

Service Accounts

Spellbook v1.7.0 introduces a much requested feature : **Running jobs as service accounts**.

Why?

Before Spellbook v1.7.0, users could only create and run jobs under their own identity. This meant group owned jobs had to be owned and ran by one user only - this was definitely not optimal. For example, if a team member left the organization unexpectedly, every job assigned to his identity would start failing once his account is deactivated. Furthermore, transferring these jobs would require admin intervention.

With this new update, users will be able to create jobs under a **group** and assign the “run as” property to their team’s service account. This way, all of their group-owned analytics will run as their service account and not specific group members.

How?

Pre-requisites

A few things to do before following the step-by-step :

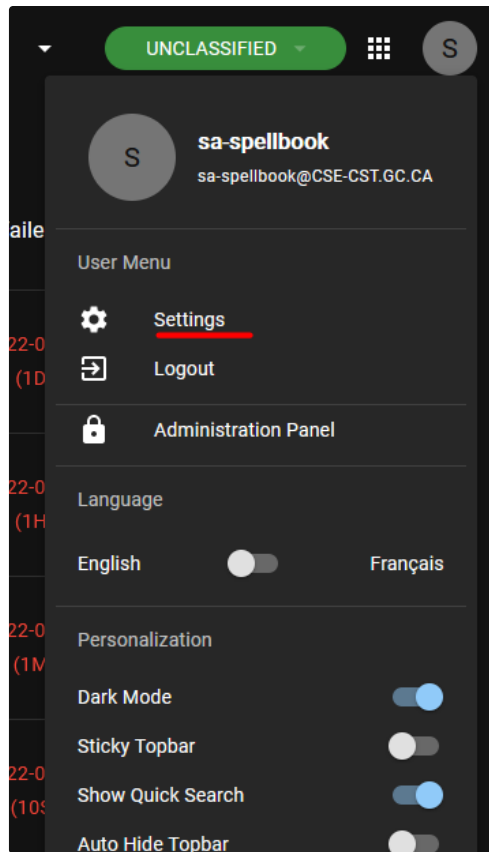
- Obtain a service account (an Active Directory non-entity user created for a team) - [IdAM's self-serve portal](#)
 - **Note:** If you expect to use Trino with this service account, please email IdAM to have the `email` property populated. We expect this to be automated in the near future.
- Add your service account to an Azure Directory group of your choice. (i.e. your team’s security group) - you can do so through the [Azure Active Directory portal](#).
- Request access based on the classification:
 - Unclassified (only) : Request access through the [Hogwarts support channel](#).
 - Unclassified and/or Protected B: You must request ALPR access for your service account. To do so, email alpr_help-dl@CSE-CST.GC.CA with your service account name and email.

Step-by-step

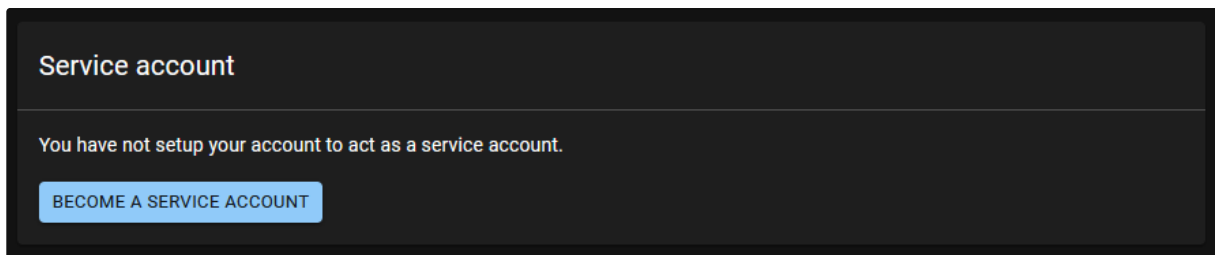
There is a 2 step process to create a job as a group and to run it as a service account.

Step 1 - Create the Spellbook service account

1. Login to Spellbook using your **service account**. *(we recommend logging in through an Incognito tab)*
2. Click your top right profile icon and select the “Settings” item from the User Menu

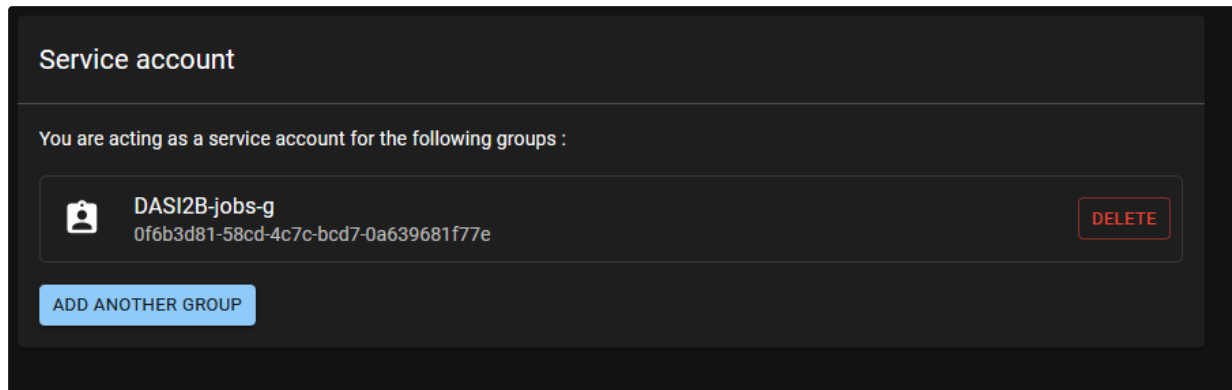


3. Find the "Service account" section and click "Become a Service account"



4. Select the Group you chose from the **Pre-requisites** section and click "Submit"

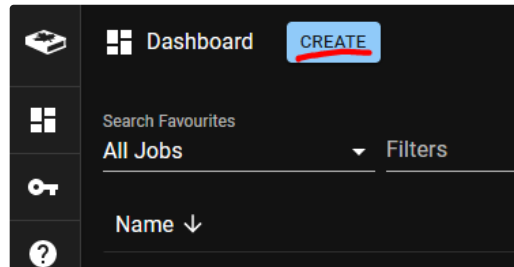
5. If successful, you should see the following :



Congratulations! Your account has now been linked to your group within Spellbook. It can now be used as a service account in the next step.

Step 2 - Use the service account to create a Job

1. Login to Spellbook using your **normal user account**
2. From the “dashboard” page (squares icon on the left menu), click the “Create” button in the top left



2. In the “Basic Details” section (first step of the Wizard), choose the Group you selected in **Step 1** in the “Create as...” field :

1 Basic Details — 2 DAG Template/Upload — 3 DAG Configuration — 4 Preview and Submit

Please provide some additional information about your DAG. Required fields are marked with an asterisk.

Name *

My first job ran by a service account

Create as...

Menard, Sebastien

Groups

- DASI2B
- DASI2B-jobs-g
- DASI2B-sg
- Default_CCCS_License_Set
- DTS-Lic-DockerDesktopForWindows-sg
- DTS-Lic-MobaXtermPro-sg
- DTS-Lic-VMwareWorkstationPRO-CCCS-sg
- External CCCS Users-DL
- GitHub-Unclassified-CCCS

NEXT CANCEL

3. A new field called “Run as” should appear. Select the service account’s name you created from **Step 1**.

1 Basic Details — 2 DAG Template/Upload — 3 DAG Configuration — 4 Preview and Submit

Please provide some additional information about your DAG. Required fields are marked with an asterisk.

Name *

My first job ran by a service account

Create as...

DASI2B-jobs-g

Run as

sa-spellbook

my_dag_id ✓

This key must match the DAG id in your file. It must also be unique, consist of only alphanumeric characters and symbols (_ . -), and should not exceed 250 characters.

4. Go through the rest of the Job wizard like usual and create your Job.

📘 Congratulations! Your new job is owned by your group and will be ran by your service account.


FAQ

Can I link my service account to multiple groups?

Yes, you can! Once a service account link exists, a button named “Add another group” will appear at the below the list of service accounts.

Service account

You are acting as a service account for the following groups :

	DASI2B-jobs-g 0f6b3d81-58cd-4c7c-bcd7-0a639681f77e	DELETE
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ADD ANOTHER GROUP

Click this button and select a group just like you did in **Step 1**. There are no limits to the number of service account links.