

# Cloudbrink - MS Entra ID Integration

Cloudbrink's Hybrid Access as a Service has granular role based access controls, enabling administrators to assign different users and groups to needed public and private resources. Rather than requiring customers to manually define these users and groups, Cloudbrink instead integrates with the customer's existing identity provider. This enables organizations and their end-users to utilize existing single sign-on methods, simplifying onboarding and management. This document covers configuring Cloudbrink with Entra ID.

### Overview

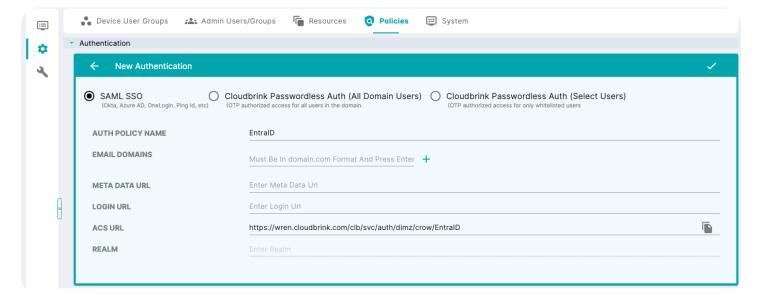
Microsoft Entra Identity, commonly known as Entra ID, is a comprehensive identity and access management solution designed to enhance security and streamline user access across various platforms. Its key benefits include robust authentication mechanisms, centralized identity management, and simplified access controls. Entra ID facilitates secure and efficient user access, reducing the risk of unauthorized access and data breaches. By offering features like multi-factor authentication and single sign-on, it greatly improves the user experience while maintaining high security standards. This makes Entra ID an ideal choice for organizations looking to strengthen their cybersecurity infrastructure and optimize user access management with Cloudbrink.

### **Prerequisites**

- Administrative access into the Cloudbrink Administrators portal
- Administrative access into the Microsoft Entra ID portal
- Cloudbrink Entra ID signing certificate provided from <a href="mailto:support@cloudbrink.com">support@cloudbrink.com</a>

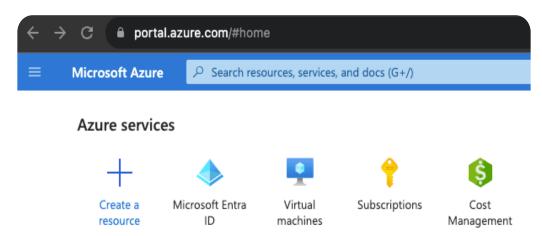
# **Configure Authentication Policy**

- Navigate to the Cloudbrink Admin portal admin.cloudbrink.com
- 2. Navigate to Configure > Authentication > Create New Auth Policy

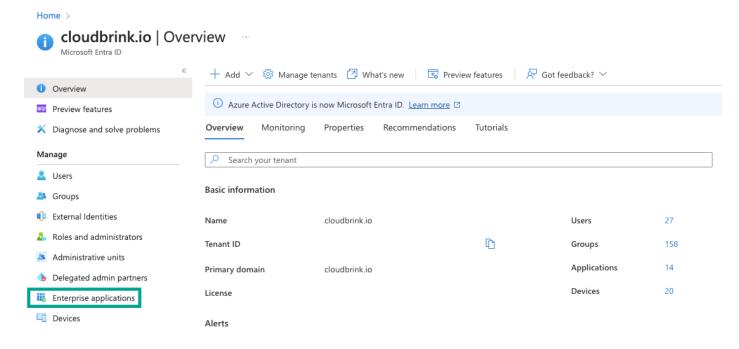




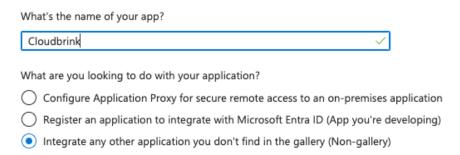
- Under SAML SSO, Input a unique Auth Policy Name, and Email Domain
- Copy the **ACS URL** to a notepad
- Navigate to the Entra ID portal.



6. Navigate to Enterprise Applications on the left hand panel



- + New application to create a new Enterprise Application for Cloudbrink
- 8. Click + Create your own application and fill out the name of the app, as well as ensuring that "Inregrate any other application you dont find in the gallery (Non-gallery) is selected. Hit save.





9. On the next screen, select 1. Assign users and groups

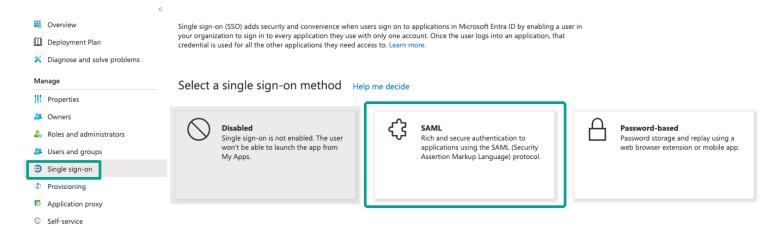
#### **Properties** Cloudbrink Application ID 🕦 746c6a64-4c08-4f2f-a51... Object ID ① 41d6b3b4-4e2e-475e-9... **Getting Started** 2. Set up single sign on 3. Provision User Accounts 4. Conditional Access 1. Assign users and groups Provide specific users and groups access Enable users to sign into their application using their Microsoft Entra credentials Automatically create and delete user Secure access to this application with a customizable access policy. accounts in the application to the applications Create a policy

10. Select + Add user/group and select the group(s) you'd like to have access via Cloudbrink.

Note: While here, you should copy the group "Object ID" value(s) and put them in your notepad from earlier. These will be used to map groups to access levels in the Cloudbrink admin portal later.

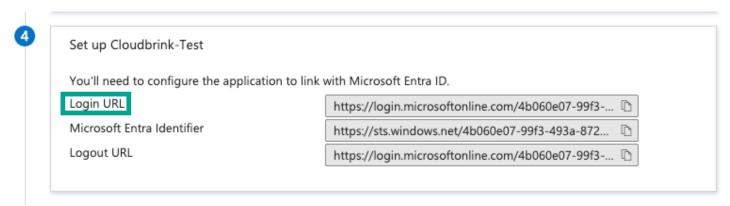


11. After you've added the groups required, from you Enterprise App menu, Select "Single sign-on" and then "SAML" from the left hand panel under manage.

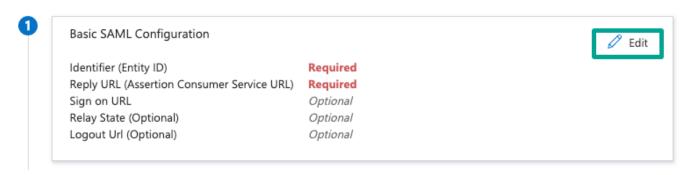




12. Copy the "Login URL" lower on the page under number 4 to your notepad.



13. Click "Edit" on the Basic SAML Configuration



- 14. Under the right hand window, fill in the following fields:
  - Identifier (Entity ID): https://wren.cloudbrink.com/<example>/svc/auth/<example> i. This is copied from step 4 above
  - Reply URL: https://wren.cloudbrink.com/<example>/svc/auth/<example>
    - i. Same as above
  - c. Sign on URL: https://login.microsoftonline.com/<example>/
    - i. Copied from step 12.
- 15. Once all above fields are filled appropriately, hit save on the top left.

### **Basic SAML Configuration** Got feedback? ☐ Save The unique ID that identifies your application to Microsoft Entra ID. This value must be unique across all applications in your Microsoft Entra tenant. The default identifier will be the audience of the SAML response for IDP-initiated SSO i) https://wren.cloudbrink.com/ ✓ <u></u> 0 Reply URL (Assertion Consumer Service URL) \* ① The reply URL is where the application expects to receive the authentication token. This is also referred to as the "Assertion Consumer Service" (ACS) in SAML. Default V (i) https://wren.cloudbrink.com/ Add reply URL Sign on URL (Optional) Sign on URL is used if you would like to perform service provider-initiated single sign-on. This value is the sign-in page URL for your application. This field is unnecessary if you want to perform identity provider-initiated single signhttps://login.microsoftonline.com/ /saml2

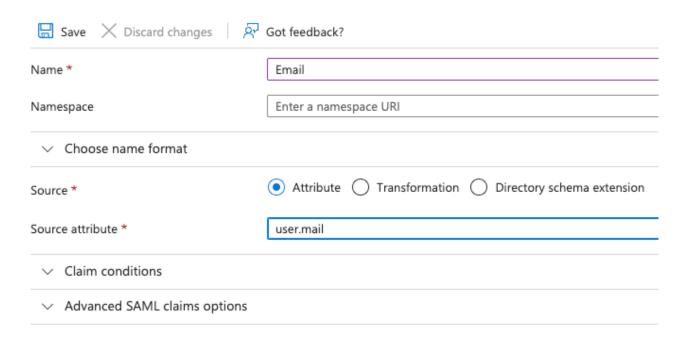


### 16. Click edit on the Attributes & Claims section



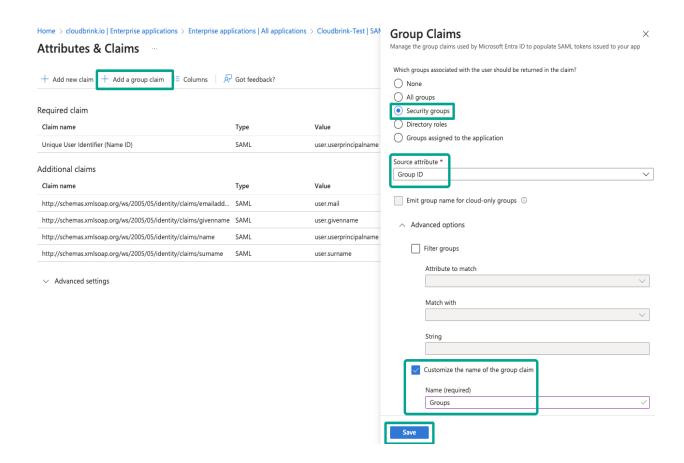
- 17. Click on Add new claim and fill out the following fields (non-specified fields can be left as default), and then click **Save**:
  - a. Name: Email
  - b. Source attribute: user.mail

### Manage claim

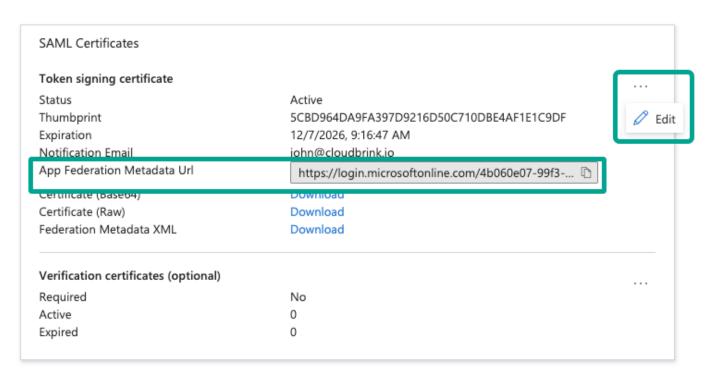


- 18. Click Add a Group claim and in the pane that appears to the right, enter in the following fields and click Save:
  - a. Which groups associated: Security groups
  - **b. Source attribute:** Group ID
  - c. Advanced options:
    - i. Customize the name of the group claim: Checkbox selected Groups
    - ii. Name (required): Groups



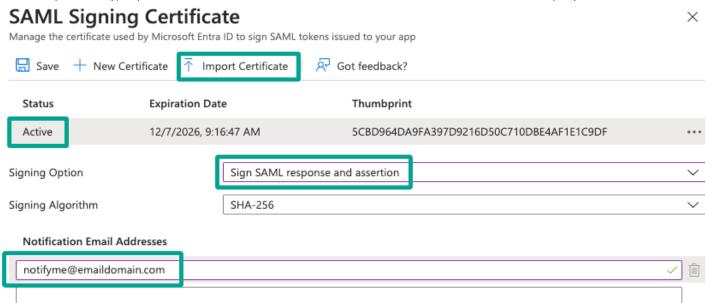


- 19. Back within the Single sign-on section of the application, under the 3 SAML Signing Certificate section, copy the App Fedearation Metadata URL to your notepad.
- 20. Click the three little dots on the top right corner under the SAML Certficates window and click Edit.

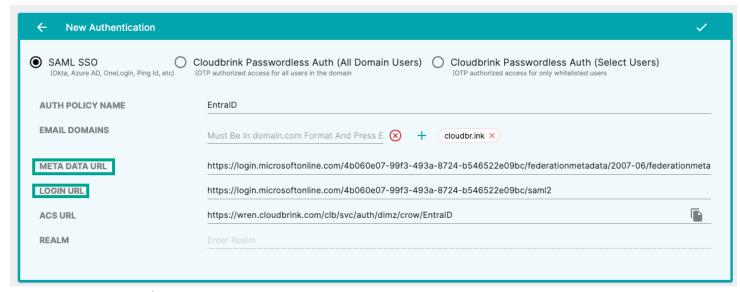




- 21. In the pane that appears to the right:
  - a. Click Import Certificate, and select the .PFX certificate file separately provided by Cloudbrink
  - b. While importing the file, enter in the password also separated by Cloudbrink
  - c. Ensure the certificate is set as Active
  - d. Change the Signing Option to Sign SAML response and assertion
  - e. Optionally, input a Notification Email Address to be notified of cert expiry reminders

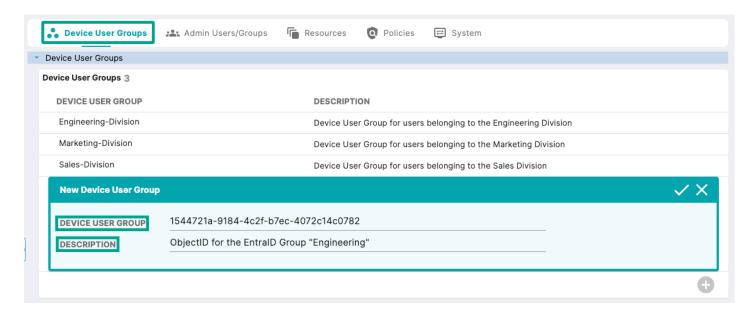


- 22. Navigate back to the Cloudbrink Admin Portal and to your Authentication Policy
- 23. Paste in the Metadata URL, and Login URL as copied to your notepad in steps 12 and 19. Then click the checkmark in the top right corner to save



- 24. Navigate to **Device User Groups**
- 25. For every group you desire to use with Cloudbrink for login, create a corresponding device user group the the Device User Group value being the EntralD Group Object ID





26. Create a new **Device User Group Policy**, and select the desired Resource Template. Optionally, select your desired DSPA Policy, Device Session Policy, and Mobile Access Policy



27. Users logging in to the Brink App with the configured group will then have the desired policies applied

## Support

We would love to hear from you! For any questions, concerns, or feedback regarding this feature, please reach out at <a href="mailto:support@cloudbrink.com">support@cloudbrink.com</a>

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