



Feature Description Document

Configuring Single Sign-On



Purpose

This document outlines the process of configuring SSO in IXM WEB.

Applies to

TITAN	TFACE	TOUCH 2	SENSE 2	MERGE 2	MYCRO
All Devices	All Devices	All Devices	All Devices	All Devices	All Devices

Description

Single Sign-On (SSO) is an authentication method that enables users to securely authenticate multiple applications and websites by using just one set of credentials. With this feature, IXM WEB users can log into IXM WEB using their Windows credentials.

This document will describe all the available settings and configurations for using the SSO feature in IXM Web.



Configuring Windows Authentication

1. Once IXM WEB is installed, go to the “**Invixium**” path in the machine where IXM WEB is installed.
2. Navigate to **IXM WEB >> Areas >> SingleSignOn >> Views**.
3. Open the **web.config** file in any text editor >> Search for “<**system.web**>” >> Add the below text in between “<**system.web**>” and “</**system.web**>”:
<authentication mode="Windows" />
<authorization>
<deny users="?" />
</authorization>

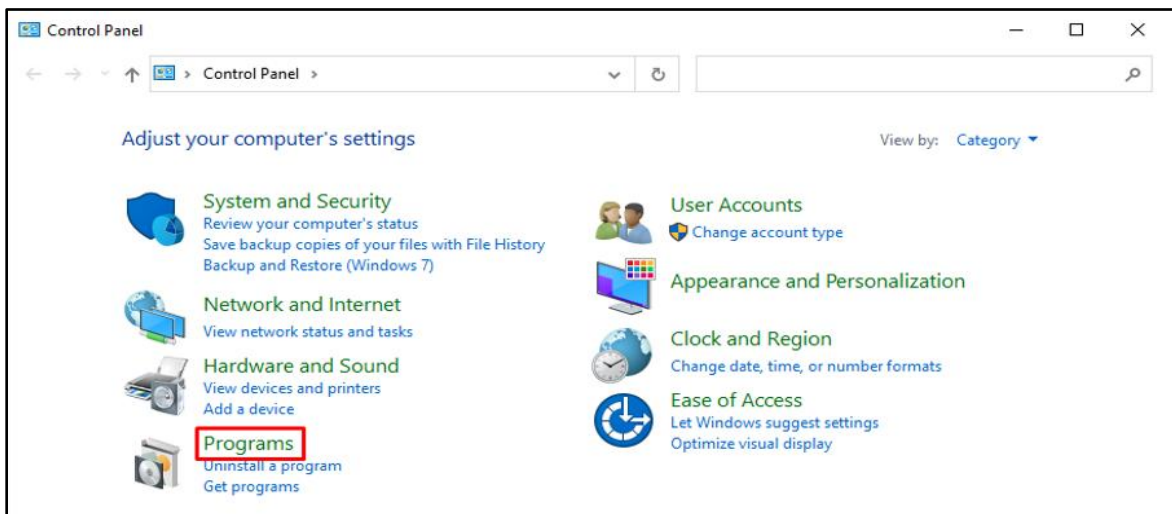
```
1 <?xml version="1.0" encoding="utf-8"?>
2 <configuration>
3 <configSections>
4 <sectionGroup name="system.web.webPages.razor"
5 <type="System.Web.WebPages.Razor.Configuration.RazorWebSectionGroup, System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral,
6 <section name="host"
7 <type="System.Web.WebPages.Razor.Configuration.HostSection, System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35"
8 <requirePermission="false"/>
9 <section name="pages"
10 <type="System.Web.WebPages.Razor.Configuration.RazorPagesSection, System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral,
11 <requirePermission="false"/>
12 </sectionGroup>
13 </configSections>
14 <system.web>
15 <authentication mode="Windows" />
16 <authorization>
17 <deny users="?" />
18 </authorization>
19 </system.web>
```

4. Save the “**web.config**” file.

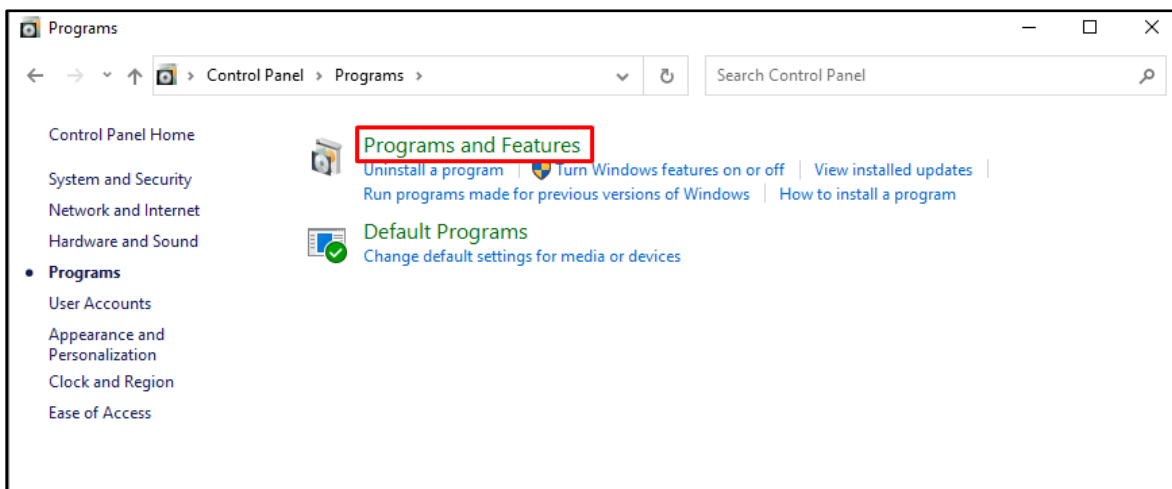
Enabling Windows Authentication

a) Enable Windows authentication from the Control Panel

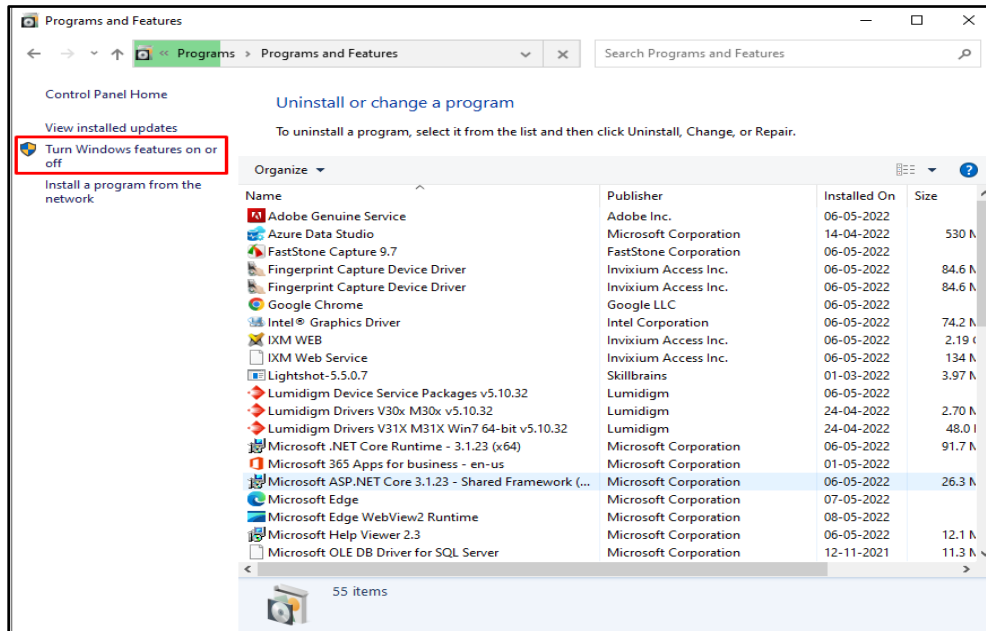
1. Open **Control Panel >> Programs**.



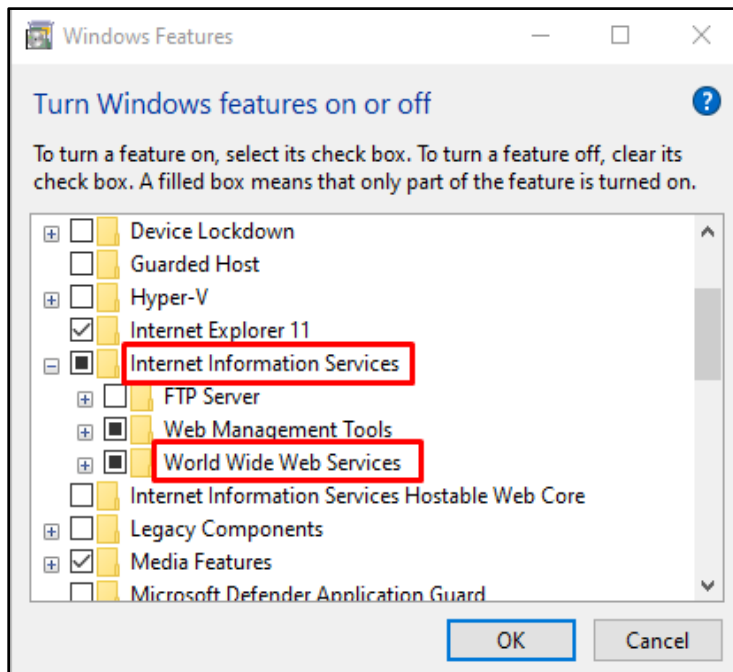
2. Click on **Programs and Features**.



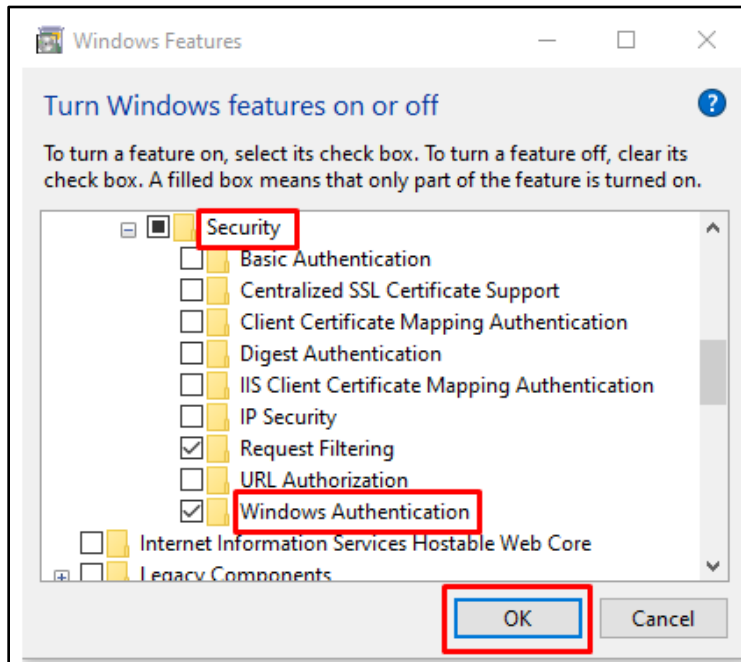
3. Click on **Turn Windows features on or off.**



4. Expand **Internet Information Services >> World Wide Web Services.**



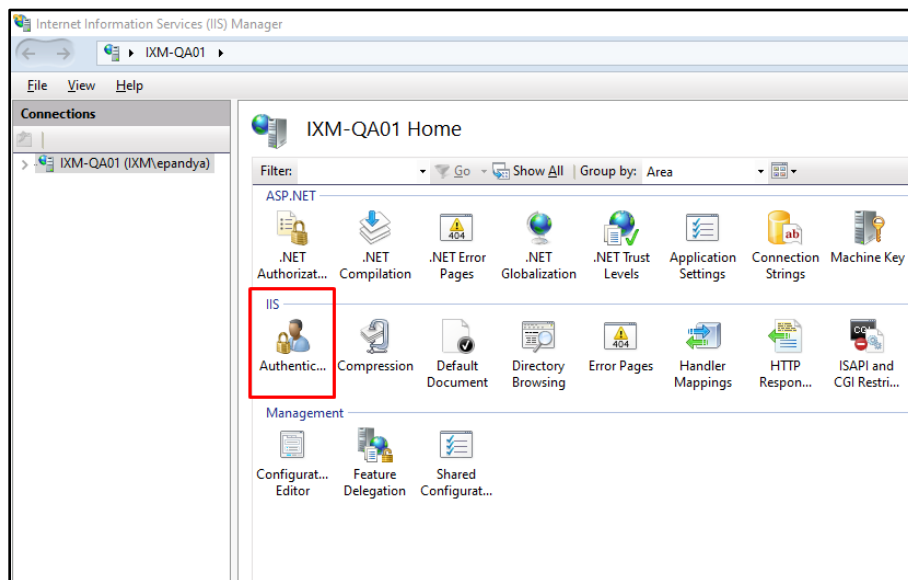
5. Expand **Security** >> Enable **Windows Authentication**.



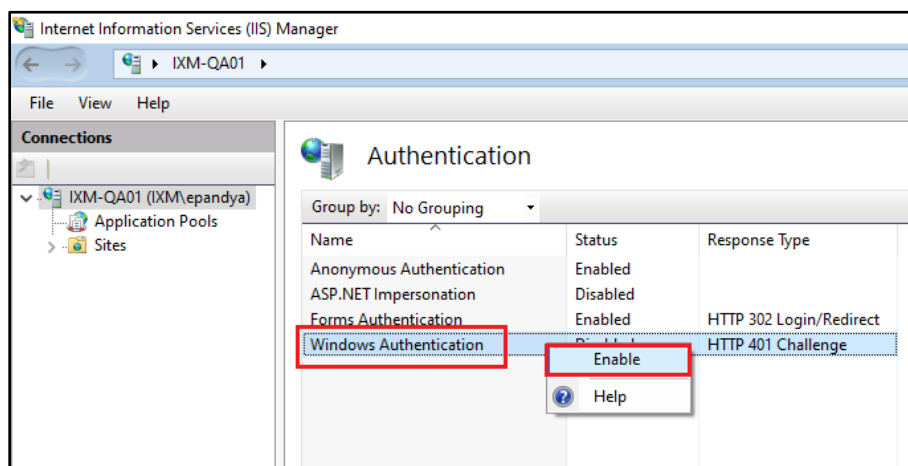
6. Click **OK** to finish the configuration.

b) Enable Windows Authentication from IIS

1. Once IXM WEB is installed, open **IIS**.
2. Double click on **Authentication**.



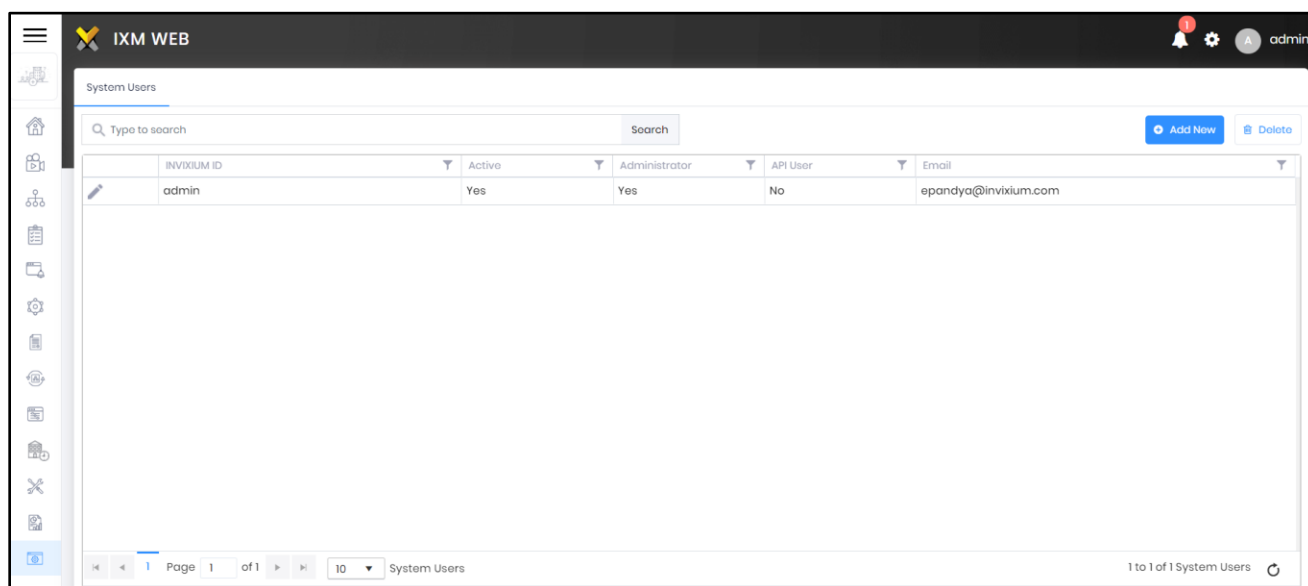
3. Right click on **Windows Authentication** >> Click on **Enable**.



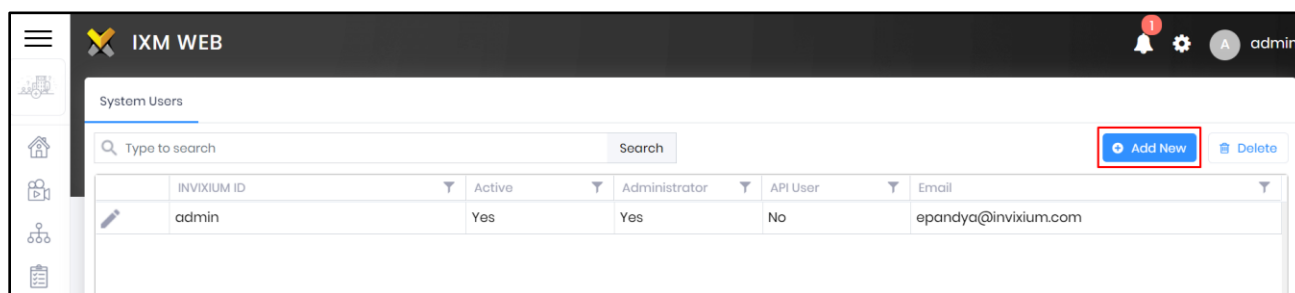
Create System User(s) for SSO Login

Note: SSO login can only be enabled for domain users.

1. Log into IXM WEB.
2. On the home page, expand **Left Navigation Pane** >> **System**. The application will redirect to the System Users window.




3. Click on **Add New**.



4. Creating an SSO user requires the following details:
 - Login type: Domain employee
 - InviXium ID (User ID): For domain employee logins, User ID is automatically filled from AD
 - Password: For domain employee logins, password creation is not required

- Email address
- Status
- SSO Login: Enable SSO login
- Permission for modules: Assign permission for modules based on the requirement.

System Users
✕



Login Type

Domain Employee

INVIXIUM ID

Email

Status

SSO Login

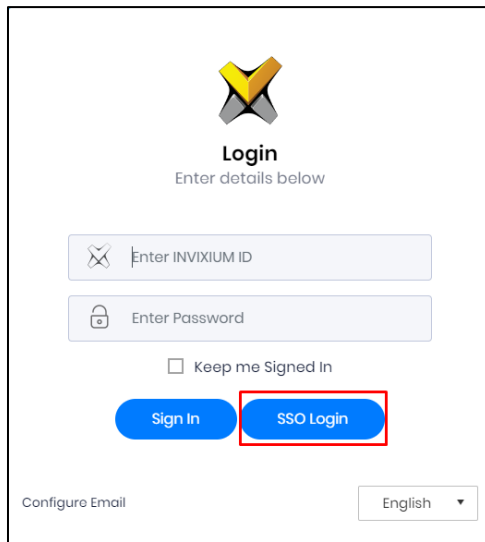
Dashboard	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Employee & Employee Group	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Device & Device Group	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
General Settings	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Notification Settings	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Tools	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Company Schedules	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Organization Hierarchy	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Logs	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Licensing	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Link	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Convert	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Reports	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
System	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
IXM Health	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>
Visitors	<input type="text" value="None"/>	<input type="text" value="View"/>	<input type="text" value="Edit"/>	<input type="text" value="All"/>

5. Click on **Save**.



Login with an SSO System User

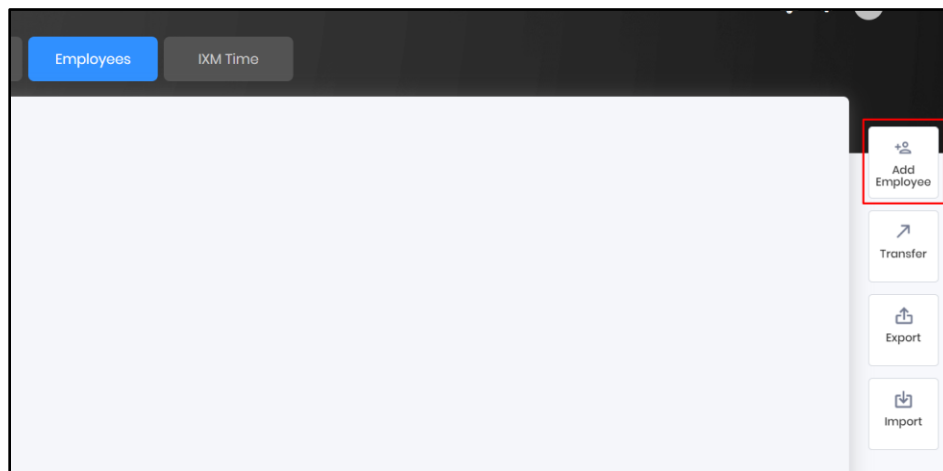
Access IXM WEB in browser >> Click on **SSO Login**.

A screenshot of the INVIXIUM login interface. At the top center is the INVIXIUM logo. Below it, the word 'Login' is displayed in bold, followed by the instruction 'Enter details below'. There are two input fields: the first is labeled 'Enter INVIXIUM ID' and the second is labeled 'Enter Password'. Below these fields is a checkbox labeled 'Keep me Signed In'. At the bottom of the form are two blue buttons: 'Sign In' and 'SSO Login'. The 'SSO Login' button is highlighted with a red rectangular border. At the bottom left of the page is a link for 'Configure Email', and at the bottom right is a language selection dropdown menu currently set to 'English'.

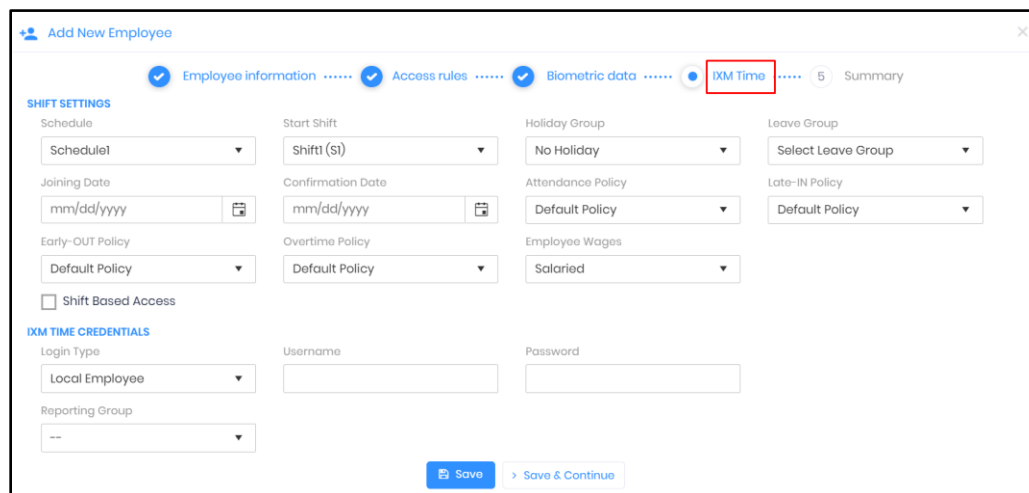
Create IXM Time Employee(s) for SSO Login

Note: SSO login for IXM Time employees can only be enabled for domain users.

1. Once the IXM Time license is activated successfully, navigate to the **Employee** module >> Click on **Add Employee**.



2. Enter employee details as per requirement >> Click on the **IXM Time** tab.



SHIFT SETTINGS

Schedule Schedule1	Start Shift Shift1 (st)	Holiday Group No Holiday	Leave Group Select Leave Group
Joining Date mm/dd/yyyy	Confirmation Date mm/dd/yyyy	Attendance Policy Default Policy	Late-IN Policy Default Policy
Early-OUT Policy Default Policy	Overtime Policy Default Policy	Employee Wages Salaried	

Shift Based Access

IXM TIME CREDENTIALS

Login Type Local Employee	Username	Password
Reporting Group ---		

Buttons: Save, Save & Continue

3. Creating an SSO user requires the following details:
 - Login type: Domain employee
 - Invixium ID (User ID): For domain employee logins, User ID is automatically filled from AD
 - Password: For domain employee logins, password creation is not required



- SSO Login: Enable SSO login

Add New Employee

Employee information ... Access rules ... Biometric data ... **IXM Time** ... 5 Summary

SHIFT SETTINGS

Schedule	Start Shift	Holiday Group	Leave Group
Schedule1	Shift1 (s1)	No Holiday	Select Leave Group
Joining Date	Confirmation Date	Attendance Policy	Late-IN Policy
mm/dd/yyyy	mm/dd/yyyy	Default Policy	Default Policy
Early-OUT Policy	Overtime Policy	Employee Wages	
Default Policy	Default Policy	Salaried	

Shift Based Access

IXM TIME CREDENTIALS

Login Type	Domain Employee	Username	<input checked="" type="checkbox"/> SSO Login
Domain Employee	opandya	ixm.local\epandya	

Reporting Group

--

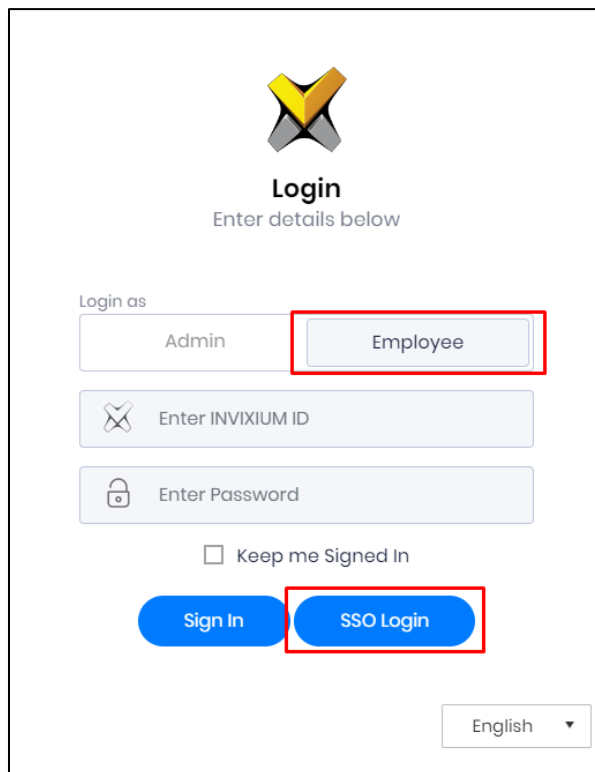
Save > Save & Continue

4. Click on **Save**.



Login with an SSO IXM Time Employee

Access IXM WEB in browser >> Click on **Employee** tab >> Click on **SSO Login**.

A screenshot of the INVIXIUM login interface. At the top center is the INVIXIUM logo. Below it, the word 'Login' is displayed in bold, followed by the instruction 'Enter details below'. There are two tabs for 'Login as': 'Admin' and 'Employee'. The 'Employee' tab is highlighted with a red rectangular box. Below the tabs are three input fields: 'Enter INVIXIUM ID' (with a key icon), 'Enter Password' (with a lock icon), and a checkbox labeled 'Keep me Signed In'. At the bottom, there are two blue buttons: 'Sign In' and 'SSO Login'. The 'SSO Login' button is highlighted with a red rectangular box. In the bottom right corner, there is a language dropdown menu currently set to 'English'.



Configuring Default Login

a) Configure Default Login to True

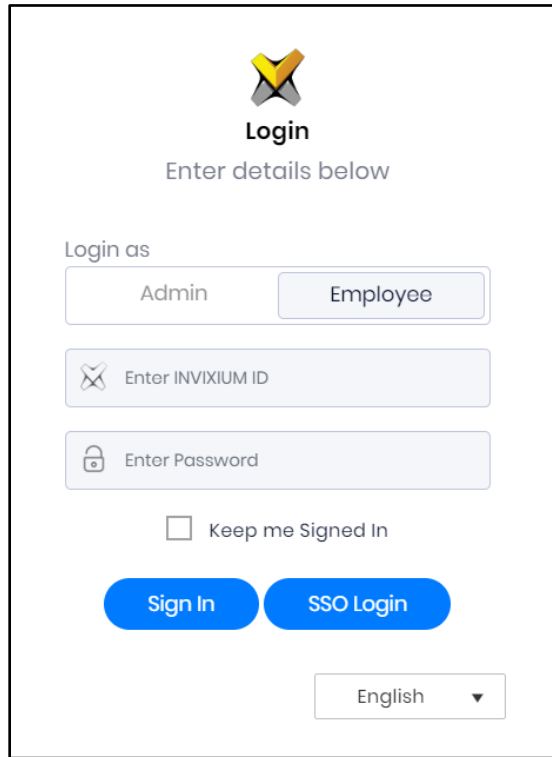
1. Go to the “**Invixium**” path in the machine where IXM WEB is installed.
2. Navigate to **IXM Web** >> Open web.config file.
3. Open **web.config** file in any text editor >> Search for “**DefaultLogin**” >> Update “**value**” to “**true**”.

```
146 <add key="lenel_on_guard_bulk_page_number" value="0" />
147 <add key="lenel_on_guard_initial_import_mode" value="Incremental" />
148 <add key="lenel_on_guard_time_diff" value="0" />
149 <add key="max_records" value="100" />
150 <add key="pro-watch_open_timeout_mins" value="10" />
151 <add key="pro-watch_close_timeout_mins" value="10" />
152 <add key="pro-watch_send_timeout_mins" value="60" />
153 <add key="pro-watch_receive_timeout_mins" value="60" />
154 <add key="pro-watch_initial_import_mode" value="Incremental" />
155 <add key="FireAlarmAPI" value="IXMWebApi/TransactionLog/GenerateFireAlarm" />
156 <add key="VisitorDocumentFiletePath" value="/VisitorDocuments/" />
157 <add key="NedapEnrollmentUrl" value="Link/EnrollNedapAEOSUser/" />
158 <add key="gallagher_pos_override" value="0" />
159 <add key="gallagher_initial_import_mode" value="Incremental" />
160 <add key="IXMMobile_Android_URL" value="https://play.google.com/store/apps/details?id=com.invixium.vitals" />
161 <add key="IXMMobile_IOS_URL" value="https://apps.apple.com/app/idi580758087" />
162 <add key="DefaultLogin" value="true" />
163 </appSettings>
164 <!--
```

4. Save the “**web.config**” file.

Note: Perform a hard refresh (i.e., ctrl + F5) if IXM WEB is already open in any browser after updating the IXM WEB config file.

Result: IXM WEB's login page will be displayed when the IXM WEB URL is accessed in the browser.



The screenshot shows the login page for IXM WEB. At the top center is the INVIXIUM logo, a stylized 'X' with a yellow and grey gradient. Below the logo is the word "Login" in bold, followed by the instruction "Enter details below".

The login form consists of several elements:

- A "Login as" section with two buttons: "Admin" and "Employee".
- An input field with a key icon and the text "Enter INVIXIUM ID".
- An input field with a lock icon and the text "Enter Password".
- A checkbox labeled "Keep me Signed In".
- Two blue buttons: "Sign In" and "SSO Login".
- A language dropdown menu at the bottom right, currently set to "English".



b) Configure Default Login to False

1. Go to the “Invixium” path in the machine where IXM WEB is installed.
2. Navigate to **IXM Web** >> Open web.config file.
3. Open **web.config** file in any text editor >> Search for “**DefaultLogin**” >> Update “**value**” to “**false**”.

```
143 <add key="genetec_max_degree_of_parallelism" value="50" />
144 <add key="lenel_og_max_degree_of_parallelism" value="5" />
145 <add key="pro-watch_bulk_page_number" value="0" />
146 <add key="lenel_on_guard_bulk_page_number" value="0" />
147 <add key="lenel_on_guard_initial_import_mode" value="Incremental" />
148 <add key="lenel_on_guard_Time_diff" value="0" />
149 <add key="max_records" value="100" />
150 <add key="pro-watch_open_timeout_mins" value="10" />
151 <add key="pro-watch_close_timeout_mins" value="10" />
152 <add key="pro-watch_send_timeout_mins" value="60" />
153 <add key="pro-watch_receive_timeout_mins" value="60" />
154 <add key="pro-watch_initial_import_mode" value="Incremental" />
155 <add key="FireAlarmAPI" value="IXMWebapi/TransactionLog/GenerateFireAlarm" />
156 <add key="VisiorDocumentFiletePath" value="/VisitorDocuments/" />
157 <add key="NedapEnrollmentUrl" value="Link/EnrollNedapAEOSUser/" />
158 <add key="gallagher_pos_override" value="0" />
159 <add key="gallagher_initial_import_mode" value="Incremental" />
160 <add key="IXMMobile_Android_URL" value="https://play.google.com/store/apps/details?id=com.invixium.vitals" />
161 <add key="IXMMobile_IOS_URL" value="https://apps.apple.com/app/id1580758087" />
162 <add key="DefaultLogin" value="false" />
163 </appsettings>
```

4. Save the “web.config” file.

Note: Perform a hard refresh (i.e., ctrl + F5) if IXM WEB is already open in any browser after updating the IXM WEB config file.

Result:

- SSO system users will directly login to IXM WEB when the IXM WEB URL is accessed in the browser.
- T&A SSO employees will directly login to the employee portal when the IXM WEB URL is accessed in the browser.



FAQs

1. Is SSO supported in Internet Explorer?

No, SSO is not supported in Internet Explorer.

2. Is SSO supported in incognito mode?

No, SSO is not supported in incognito mode.

3. When will the SSO login button appear on the login page?

SSO Login will only appear if at least 1 domain user is present in IXM WEB.

4. Is SSO supported in Mozilla Firefox?

Yes, but clicking on the SSO Login button in the browser may ask your username and password in a pop-up. In such cases, directly click on the sign-in button without entering your username and password.

5. What if browsers do not trust the IXM WEB site for Windows authentication?

In such cases, end-users can use a self-signed certificate or can add the WEB URL under Local intranet from the control panel's Internet Options.



Support

For more information relating to this Feature Description document, please contact us at support@invixium.com

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