



# **Microsoft Azure Active Directory One-click Single Sign-on Edge Integration Guides**



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# Version history

VERSION	DATE	DESCRIPTION
1.0	July 2021	<ul style="list-style-type: none"><li>• Document creation</li></ul>

# Overview

The Microsoft Azure Active Directory (AD) One-click Single Sign-on (SSO) integration with Cornerstone is a one-way authentication process that allows users to access Cornerstone from Microsoft My Apps without having to enter another set of credentials. With the added one-click feature, this SSO solution provides a quick and simplified process to configure and enable the integration in both Cornerstone and Azure AD with minimal manual effort.

This SSO integration supports the following features:

- Deep link
- Mobile SSO

## Considerations

1. The integration is a one-way SSO from Microsoft to Cornerstone.
2. The integration does not support user provisioning.
3. The SSO integration uses either of the following user identifiers to authenticate a user into Cornerstone (username, user ID, email address).

## Prerequisites

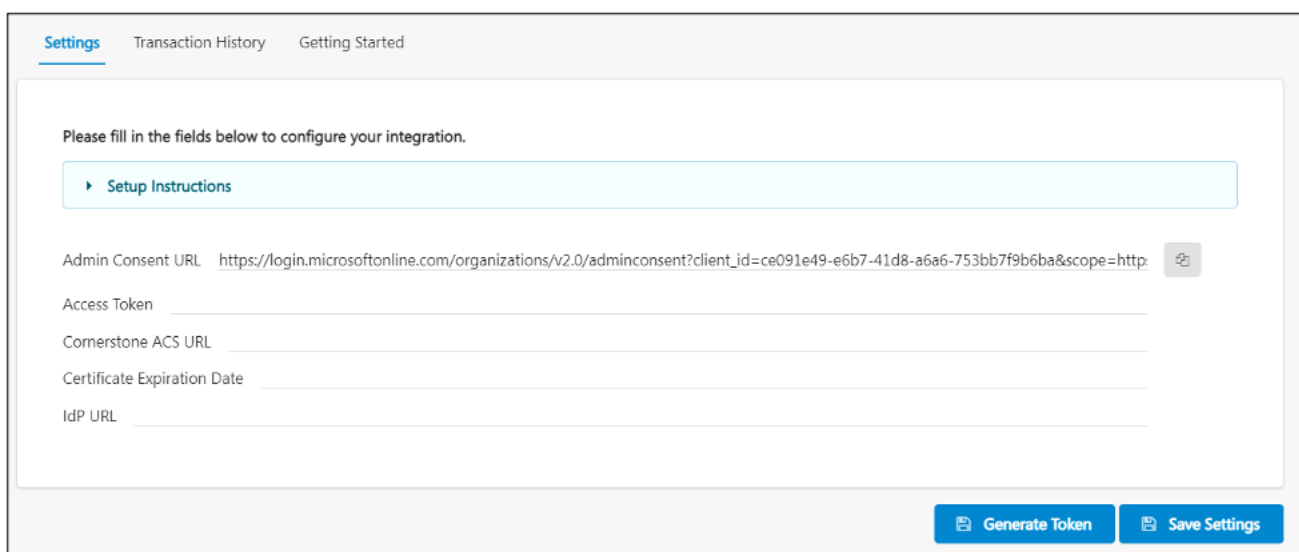
1. Cornerstone product
2. Microsoft account
3. Microsoft Azure Active Directory admin account with Cloud Application Administrator role
4. SSO users and their corresponding user identifiers must exist in both Cornerstone and Microsoft Azure AD

# Install instructions

It is strongly recommended to test the integration in either your Cornerstone Pilot or Stage environment before setting it up in Production.

This step requires an Azure AD admin assigned with the role Cloud Application Administrator role.

1. Log in to your Cornerstone portal.
2. Navigate to the **Edge Marketplace** (Admin Tools > Edge > Marketplace).
3. Search for **Microsoft Azure Active Directory One-Click Single Sign-on** then click on the integration tile.
4. Click on **Install**.
5. Review the terms and conditions then select the checkbox for I **have read, understand, and agree to the above terms and conditions**. Click on **Install**.
6. Click on **Configure Now**. You will be directed to the **Settings** page.
7. On the Settings page, copy the URL in the **Admin Consent URL** by clicking on the copy icon.



The screenshot shows the 'Settings' page for the integration. At the top, there are tabs for 'Settings', 'Transaction History', and 'Getting Started'. Below the tabs, there is a heading 'Please fill in the fields below to configure your integration.' and a 'Setup Instructions' section. The form contains the following fields:

- Admin Consent URL: [https://login.microsoftonline.com/organizations/v2.0/adminconsent?client\\_id=ce091e49-e6b7-41d8-a6a6-753bb7f9b6ba&scope=http](https://login.microsoftonline.com/organizations/v2.0/adminconsent?client_id=ce091e49-e6b7-41d8-a6a6-753bb7f9b6ba&scope=http) (with a copy icon)
- Access Token: \_\_\_\_\_
- Cornerstone ACS URL: \_\_\_\_\_
- Certificate Expiration Date: \_\_\_\_\_
- IdP URL: \_\_\_\_\_

At the bottom right, there are two buttons: 'Generate Token' and 'Save Settings'.

8. Open a new browser tab then paste the Admin Consent URL in the address bar. Press Return/Enter on your keyboard. You will be directed to Microsoft where you will be prompted to enter your credentials. Then, review the permissions requested for this integration and click on **Accept** if you want to proceed. Upon providing consent, you will be redirected to [Microsoft My Apps](#).

9. Switch back to the Cornerstone portal tab. On the Settings page, click on the **Generate Token** button. You will be directed to [www.login.microsoft.com](http://www.login.microsoft.com) and will be prompted to enter your credentials. Once a token is generated, you will be automatically directed to Cornerstone's Edge Settings page.
10. On the Settings page, click on **Save Settings** which will then take you to the Manage Integrations page.
11. Search for **Microsoft Azure Active Directory One-Click Single Sign-on** and verify that the toggle switch has been automatically enabled for this integration.
12. Return to the Settings page by clicking on **Microsoft Azure Active Directory One-Click Single Sign-on** integration name. Verify that the following fields have been automatically populated with values: Cornerstone ACS URL, Certificate Expiration Date, and IdP URL.
13. Open a new browser tab and log in to your Azure portal ([www.portal.azure.com](http://www.portal.azure.com)). Navigate to Azure **Active Directory > Enterprise applications** and select the appropriate application for the Cornerstone One-click Single Sign-on application.
  - Stage: Cornerstone One-click Single Sign-on (Stage)
  - Pilot: Cornerstone One-click Single Sign-on (Pilot)
  - Production: Cornerstone One-click Single Sign-on (Production)
14. Navigate to **Single sign-on** page then click Edit on the User Attributes & Claims section.

To test the SSO, please reference the [tutorial documentation](#) in Microsoft Azure AD.

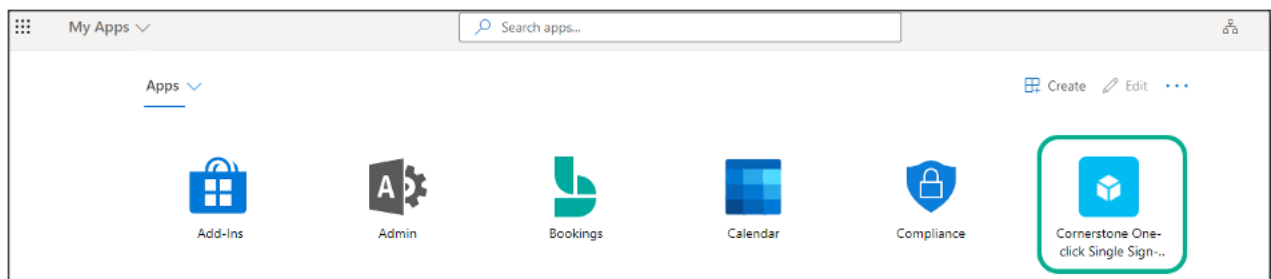
# SSO Workflow

End users may access Cornerstone via SSO using either of the following methods:

1. Microsoft My Apps Panel
2. Embed the application URL in your intranet

## Microsoft My Apps Panel

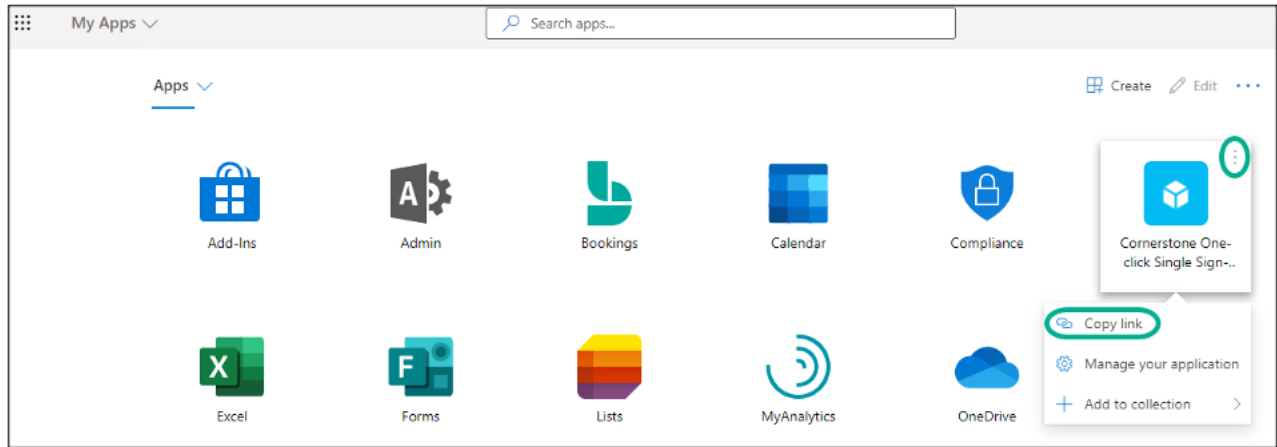
1. Log in to <https://myapps.microsoft.com>.
2. Navigate to **My Apps**.
3. Search for the appropriate Cornerstone One-click Single Sign-on application then click on the application tile.



4. User will be authenticated into Cornerstone via SSO.

# Cornerstone URL Application

1. Log in to <https://myapps.microsoft.com>.
2. Navigate to **My Apps**.
3. Search for the appropriate Cornerstone One-click Single Sign-on application then click on the vertical ellipsis on the upper right-hand corner. Click on Copy link. You may embed this link in your intranet portal for users to access Cornerstone via SSO.





# Appendix

## A. Security Permissions

Permission Name	Permission Description	Category
Edge Marketplace - Manage	Grants access to the Marketplace service for Edge Integrate where the administrator can browse and purchase third-party integrations that can be used to extend the Cornerstone system. This permission cannot be constrained. This is an administrator permission.	Edge
Edge Integrations - Manage	Grants access to the Integrations service for Edge Integrate where the administrator can configure, enable, and disable their third-party integrations that are used within the Cornerstone system. This permission cannot be constrained. This is an administrator permission.	Edge

## B. Support

- For Cornerstone-related questions, post your Azure AD SSO integration questions on [Ask an Expert: Integrations in Success Center](#).
- To report Cornerstone-related Azure AD SSO integration issues, submit a case with Global Customer Support through Support Central.
- To share enhancement ideas related to the Azure AD SSO integration, post your suggestion on [Suggestion City: Edge in Success Center](#).