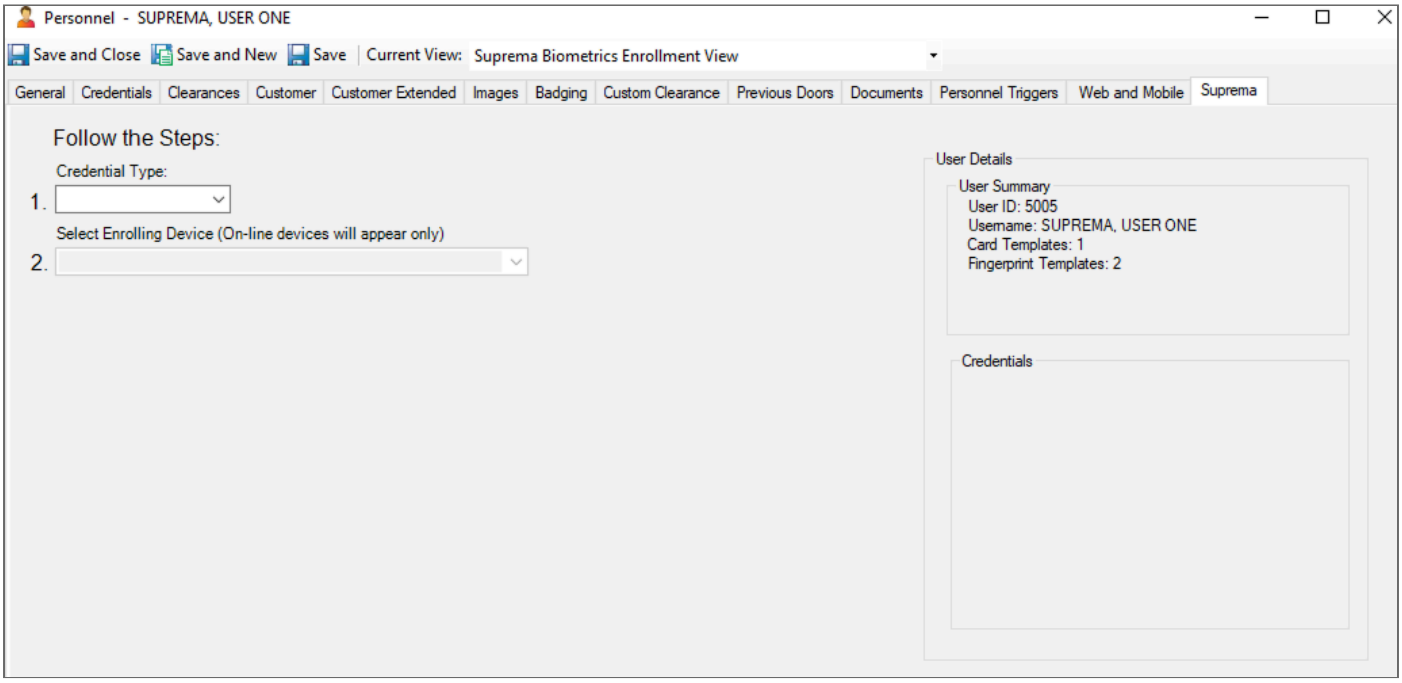
Una vez en la vista de personal, asegúrese de estar en la **Vista de inscripción biométrica Suprema**, como se muestra a continuación.



Allí encontrará la pestaña Suprema, ubicada al final de las pestañas de la vista de personal.

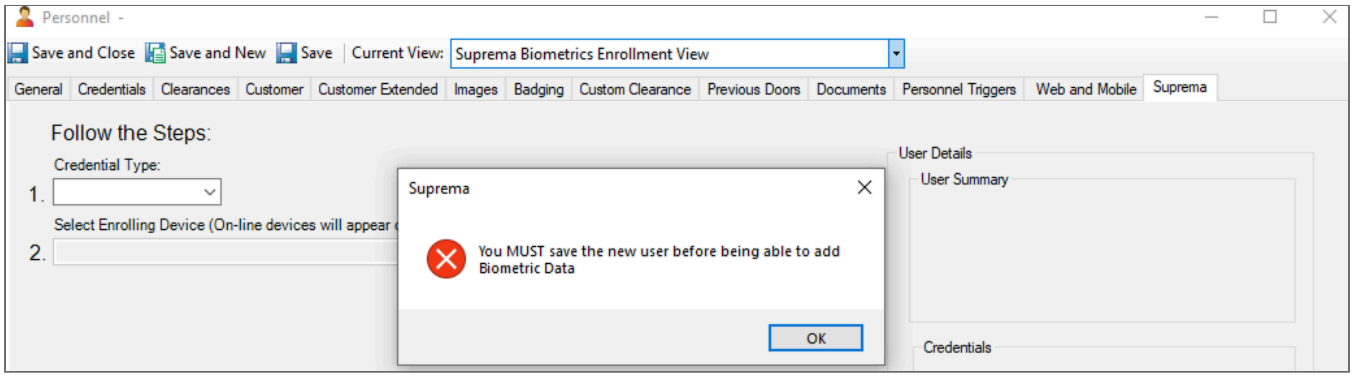


Haga clic y verá:

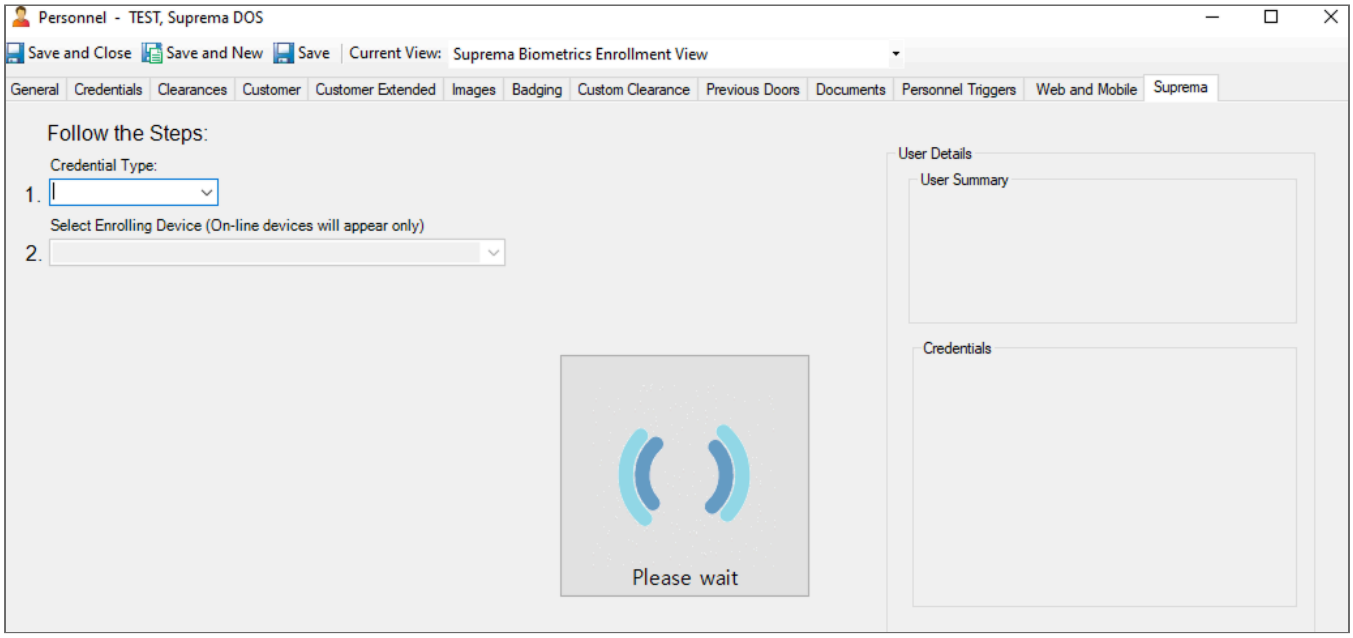


En el panel lateral derecho verá un resumen del usuario actual.

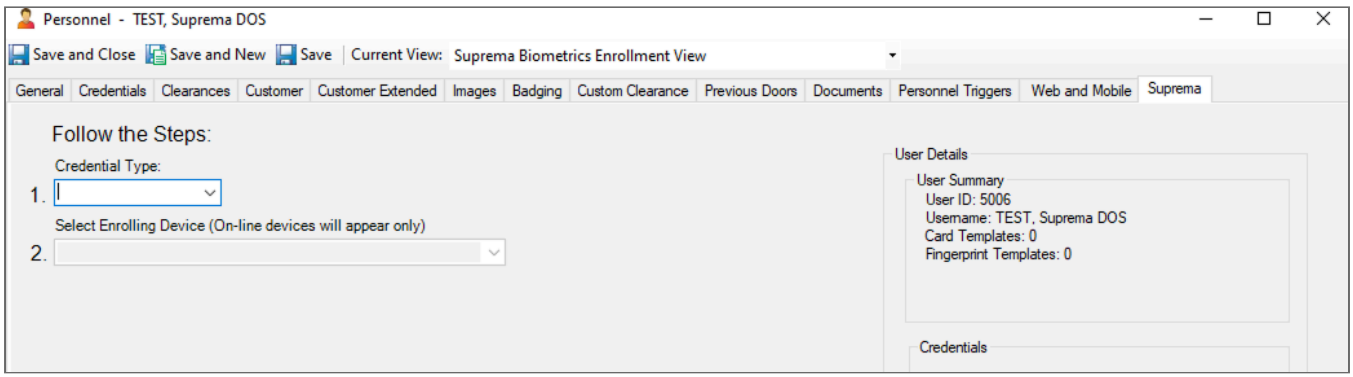
1. **Cuando el usuario es nuevo**, y aún no se ha guardado en C•CURE 9000: verá este aviso que le pide guardar el usuario antes de inscribir datos biométricos.



2. **Cuando el usuario es nuevo en dispositivos Suprema**, justo después de guardar el usuario e ir a la pestaña Suprema, notará lo siguiente:

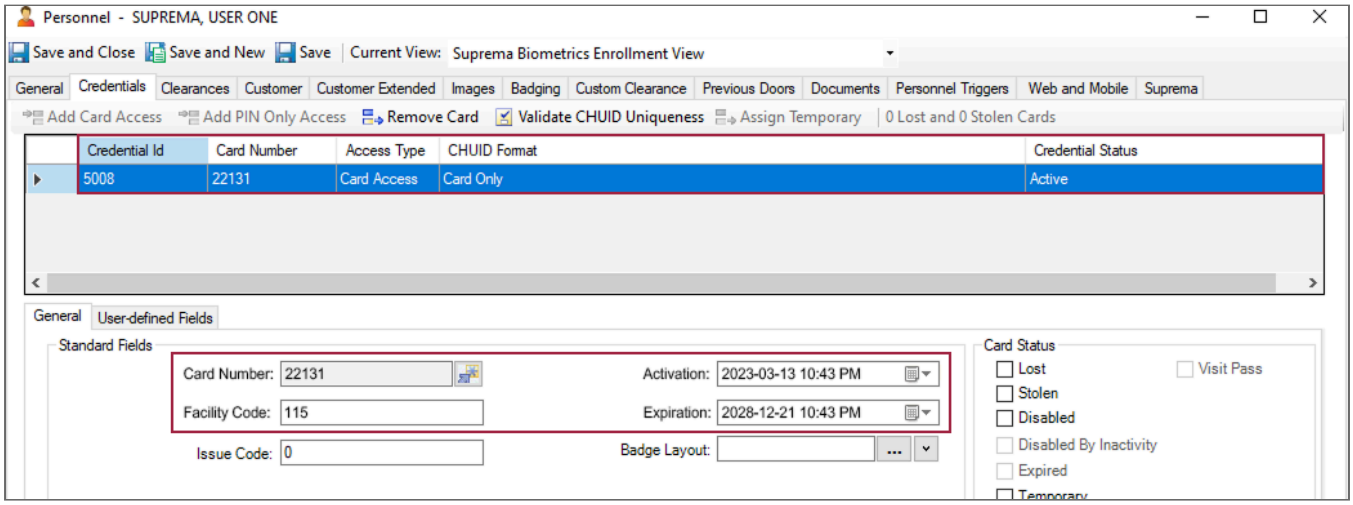


El cuadro de diálogo **Espere** se muestra mientras la integración sincroniza al usuario con los dispositivos Suprema. Al terminar el proceso, verá algo similar a:



Como el usuario se creó recientemente, no mostrará plantillas. Ahora vamos a crearlas.

El primer paso es añadir una credencial RFID desde la pestaña Credenciales.



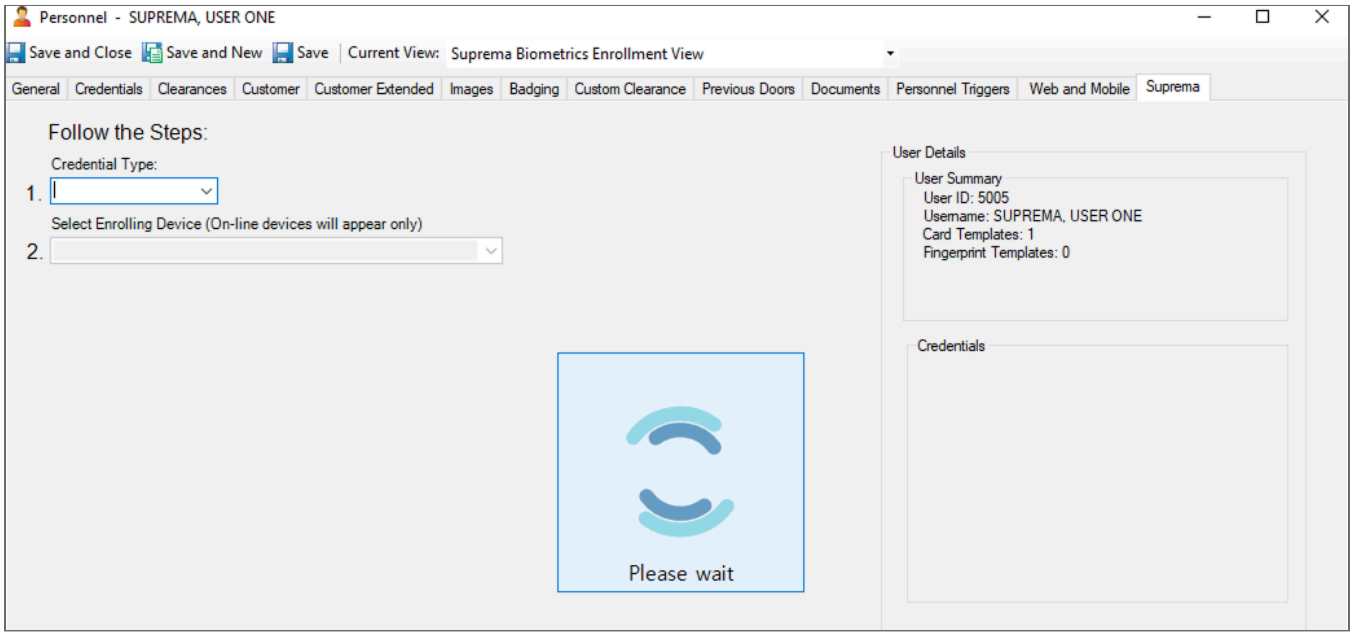
Asegúrese de haber configurado al menos los siguientes campos:

1. Número de tarjeta.
2. Código de instalación.

3. Fecha y hora de activación.
4. Fecha y hora de expiración.

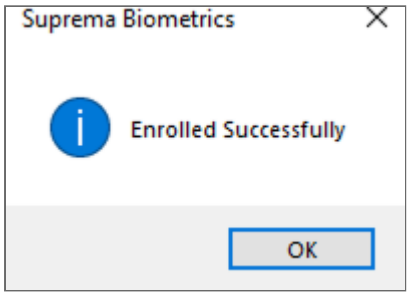
Después de añadir al menos estas opciones, haga clic en el botón **Guardar** antes de ir a la pestaña Suprema.

La información recién añadida se transferirá a los dispositivos Suprema.

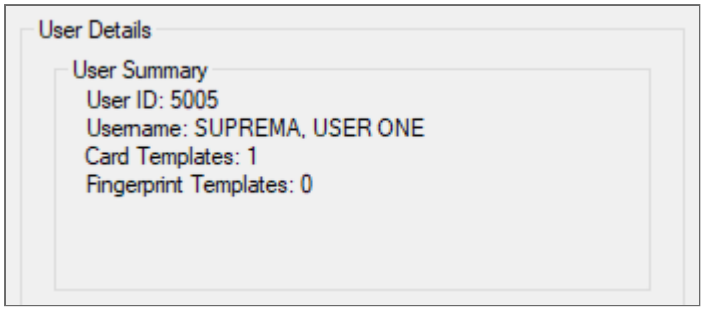


El proceso puede durar una fracción de segundo o más, según la cantidad de dispositivos con los que deba sincronizarse la información (tenga paciencia).

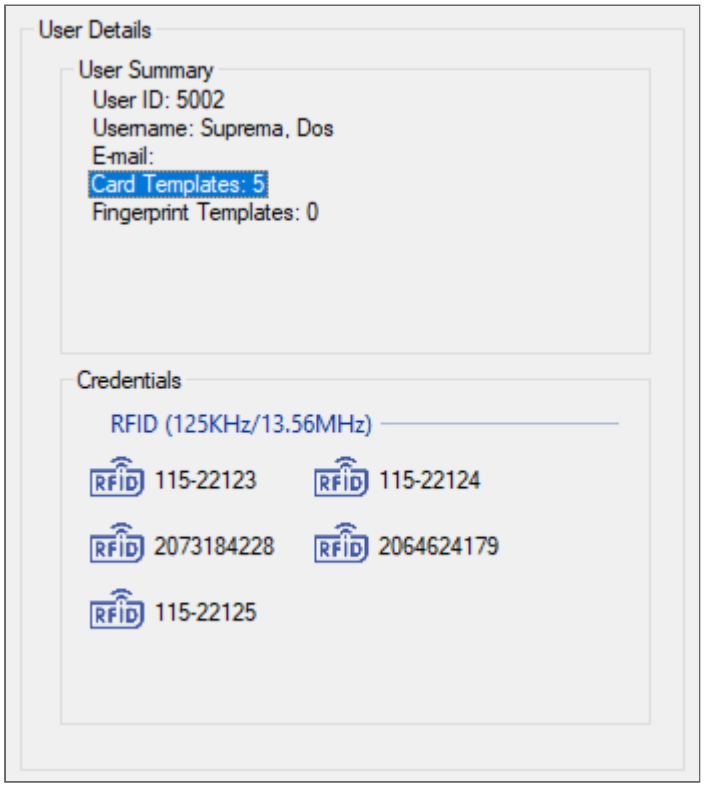
Cuando el proceso termine, verá el cuadro de información.



Ahora, en el panel lateral Detalles del usuario, verá la información actualizada.

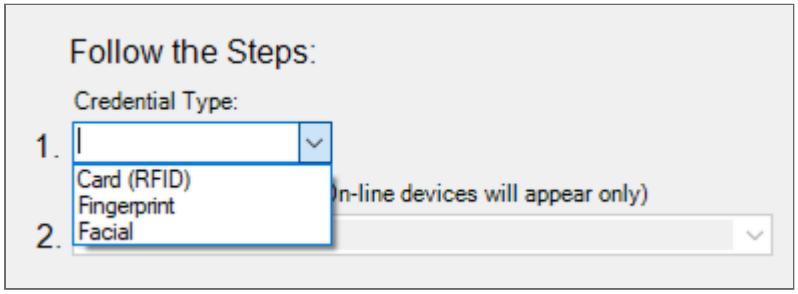


Cuando tenga más de una tarjeta (hasta cinco, según la cantidad máxima de credenciales de C•CURE), verá:



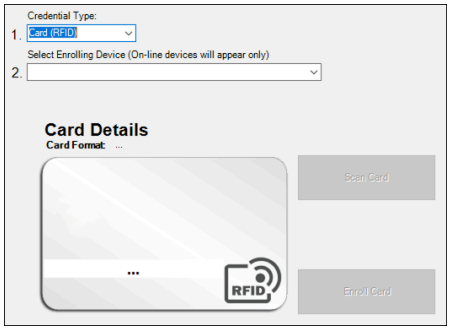
> **Información**
>
> La versión *Basic* de esta integración sincroniza solo la primera tarjeta disponible en el grupo de credenciales del personal.

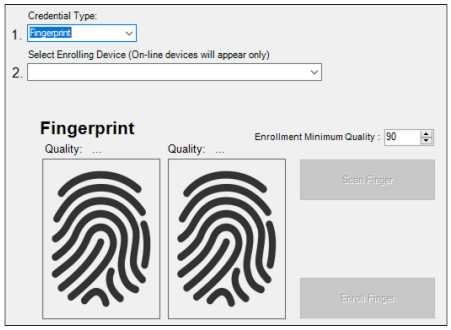
Ahora estamos listos para inscribir biometría al usuario actual:

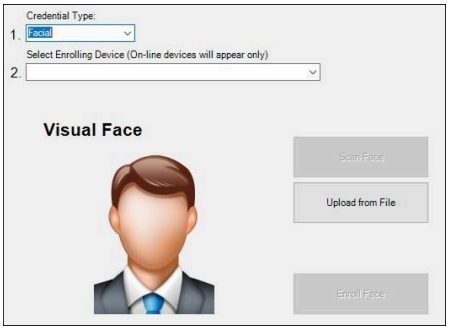


Como puede ver en la imagen anterior, se muestran las opciones para inscribir tarjetas RFID, huellas dactilares o credenciales faciales.

Después de seleccionar una, verá un panel dinámico para cada tipo de credencial en la pantalla, como referencia:

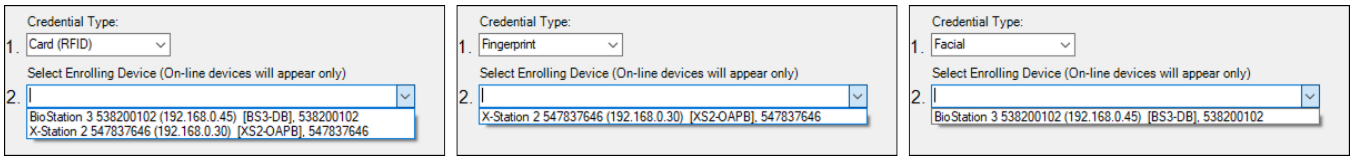






Al seleccionar el tipo de credencial, la integración puede clasificar los dispositivos según sus capacidades y mostrar solo

los dispositivos capaces de manejar el tipo de credencial seleccionado. Por ejemplo:



Después de seleccionar un dispositivo, se habilitarán las opciones en los paneles respectivos para que continúe.

Información

Cada vez que seleccione un tipo de credencial, la integración seleccionará solo los dispositivos capaces de manejar la credencial seleccionada; si no encuentra ninguno, se mostrará el siguiente mensaje.



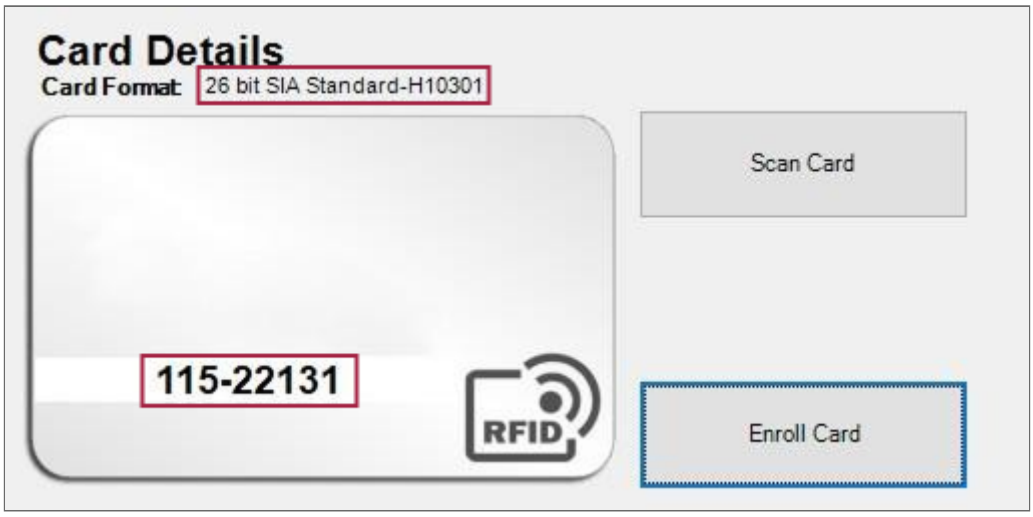
Escaneo de tarjeta

Los dispositivos Suprema son multitecnología; por eso podrá escanear tarjetas al menos con las siguientes características: EM (125 kHz) y, en 13,56 MHz: MIFARE, MIFARE Plus, DESFire EV1/EV2 y FeliCa.

Con el otro conjunto de dispositivos, HID Prox es compatible además de EM para 125 kHz, e iCLASS SE/SR/SEOS también.

Si tiene preguntas sobre los detalles de compatibilidad RF de su dispositivo Suprema, consulte el manual del dispositivo en https://www.supremainc.com/en/hardware/security-products-lineup.asp.

Cuando escanee una tarjeta, verá los siguientes detalles:



En **Formato de tarjeta**: el formato reconocido automáticamente por el lector.

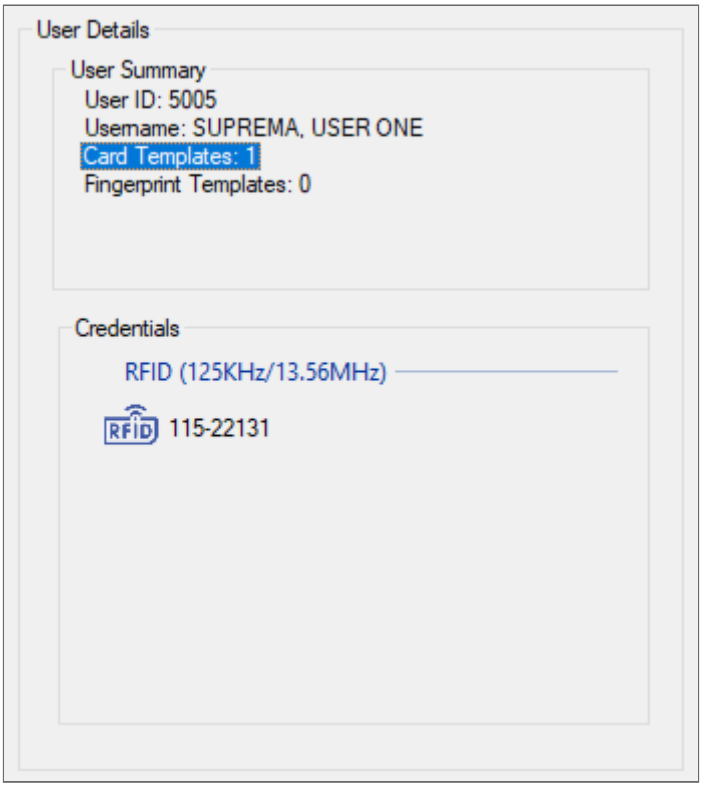
En el **diseño de tarjeta en pantalla**: el número de serie de la tarjeta con el formato Código de instalación + Número de

tarjeta (separados por un guion), lo que facilita el registro de la tarjeta desde la pestaña Credenciales, en caso de que la tarjeta no tenga el número de serie impreso físicamente.

El formato que ve reconocido en **Formato de tarjeta** también puede ayudarle a verificar si la tarjeta que va a inscribir es compatible con el formato de tarjeta seleccionado en el menú de configuración de Formatos de tarjeta y claves.

> **Información**
> Después de hacer clic en el botón **Inscribir tarjeta**, haga clic en el botón **Guardar** del menú superior dentro de la ventana Personal para que los cambios realizados en la pestaña Suprema se reflejen en C•CURE.

Después de registrar la tarjeta, puede ver o eliminar la credencial haciendo doble clic en las plantillas de tarjeta en el Resumen del usuario:



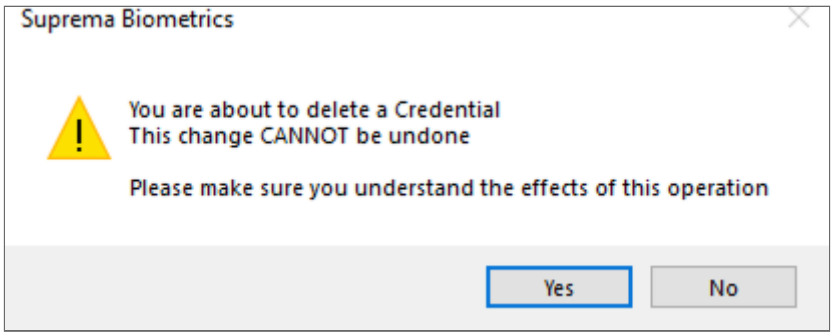
Si hace doble clic en la tarjeta que aparece en Credenciales, verá la tarjeta mostrada en el **diseño de tarjeta en pantalla**.



Eliminar una tarjeta

Desde allí, si desea eliminar la tarjeta de los dispositivos Suprema, haga clic en el botón **Eliminar**. Se mostrará un mensaje

de advertencia. Haga clic en **Sí** si desea eliminar la tarjeta del perfil de usuario en los dispositivos Suprema; de lo contrario, haga clic en **No**.



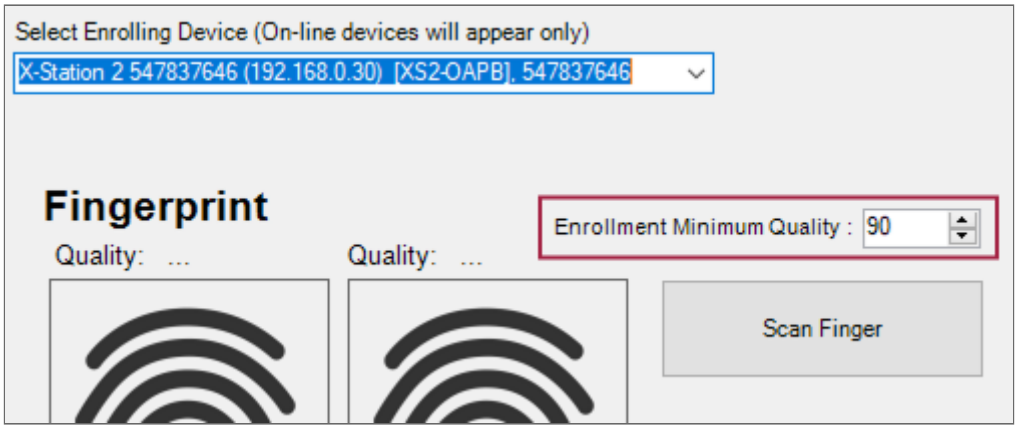
Información

Tenga en cuenta que, si elimina esta credencial del perfil de usuario y el usuario no tiene otra tarjeta en su perfil, o no la reemplaza por otra tarjeta (en caso de una versión *Basic*), la integración la reemplazará con la última tarjeta guardada en las credenciales del personal. Si elimina las credenciales de ambos lados, eso puede provocar errores en la autenticación contra el panel iStar.

Escaneo de huellas dactilares

Registre la huella correctamente para mejorar la tasa de autenticación de huellas dactilares. Los dispositivos Suprema pueden reconocer una huella dactilar aunque cambien el ángulo y la posición de la entrada de huella del usuario. Registre la huella teniendo en cuenta los siguientes aspectos para mejorar la tasa de autenticación.

La calidad mínima de inscripción garantiza que el dedo sea lo suficientemente bueno para diferenciar a una persona de otra. Se prefiere un valor de 90 o superior para una mejor autenticación; sin embargo, si encuentra un problema cuando una persona reconoce su huella dactilar, puede bajar un poco el valor.



Tenga en cuenta el mensaje tanto en la pantalla como en los dispositivos. En la pantalla verá una animación con los siguientes mensajes:





Como el mensaje en pantalla le pide colocar el dedo en el sensor, y una vez realizado el primer escaneo, el mensaje cambiará y le pedirá que coloque OTRA VEZ el dedo.

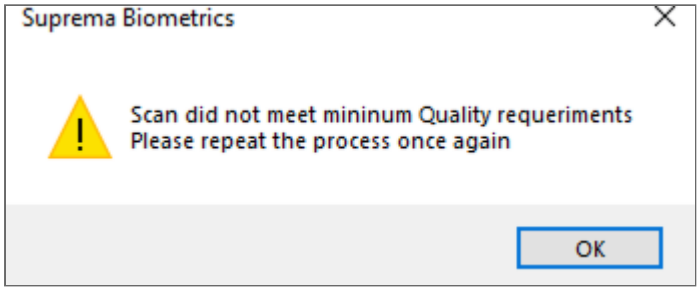
En cada escaneo completado, la plantilla se mostrará en la pantalla con el resultado real de calidad del evento de escaneo:



La integración le pedirá escanear el dedo dos veces para realizar lo siguiente:

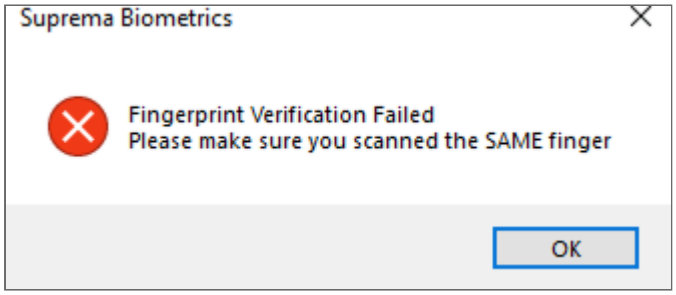
Verificaciones realizadas:

1. ¿El resultado escaneado cumplió con la calidad mínima de inscripción? Esta verificación se ejecutará en cada escaneo y fallará si no se cumple la calidad mínima.

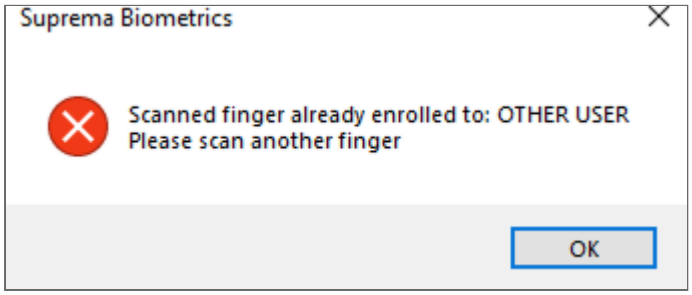


   Por motivos de seguridad, la información obtenida se restablecerá para que tenga datos claros y conformes para sus datos biométricos.

2. ¿Se escaneó el mismo dedo dos veces? De lo contrario, la verificación fallará.



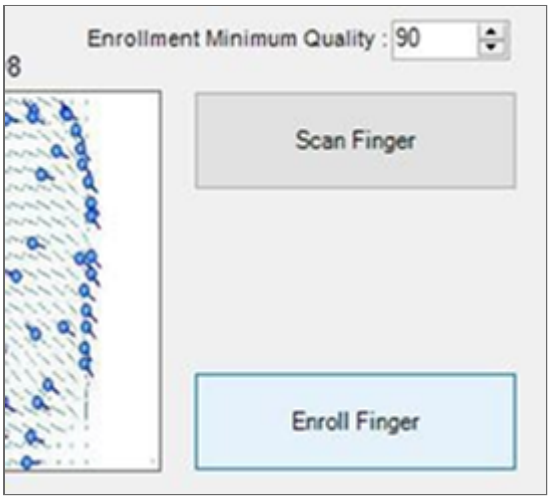
3. ¿El dedo ya está inscrito? La verificación fallará si se detecta que el dedo ya está inscrito para el mismo usuario o para otro.

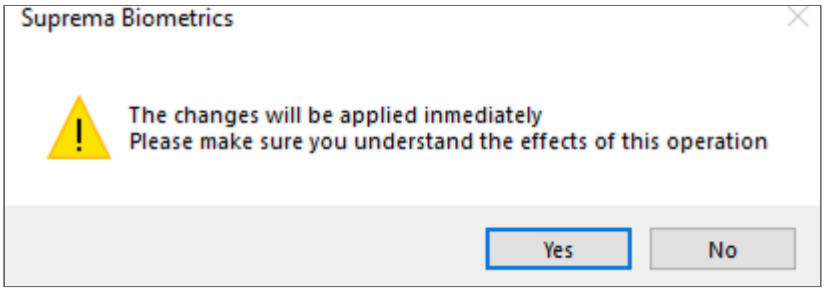


4. Si se superan las verificaciones anteriores, el botón **Inscripción** se habilitará para que registre este dedo en el usuario actual.



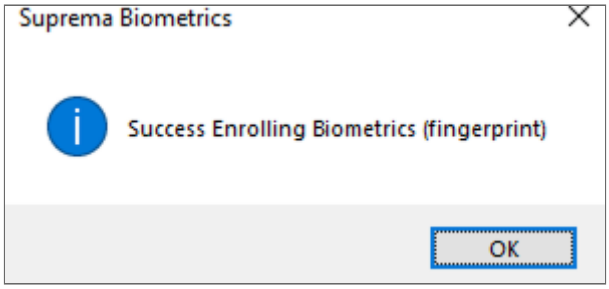
Luego se habilitará el botón **Inscribir dedo**.



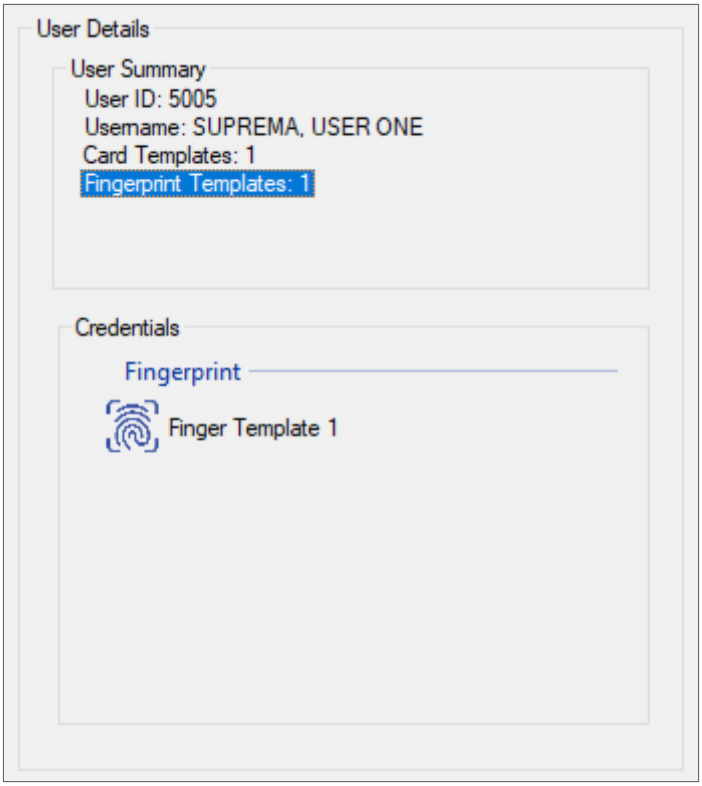


Cuando se muestra el mensaje de advertencia y hace clic en **Sí**, los datos se enviarán de inmediato a los dispositivos Suprema y estarán disponibles al instante. Haga clic en **No** para cerrar el cuadro de diálogo.

Cuando termine el proceso, se mostrará un mensaje de confirmación.



Después de registrar la huella dactilar, puede ver o eliminar la credencial haciendo doble clic en las plantillas de huella dactilar en el Resumen del usuario:

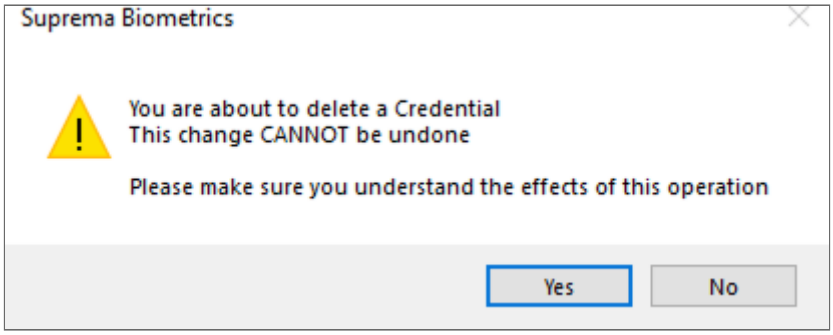


Si hace doble clic en la plantilla de dedo que aparece en Credenciales, verá la plantilla mostrada en el panel de **Huellas dactilares**.



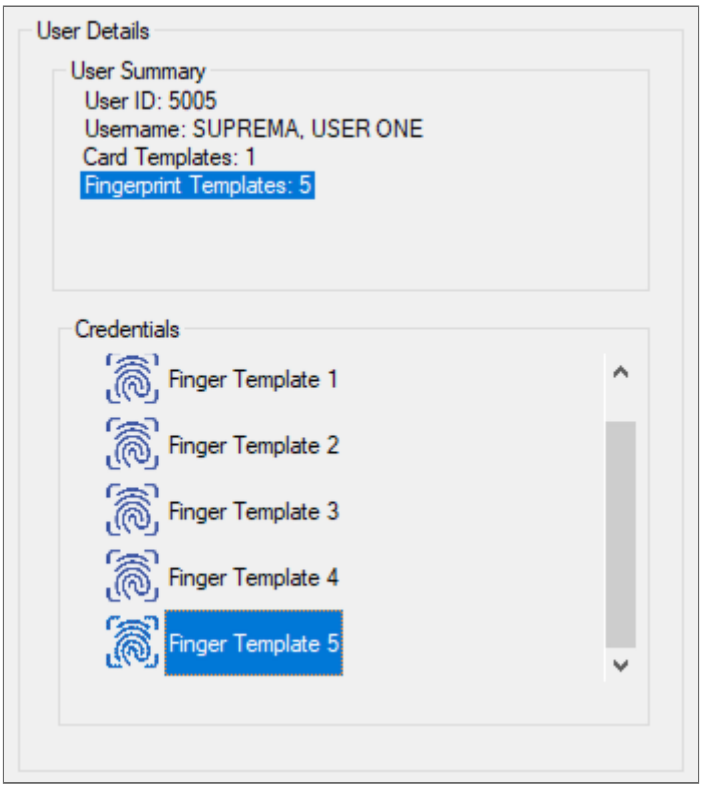
Eliminar una huella dactilar

Desde allí, si desea eliminar una huella dactilar del perfil del usuario en los dispositivos Suprema, haga clic en el botón **Eliminar**. Se mostrará un mensaje de advertencia. Haga clic en **Sí** si desea eliminar la credencial del perfil del usuario en los dispositivos Suprema; de lo contrario, haga clic en **No**.



¿Cuántas huellas dactilares se pueden añadir a cada usuario?

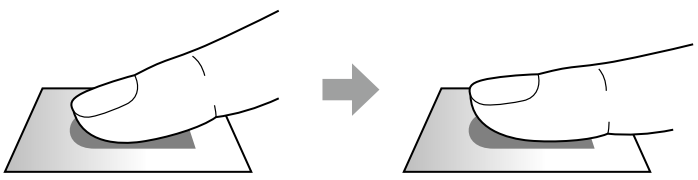
Se pueden añadir las 10 huellas dactilares de la mano del usuario al perfil del usuario. Aunque los dedos índice, medio y pulgar son los que más se usan en el proceso de inscripción, puede intentar inscribir los diez.



Después de hacer doble clic en cada una de las plantillas en la pantalla, podrá verlas en el panel de huellas dactilares; desde allí también puede editarlas, como se describe en la sección anterior.

Método de inscripción de huellas dactilares

1. Cuando aparezca en la pantalla LCD un mensaje que diga "Coloque su dedo en el sensor." para inscribir la huella dactilar, coloque el dedo cuya huella desea inscribir en la unidad de autenticación por huella dactilar y presiónelo suavemente para una mejor autenticación.



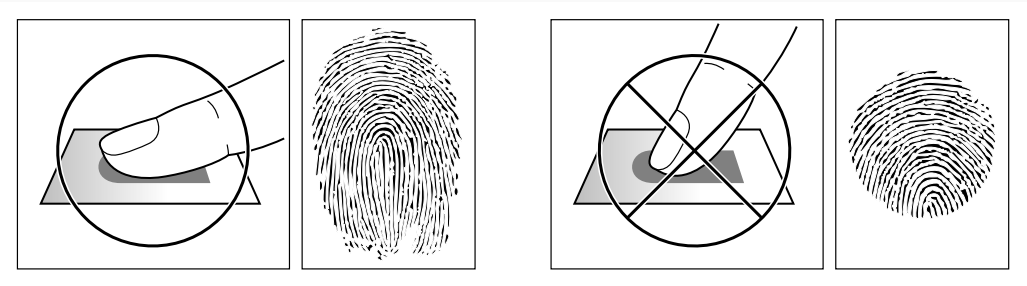
2. Cuando aparezca la pantalla de reingreso después de un pitido, vuelva a escanear la huella del dedo inscrito (escanee dos veces la huella del dedo que se va a inscribir).

Información

Algunas recomendaciones o precauciones que debe tener en cuenta al escanear e inscribir una huella dactilar.

Cuando se reconoce una huella dactilar, se compara con la huella dactilar registrada inicialmente, por eso la inscripción inicial es la más importante. Tenga en cuenta los siguientes aspectos al registrar la huella.

- Coloque el dedo lo suficientemente profundo para que haga contacto completo con el sensor.
- Coloque el centro de la huella en el centro del sensor.
- Si un dedo tiene un corte o la huella está borrosa, seleccione otro dedo para la huella.
- Escanee la huella correctamente sin moverla, según las instrucciones de la pantalla.
- Si mantiene el dedo en posición vertical de modo que se reduzca el área de contacto con el sensor o cambia el ángulo del dedo, es posible que la autenticación de la huella no se realice.



Los dispositivos Suprema pueden reconocer una huella dactilar sin importar los cambios de estación o del estado del dedo.

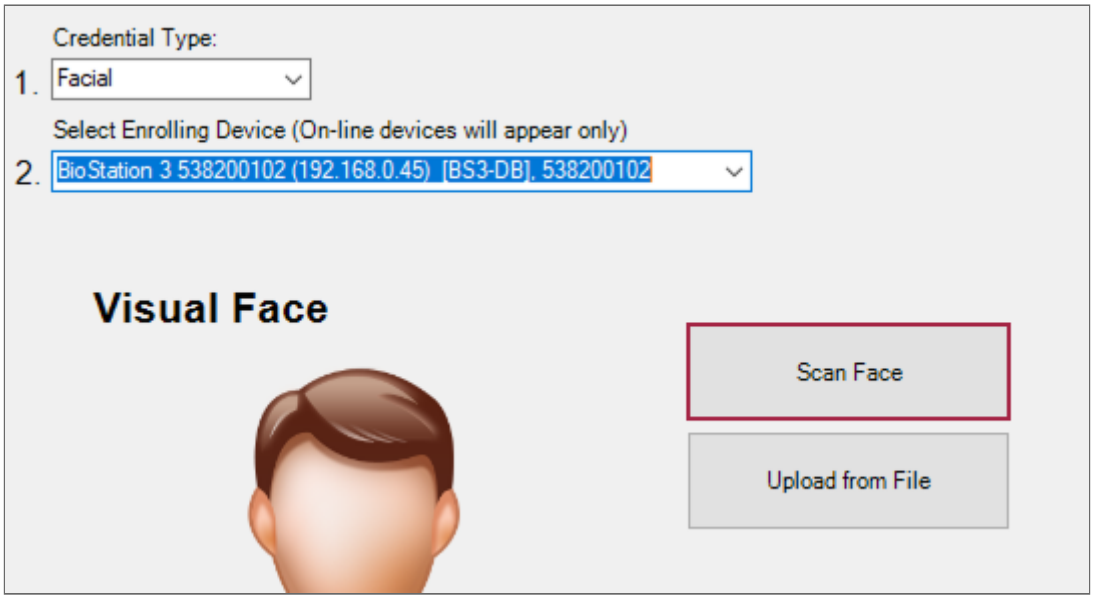
Sin embargo, la tasa de autenticación puede variar según el entorno externo o el método de ingreso de la huella. Si la autenticación de huellas no se realiza sin problemas, adopte las siguientes medidas.

- Si el dedo está mojado o sudoroso, séquelo y luego escanee la huella.
- Si el dedo está demasiado seco, sople sobre la yema y luego escanee la huella.
- Si el dedo tiene un corte, inscriba la huella dactilar de otro dedo.
- La huella dactilar inscrita inicialmente muchas veces pudo no haberse escaneado correctamente, así que inscriba la huella dactilar de nuevo según las recomendaciones anteriores.

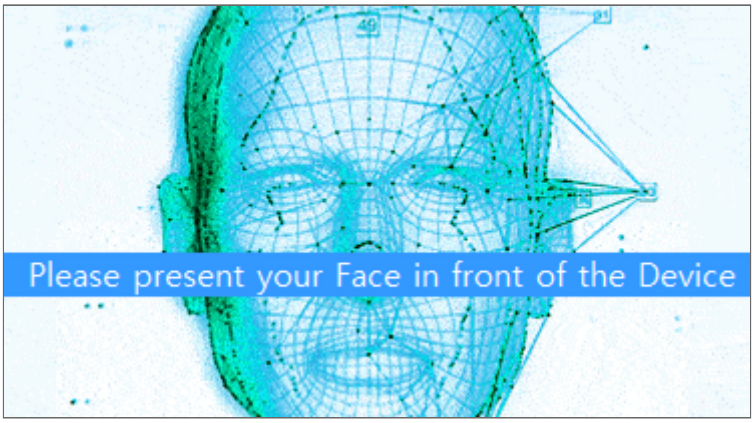
Trabajo con credenciales faciales

Escaneo de rostro

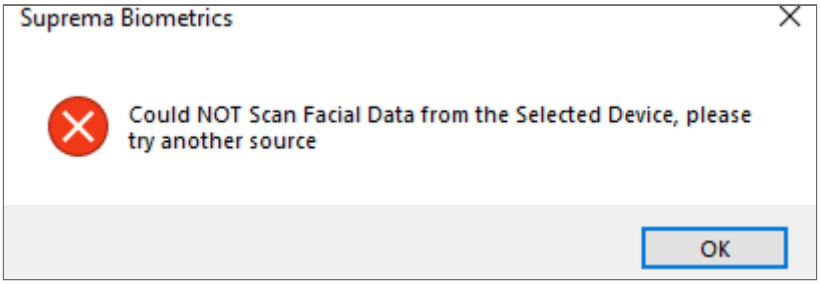
Una vez que seleccione un dispositivo compatible, el botón **Escanear rostro** se habilitará para permitirle escanear su rostro desde él.



Cuando haga clic en el botón **Escanear rostro**, se mostrará el siguiente mensaje con la animación solicitando que:



Si en un tiempo no se presenta un rostro frente al dispositivo para capturarlo, se mostrará el siguiente mensaje.

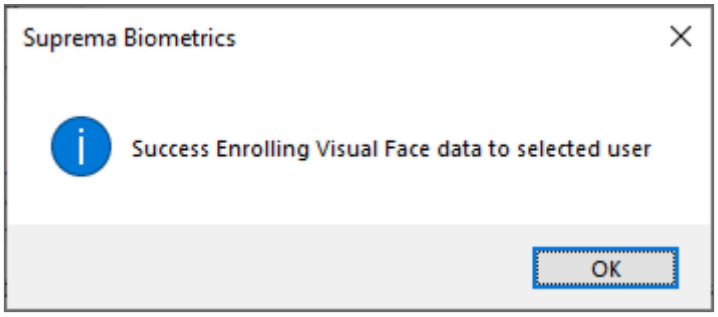


Por otra parte, cuando la persona esté frente al dispositivo, se capturará su rostro y se mostrará en el panel:

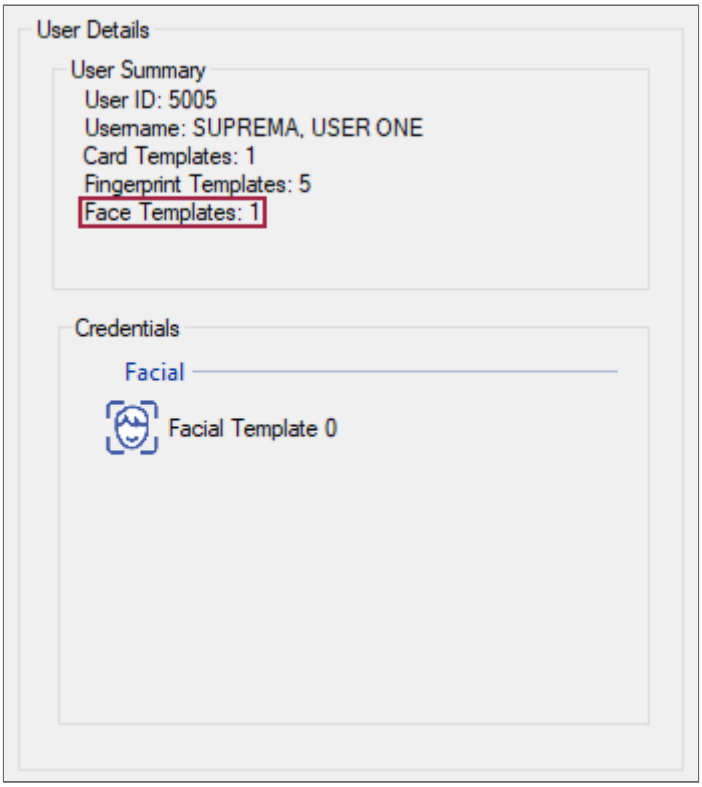


Notará que el botón **Inscribir rostro** se habilitará para permitirle continuar con la inscripción facial.

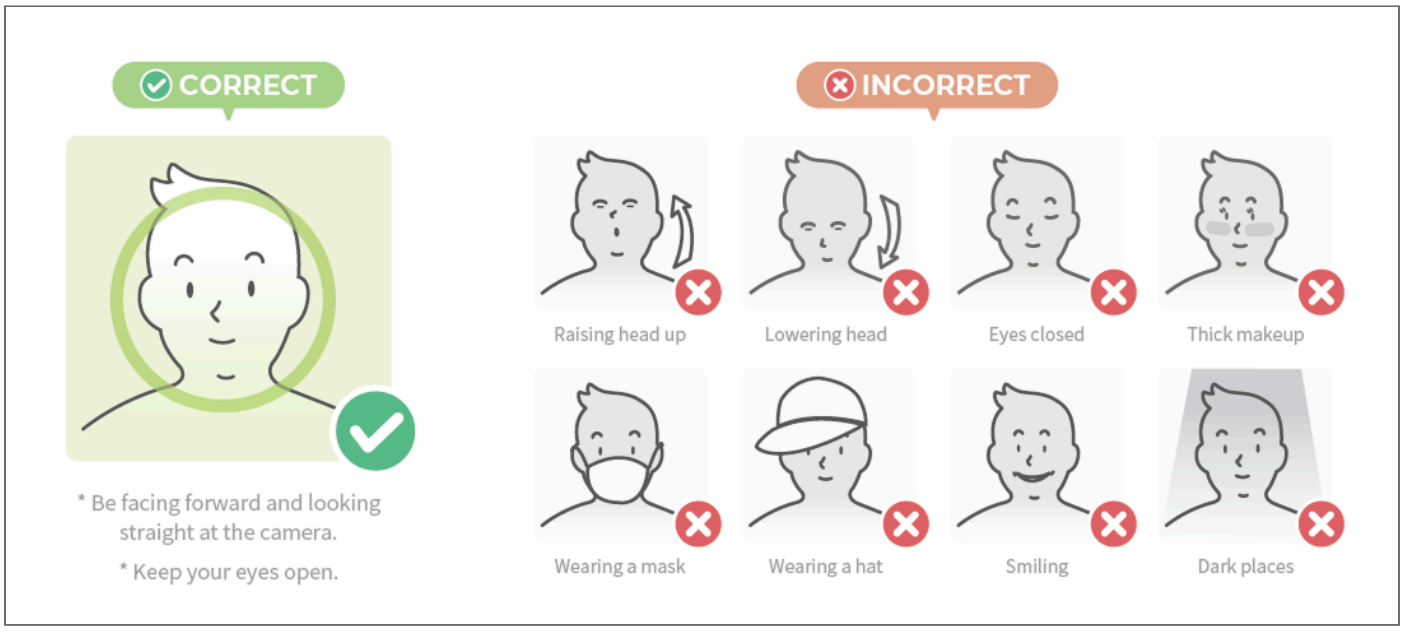
Después de que termine el proceso, recibirá el cuadro de diálogo de confirmación. Haga clic en **OK** para continuar:



Notará una actualización en el panel Detalles del usuario, ubicado en el panel lateral derecho.



Tenga en cuenta las pautas generales para inscribir rostros visuales:

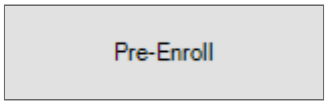


Información

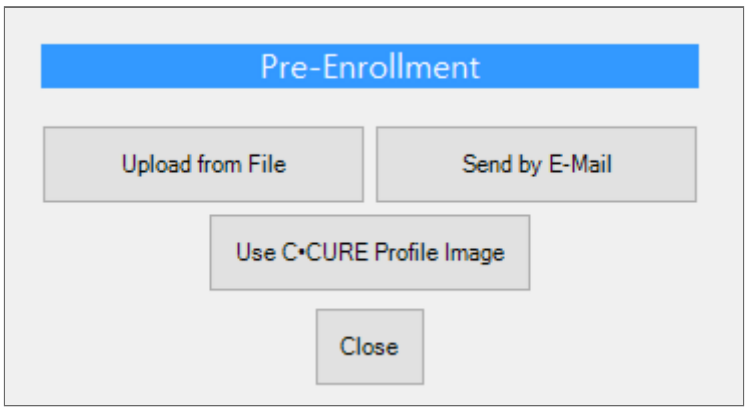
Estas pautas aplican tanto para escanear un rostro directamente desde el dispositivo como para cargar una imagen facial para la preinscripción.

Preinscripción

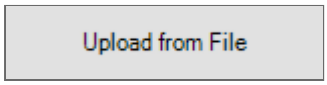
En la versión *Advanced*, cuando haga clic en el botón **Preinscribir**, en el panel de credenciales faciales.



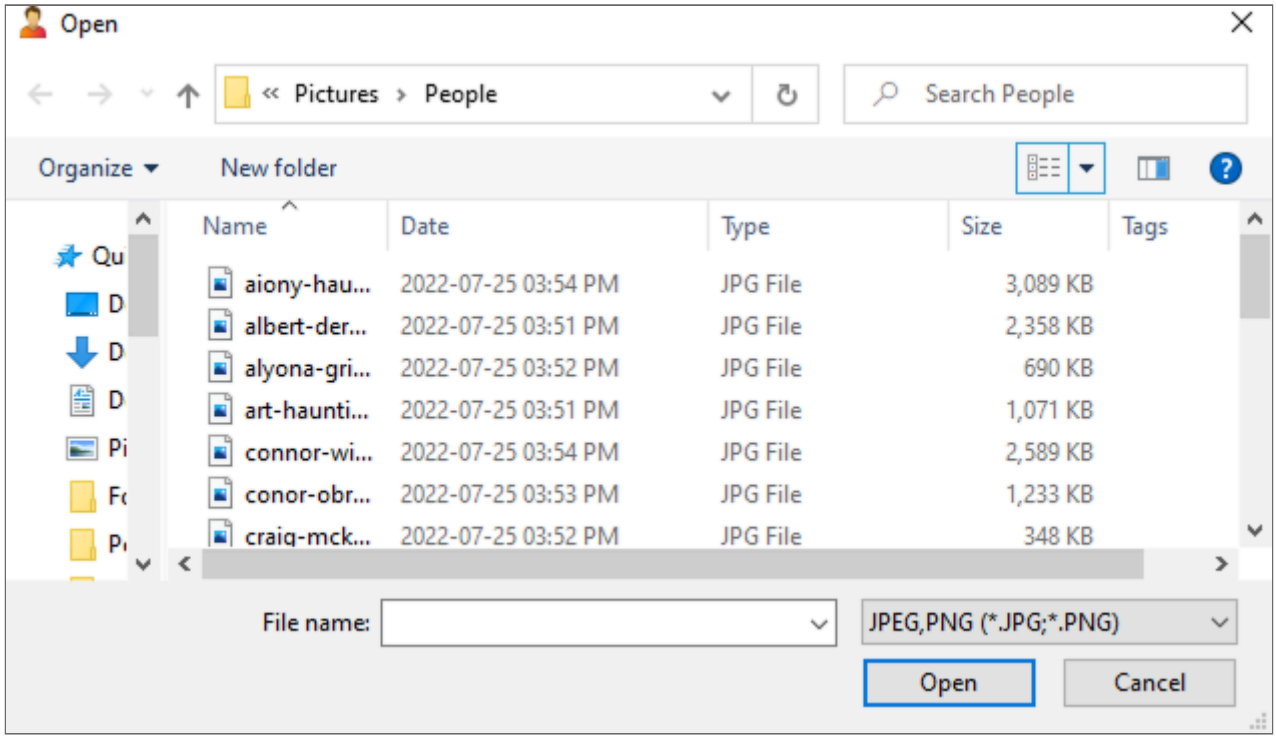
Se mostrará el siguiente menú.



- Carga de una imagen para preinscripción.

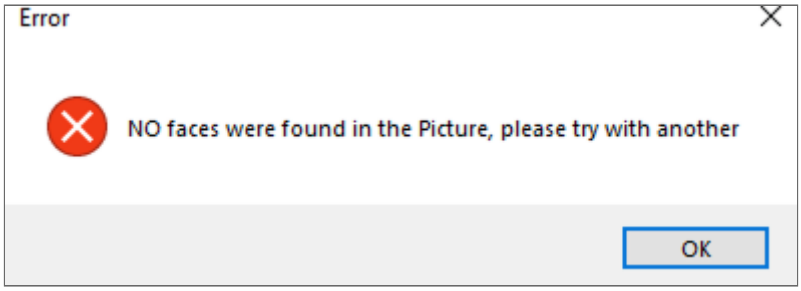


Esta es una de las opciones para la inscripción no presencial. Cuando haga clic en el botón **Cargar desde archivo**, se mostrará un cuadro de diálogo Selector de archivos para que seleccione la imagen de la persona que va a inscribir.



Seleccione la imagen de la persona que va a inscribir y haga clic en **Abrir**.

Asegúrese de que la imagen seleccionada tenga un rostro; de lo contrario, el proceso no continuará y se mostrará el siguiente mensaje:



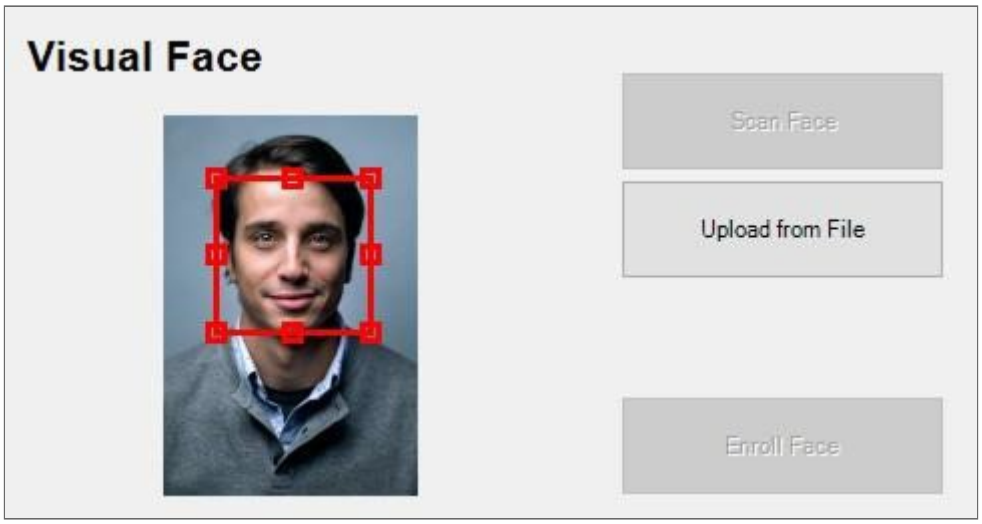
Como ejemplo, tenga en cuenta que la imagen debe ser de una persona de frente, con expresión neutra y el rostro descubierto.



Para que el proceso de preinscripción se complete correctamente, se deben considerar los siguientes criterios.

- Resolución: mayor que 250 x 250 píxeles
- Tamaño de la imagen: hasta 10 MB
- Formatos compatibles: solo JPG, JPEG o PNG

Después de cargar una imagen, se le proporcionará un rectángulo de recorte que reconocerá automáticamente dónde está ubicado el rostro. Ayude a la herramienta seleccionando el área facial en caso de que aún no esté completamente seleccionada.

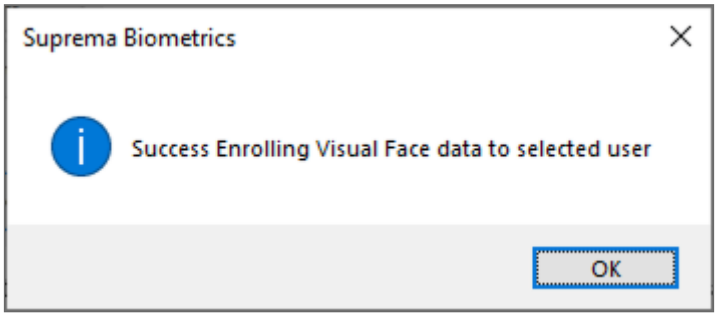


Haga doble clic en la imagen para completar el procedimiento de recorte.

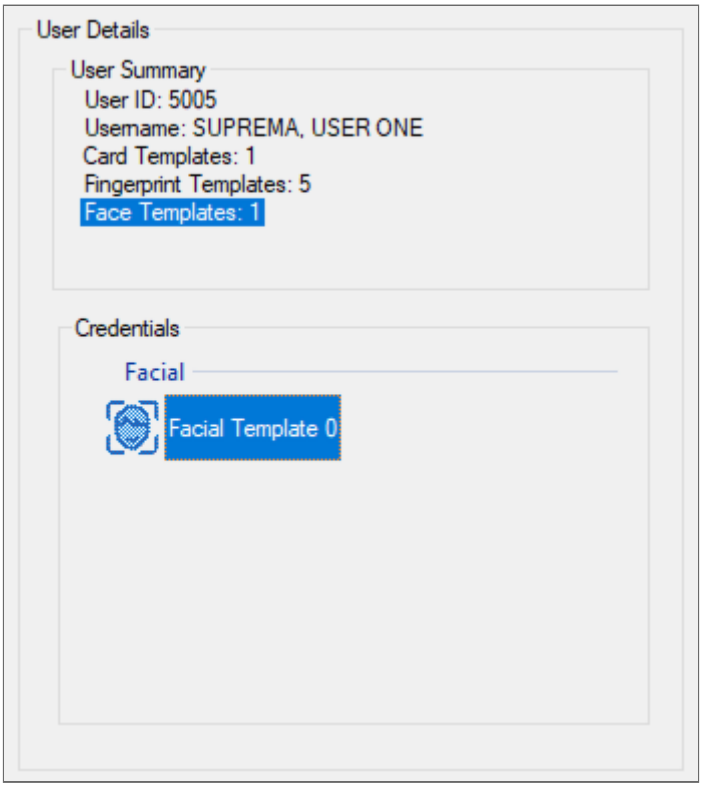


Después de hacer doble clic en la imagen facial, el rostro se ampliará automáticamente para llenar el área y mostrarse en el panel. También verá que el botón **Inscribir rostro** se habrá habilitado para permitirle completar el proceso de inscripción facial.

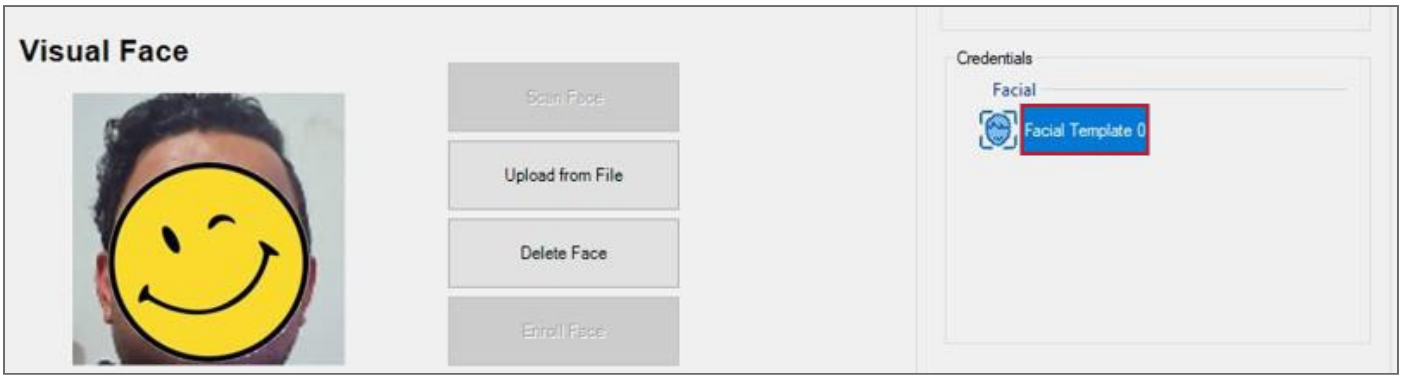
Cuando termine el proceso, recibirá un mensaje de confirmación.



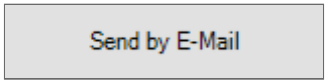
Después de registrar el rostro, puede ver o eliminar la credencial haciendo doble clic en las plantillas faciales en el Resumen del usuario:



Si hace doble clic en la plantilla de rostro que aparece en Credenciales, verá la plantilla mostrada en el panel **Facial**.

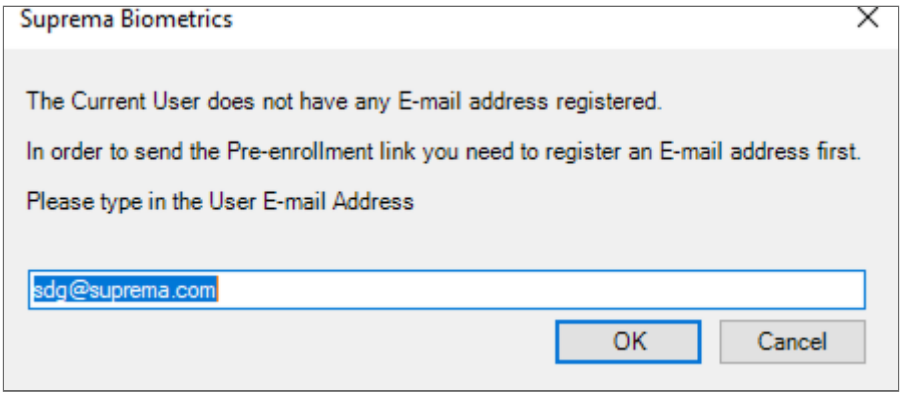


Enviar por correo electrónico



Esta es la segunda opción para la inscripción facial no presencial. Esta opción le permite enviar un vínculo seguro de preinscripción por correo electrónico, donde el usuario podrá tomar una fotografía de sí mismo y enviar en tiempo real esos datos de preinscripción de vuelta al servidor del cliente, de modo que la primera vez que el usuario se presente en las instalaciones del cliente pueda ser autenticado biométricamente (según las políticas de control de acceso configuradas previamente entre C•CURE/BioStar 2).

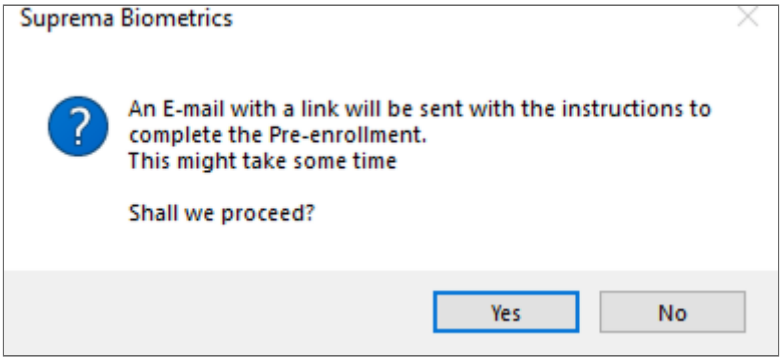
Después de realizar las validaciones, si el usuario no tiene una dirección de correo electrónico registrada en su perfil, la integración mostrará el siguiente panel para registrar una dirección de correo electrónico antes de enviar el vínculo de preinscripción.



Información

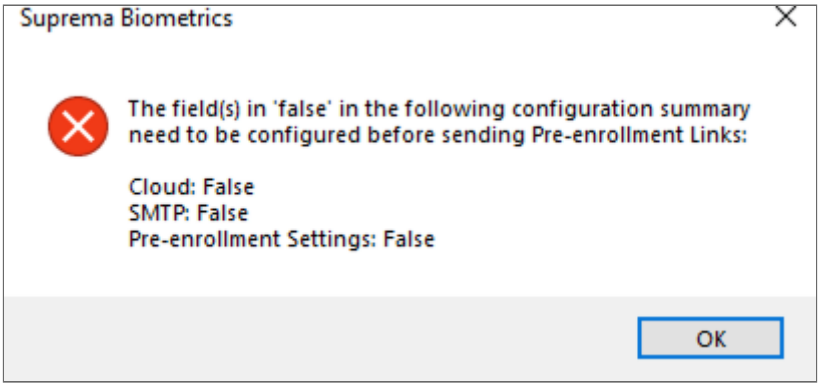
La integración validará que los datos ingresados sean una dirección de correo electrónico válida. Después de realizar la validación, la integración guardará los datos recién ingresados en BioStar 2 y C•CURE. Por lo tanto, asegúrese de hacer clic en **Guardar** antes de salir de la ventana de la vista de personal.

Una vez ingresada la dirección de correo electrónico, se mostrará el siguiente aviso. Haga clic en **Sí** para continuar o en **No** para cancelar.



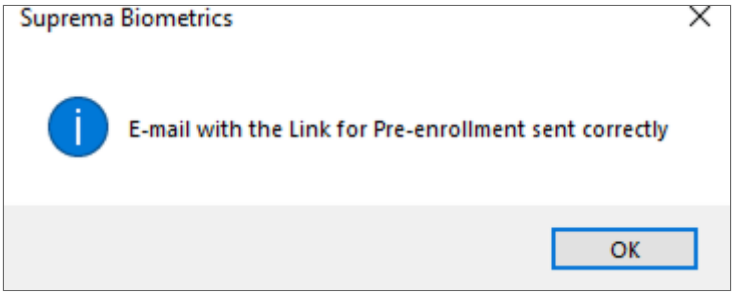
Si hizo clic en la opción **Sí**, la integración ejecutará una comprobación más antes de enviar el vínculo de preinscripción. Esto sirve para validar todas las opciones necesarias para esta función.

Si alguna de ellas aún no se ha configurado correctamente, se mostrará la siguiente ventana:



Indicando qué feature debe revisarse o configurarse antes de continuar.

Si todo ya estaba configurado, se mostrará un aviso de confirmación indicando que todo se realizó correctamente.

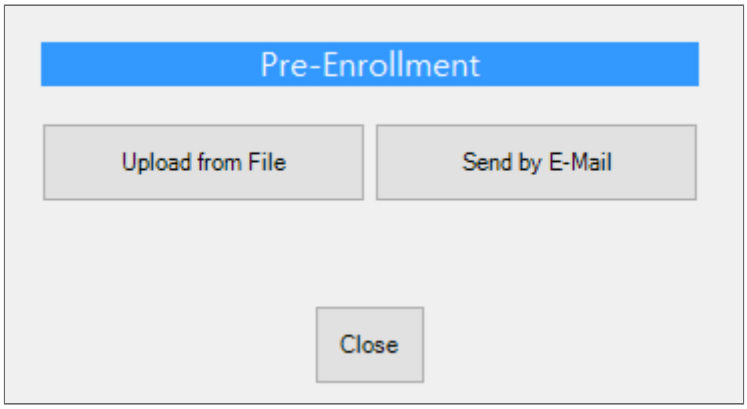


Usar imagen de perfil de C•CURE

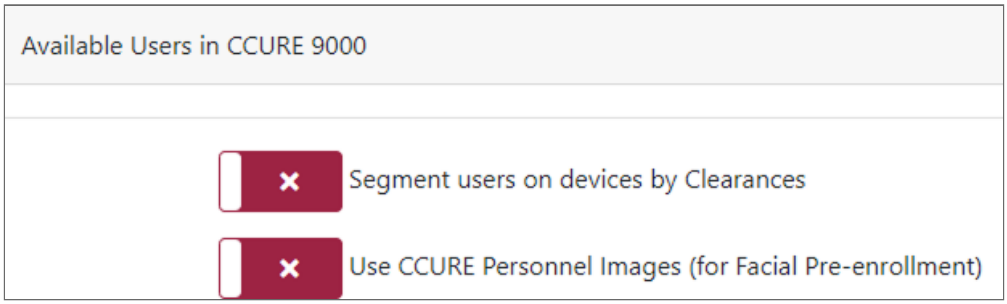
Si esta opción está activada y el perfil del usuario no tiene una credencial facial, al abrir la vista de personal la integración intentará automáticamente usar esa imagen de perfil para crear una credencial facial de preinscripción.

La integración usa un algoritmo de IA para analizar la imagen y verificar si contiene un rostro humano; si no, la imagen se rechazará. Si hay un rostro humano, la integración continuará con las siguientes revisiones, donde se aplican ciertos criterios para saber si la imagen de la persona cumple los requisitos mínimos. Si los cumple, la imagen se usará como entrada para crear la credencial facial de preinscripción.

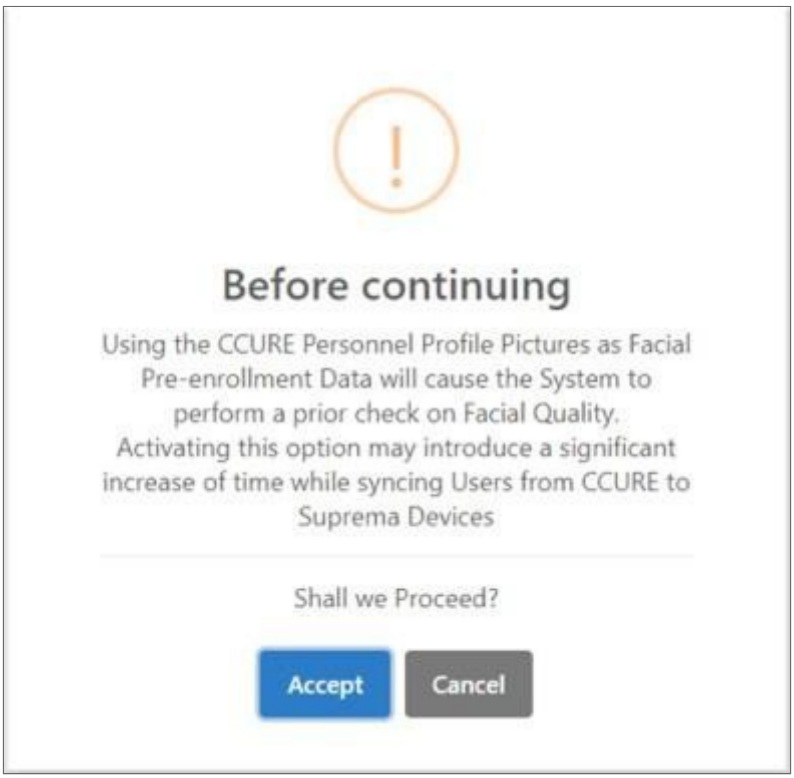
Si la opción Usar imágenes del personal de C•CURE (para preinscripción facial) no está activada en la herramienta de configuración de la integración, solo se mostrará el menú de Preinscripción.



Para activarla o desactivarla, vaya a **Integration Configuration Tool** → **menú Users**:

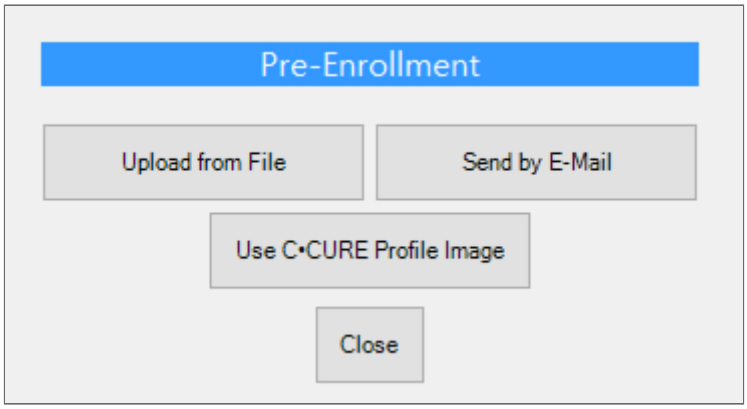


Se mostrará el siguiente aviso:



Haga clic en **Aceptar** para continuar o en **Cancelar** en caso contrario.

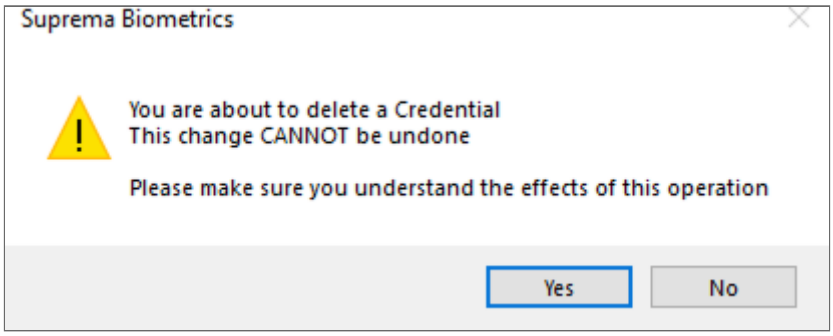
Si activó la opción, puede volver a la vista de personal, abrir el perfil del personal y revisar la opción agregada en el menú de Preinscripción:



Una vez que haga clic en el botón **Usar imagen de perfil de C•CURE**, la integración ejecutará los procedimientos para analizar la imagen de perfil de C•CURE y, si cumple los requisitos descritos antes, el proceso producirá una credencial facial válida de preinscripción.

Eliminar un rostro

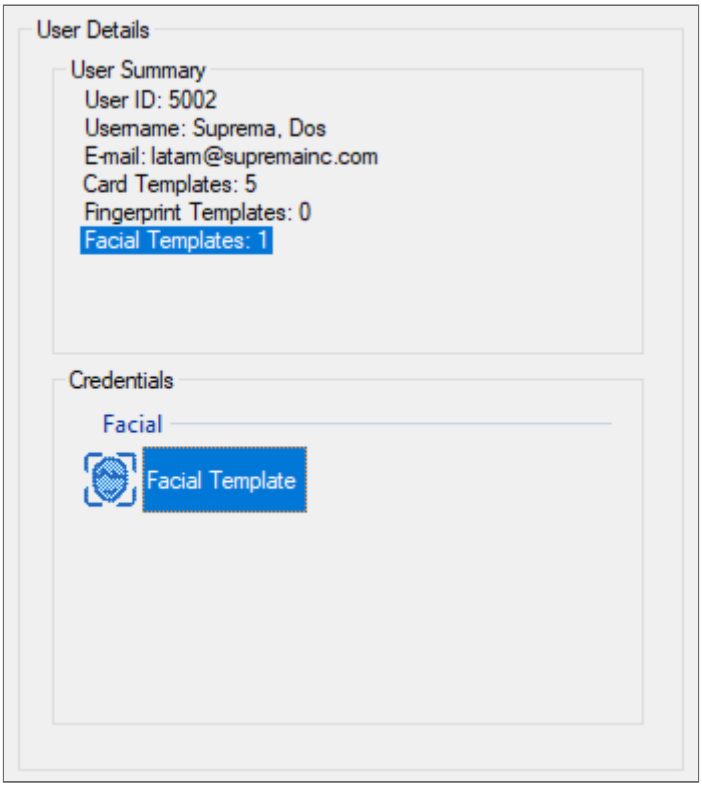
Desde allí, si desea eliminar un rostro del perfil del usuario en los dispositivos Suprema, haga clic en el botón **Eliminar**. Se mostrará un mensaje de advertencia. Haga clic en **Sí** si desea eliminar la credencial del perfil del usuario en los dispositivos Suprema; de lo contrario, haga clic en **No**.



¿Cuántos rostros se pueden añadir a cada usuario?

Se puede inscribir o preinscribir un registro facial por usuario (dos si se hace a través de BioStar 2). La razón es que el algoritmo de aprendizaje profundo implementado en los dispositivos FaceStation F2 y BioStation 3 es muy preciso, y la característica más importante es que el algoritmo de autoaprendizaje puede, como su nombre indica, aprender por sí mismo las variaciones que puede experimentar un rostro; por ejemplo, con o sin mascarilla, lentes, barba o bigote.

Sin embargo, tenga en cuenta que, aunque la evaluación comparativa del algoritmo Fusion Matching de Suprema es de primer nivel en el mercado, no realiza tareas imposibles como reconocer a una persona que usa casco si no se exponen rasgos faciales.

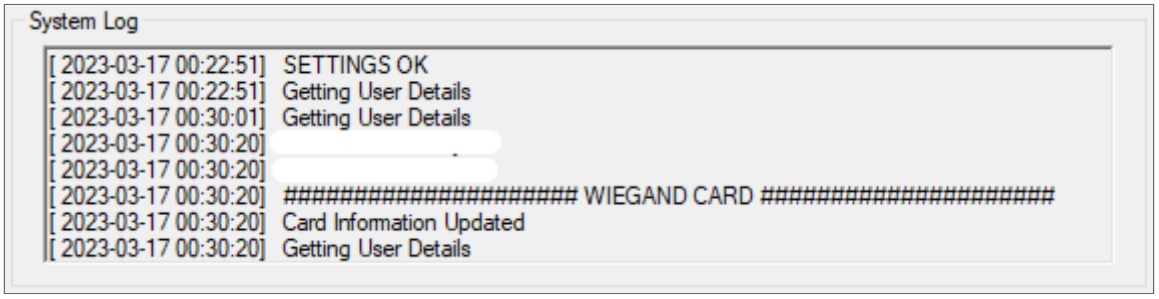


Después de hacer doble clic en cada una de las plantillas de sus distintos tipos en la pantalla, podrá verlas en su panel respectivo; desde allí también puede editarlas, como se describe en la sección anterior.

> **Información**
> Es muy importante enfatizar que estos cambios se realizan en línea y se aplicarán de inmediato en el dispositivo Suprema. Por eso, asegúrese de hacer los cambios correctos; de lo contrario, podría bloquear por error el acceso de una persona.

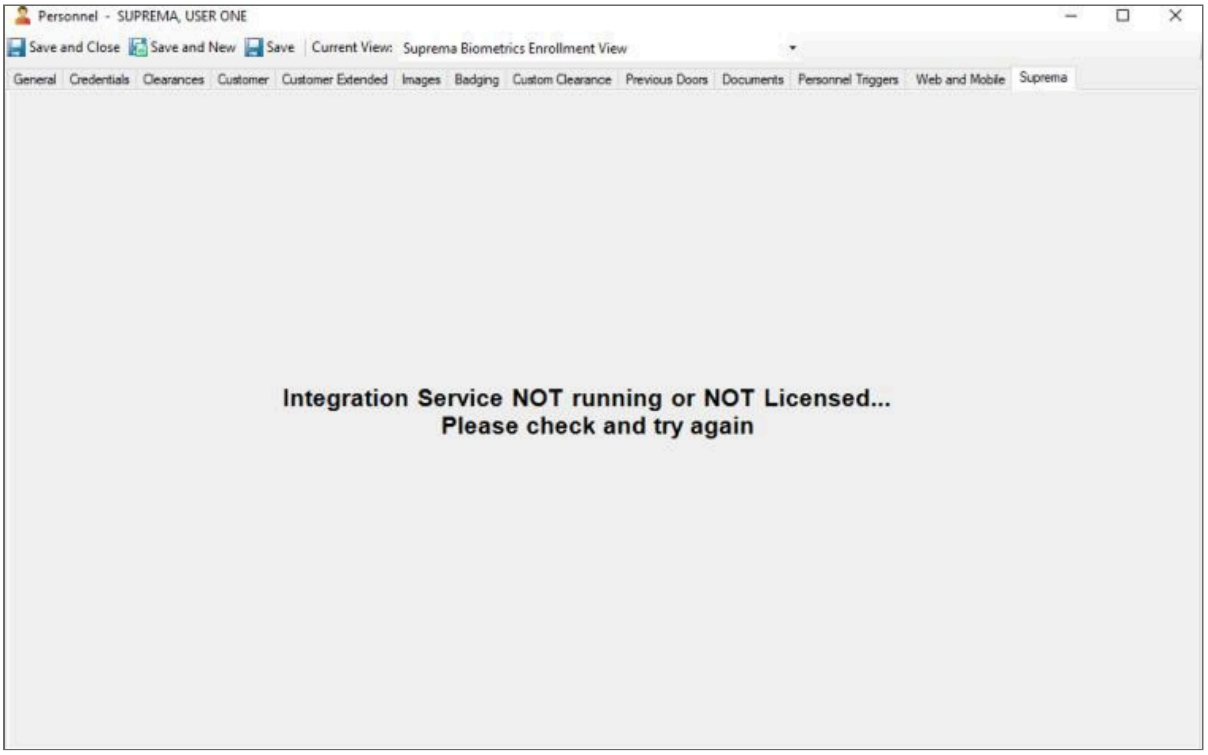
Misceláneo

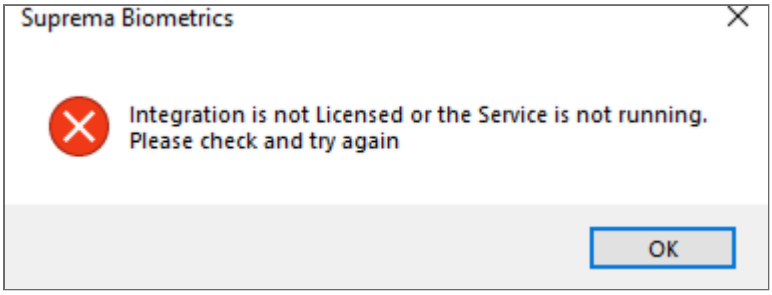
Hay una sección de ayuda en el panel inferior de la pestaña Suprema.



Aquí podrá visualizar información de registro y también ver los cambios o la respuesta del servicio Suprema.

En la primera ejecución o cuando una licencia no está validada correctamente, o el servicio de integración Suprema - C•CURE no está en ejecución, verá lo siguiente.





No podrá usar la integración hasta que verifique la validación de su licencia o que el servicio esté en ejecución.

Si está seguro de que la licencia se validó correctamente y aún recibe este error, intente cerrar la vista de personal y abrirla de nuevo. Si eso no resuelve el problema, consulte la sección de solución de problemas, número 2.

Apéndices

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zlib.h -- interface of the ‘zlib’ general purpose compression library version 1.2.8, April 28th, 2013

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