



# Reader Groups

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Learn how to use reader groups to segregate content.

## Where can you set reader groups?

You can specify reader group restrictions in:

- [Categories](#)
- [Articles](#)
- [Snippets](#)

You'll see the option to "Restrict to Groups" or "Restrict to Reader Groups" in the editor for each of these.

## How do reader groups work?

We're often asked if it's possible to have content for different readers in the same knowledge base. For example, maybe you have both internal support documentation as well as customer-facing product documentation in the same knowledge base. Or, you might have a knowledge base that contains categories for different departments or teams in your organization.

If you'd like to segregate content--or display different content to different readers--you can do this by using Reader Groups and the Restrict to Groups option in the content itself.

There are three basic steps in this process:

- [Create reader groups](#)
- Assign readers to those reader groups (set their **Reader Group Access** by [creating/editing an individual reader](#), [bulk-creating](#) new readers, or [bulk-editing](#) existing readers)
- [Restrict content to reader groups](#)

Let's say I have a category of documentation called KO Product Support, and that category is restricted to a reader group called KO support.

If I'm a member of KO support, I'll see this content in the table of contents, search, etc.

If I'm **not** a member of KO support:

- I won't see the KO Product Support category in the table of contents or on the homepage
- If I type to search, the typeahead search won't show me any of the articles in KO Product Support
- If I complete a full search, the search results won't show me any of the articles in KO Product Support
- If someone gives me the direct link to an article in KO Product Support, I'll only see a message that I don't have access to that content

In short, the content isn't something I can find or discover on my own, and even with a direct link, I can't access it.

### Can I set reader group restrictions for an entire category?

Yes! If you restrict a category to certain groups, all of that category's content (subcategories + articles) will automatically inherit the reader group restrictions you set. We call these **Inherited Reader Groups**. Any reader groups that an article or subcategory is inheriting are shown in the **Inherited Restrictions** section.

There's also an up arrow icon in the **Restrict Viewing to Reader Groups** list to identify inherited groups:

Inherited Reader Groups will have an up arrow in the Add More Restrictions section



#### Topic articles may require extra work

If you're using inherited reader groups and topic articles, you may need to specifically check the boxes in the **Add More Restrictions** section to have topic articles display in PDFs. Refer to [Reuse an article within another article](#) for more information.

### Can I override restrictions inherited from a category?

No. You can add additional groups in the **Add More Restrictions** section, but you can't remove any of the inherited reader groups.

If you do add a group in the **Add More Restrictions** section, a reader must belong to that group as well as the **Inherited Reader Groups**. Refer to the following section for more information on that behavior.

### If an article or category has multiple group restrictions selected, what happens?

The short answer is: it's a little complicated.

You might have multiple groups selected by having:

1. Multiple groups displayed in the **Inherited Reader Groups** section.
2. Multiple checkboxes selected in the **Restrict Viewing to Reader Groups** section.
3. One or more groups in the **Inherited Reader Groups** AND the **Add More Restrictions** section.

For the first two scenarios, the behavior depends on your knowledge base's **Reader group logic** settings.

To view and update this logic:

1. Go to **Security and access > Security settings**.

## 2. The Reader group logic is in the Reader options section.

Two Reader Group Logic options are supported: Inclusive and Exclusive.



### Use inclusive

Inclusive is the KnowledgeOwl default. We recommend using this setting.

- **Inclusive:** Readers can see content when they belong to at least one designated group (multiple groups are treated like an "or")
  - **Example:** An article is restricted to groups "Apples" and "Bananas".
    - Reader in Apples group only: sees the article
    - Reader in Bananas group only: sees the article
    - Reader in both Apples and Bananas group: sees the article
    - Reader in the Pineapples group: won't see the article
- **Exclusive:** Readers must belong to all designated groups (multiple groups are treated like an "and")
  - **Example:** An article is restricted to groups "Apples" and "Bananas".
    - Reader in Apples group only: won't see the article
    - Reader in Bananas group only: won't see the article
    - Reader in both Apples and Bananas group: sees the article
    - Reader in the Pineapples group: won't see the article

For the third scenario:

- Having one or more groups in the **Inherited Reader Groups** AND the **Add More Restrictions** section

The Inclusive/Exclusive logic still applies within each of those sections, but the sections are treated as a combination: a reader must belong to at least one of the **Inherited Reader Groups** AND one of the **Add More Restrictions** groups.

**Example:** An article has **Inherited Reader Groups** for the KO Authors Only group and has the Owlcademy MC Students group checked in the **Add More Restrictions** section:

- Reader in KO Authors Only group only: won't see article
- Reader in Owlcademy MC Students group only: won't see article
- Reader in both KO Authors Only and Owlcademy MC Students groups: sees the article
- Reader in KO Authors Only and Contractor groups: won't see the article


## Create a reader group

Reader groups allow you to show content only to members of the specified groups. They can be great for showing things to different customer types, internal vs. external readers, and more!

Authors must have either **Full Admin** privileges or **Admin access to readers** to create reader groups.

To create a reader group:

1. Go to **Account > Readers**. The **Readers** page opens to the **Readers** tab.
2. Open the **Groups** tab.
3. Select **+ Add Group**.



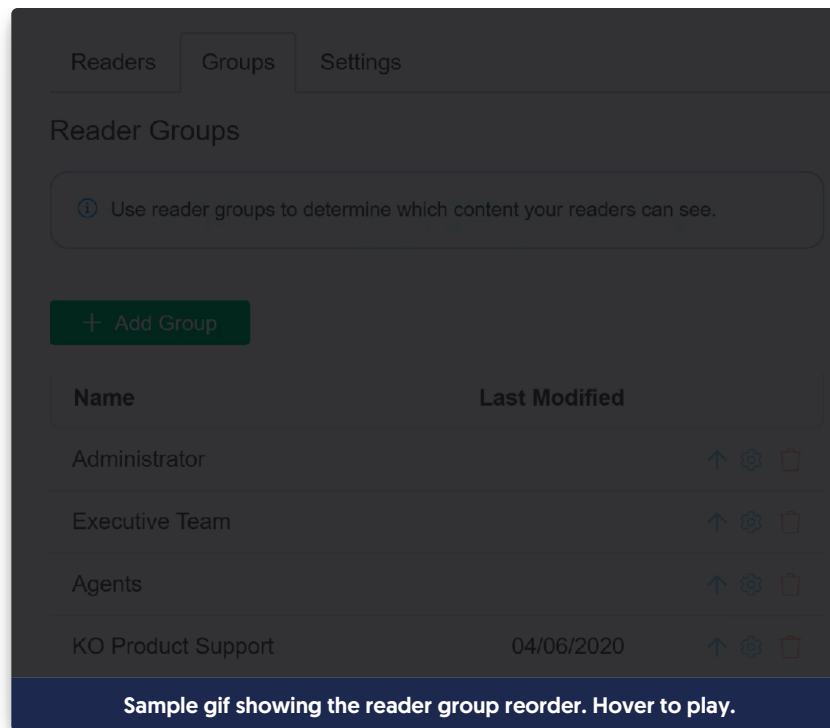
Open the **Groups** tab and select **+ Add Group** button

The **Create Reader Group** modal opens.

4. Enter the **Group Name** you'd like to use. This name will be displayed in the article and category editor.
5. The **KO only reader group** checkbox determines how to handle this reader group if you're using [Single Sign-On \(SSO\)](#):
  - a. if the box is **checked**, SSO can't control group membership. You'll need to manually add or remove readers from the group.
  - b. If the box is **unchecked**, SSO will control and override group membership. This means that even if you manually add or remove readers from the group, SSO will override your changes to match what it has stored for their groups.
  - c. If you aren't using SSO, the box doesn't really change anything, since you'd still be manually administering group membership!
6. Once you've finished your selections, select **Create Group** to finish creating the group.

Congratulations, your group is now created! You can assign [readers](#) to it (if SSO isn't doing so) and/or [restrict categories and articles](#) to your group(s)!

To change the order your reader groups are displayed in, use the arrows to the right of the group name:



## Restrict content to logged in readers

You can restrict some content so that it is only visible to specific readers. To do so, [create a reader group](#) or groups and then restrict the category or individual articles to that group.

Restrictions can be set:

- At the **category** level: restrictions set in the **Restrict Viewing to Reader Groups** section will automatically be inherited by all subcategories and articles in the category.
  - Groups inherited from a category are identified in the **Inherited Reader Groups** section of the editor.
  - By default, articles and subcategories are set to "Use Inherited Only" (they will only use the groups they've inherited from the category).
  - You can add additional groups to individual subcategories and articles by using the **Add More Restrictions** checkboxes within those pages.
- At the **article** level: if an article has no inherited restrictions: restrictions set in the **Restrict Viewing to Reader Groups** section apply only to the individual article and don't impact other articles or categories in any way.
  - If an article has inherited restrictions: by default it is set to "Use Inherited Only", but you may **Add More Restrictions** to require additional group membership to view the article. **Add More Restrictions** selections don't impact other articles or categories in any way.

### Restrict access based on Reader Groups

1. If you don't have your reader groups set up, [set them up by following these instructions](#).
2. Create a new category or article or edit an existing one.
3. If the category or article has **None** selected in the **Inherited Reader Groups** section of the editor, use the

checkboxes under **Restrict Viewing to Reader Groups** in the righthand column to set which groups can see this content.

4. If the category or article has groups listed in the **Inherited Reader Groups** section of the editor, use the checkboxes to **Add More Restrictions** to the the content. Readers will have to belong to at least one of these additional groups AND at least one of the inherited groups (possibly more, depending on your knowledge base logic; refer to [How do reader groups work?](#) for more info).
5. Be sure to **Save** your changes.

For more information on how reader group work and what happens when you restrict to multiple reader groups, see [How do reader groups work?](#)

## Test reader group access

Once you've set up reader groups, it's helpful to test what different reader groups will see.


You have two options to test:

1. Using the **View as** option in your author toolbar: Useful for testing general reader group access and behavior
2. Logging in as a specific reader: Useful for confirming a specific reader is getting the groups they should have

### View as option in author toolbar

As an author, you can simulate membership in different groups to test them. This is most useful for testing general reader group access and behavior:

1. From [app.knowledgeowl.com](https://app.knowledgeowl.com), select **View knowledge base** in the left navigation or the **View Article** or **View Category** links in the editor. This opens the knowledge base with the author toolbar displayed at the top of the page.
2. Select **View as** from the author toolbar.



Select View as from the author toolbar in the live knowledge base

The **View as** a reader modal opens.

3. Use the checkboxes to select the reader group(s) you'd like to simulate, then select **Update** to apply those changes.

You're now viewing the knowledge base as a member of the reader group(s) you selected. Use **View as** at any time to continue to switch between groups.

### Testing as an individual reader

Of course, you can also create or use an existing reader's account (or assign yourself to a specific reader group) to test reader group permissions. This can be most useful if you're testing to make sure an individual reader has been assigned the correct groups. This is most useful for testing to be sure you've assigned the correct reader groups to that individual reader.

In most cases, the fastest way to test is using a different browser or an Incognito or Private browser window, which won't keep any cookies you already have.

You can also test in the same browser by logging out and then logging back in as a specific reader.

If you don't have a logout link in your knowledge base:

1. Go to your knowledge base homepage. The URL should end in `/help` , `/home` , or `/docs` .
2. Append `/readerlogout` to the end of the URL. The URL should now end in `/help/readerlogout` , `/home/readerlogout` , or `/docs/readerlogout` .
3. Hit enter (or return) to go to this new URL.
4. Log in to your knowledge base as the reader you wish to test.

## Auto-assign groups by email rules

If you have [reader sign-ups enabled](#), by default, new reader signups aren't assigned any reader groups. You can create rules to automatically assign readers to groups based on their email domain.

A common use case is to assign all readers with internal email addresses to an internal reader group. For example, Linus likes having a rule that will assign all readers with a `knowledgeowl.com` email address to the **Support** reader group, which gives them access to all content restricted to our Support group.

If you're using reader signup, this can help guarantee that new readers get access to the content they need without a KnowledgeOwl admin having to manually review and assign them to the appropriate groups.



These rules currently apply to readers who have signed up for access to your knowledge base only. They do not apply to:

- Reader accounts that you or another KO admin manually creates in your **profile icon/name > Readers** (singly or in bulk)
- Readers who come through remote authentication or any of our SSO integrations. If you are using SSO, see [Auto-Assign Groups By Email Rules \(SSO Edition\)](#) for SSO-specific steps!

To set up Email Rules:

1. Click on your **profile icon/name** in the upper right.
2. Select **Readers** from the dropdown to access the Readers area of your account.
3. Open the **Groups** tab.

4. Select the + Add Rule button.

The screenshot shows the 'Readers > Groups' interface. On the left, under 'Reader Groups', there is a '+ Add Group' button and a table with one entry: 'KO Product Support' with a 'Last Modified' date of '04/06/2020'. On the right, under 'Auto-Assigned Groups By Email Rules', there is a '+ Add Rule' button, which is highlighted by a blue arrow. Below the '+ Add Rule' button, there is a table with the header 'Name' and one entry: 'No rules found'. At the bottom of the interface, there is a dark blue banner with the text 'Click the + Add Rule button'.

5. This will open the Auto-Assign Groups By Email Rule pop-up. To set up your rule, include:

The screenshot shows the 'Auto-Assign Groups By Email Rule' pop-up form. The form has a title bar with a close button. Below the title bar, there are three main sections: 'Rule Name', 'Email Domain', and 'Assign to Groups'. The 'Rule Name' section has a text input field labeled 'a' with the placeholder text 'Name of Rule'. The 'Email Domain' section has a text input field labeled 'b' with the placeholder text '@ gmail.com'. The 'Assign to Groups' section has three checkboxes labeled 'c': 'Success', 'Production', and 'Support'. At the bottom right of the form, there are two buttons: 'Cancel' and 'Save Rule'. At the bottom of the pop-up, there is a dark blue banner with the text 'The Auto-Assign Groups by Email Rule pop-up'.

- a. A **Rule Name**. This name will appear in the Auto-Assign Groups by Email Rules in **Readers > Groups**, so it should help describe the rule.
- b. The **Email Domain** the rule applies to: all readers with this email domain will have this rule applied. It must be an entire domain (such as @knowledgeowl.com, @gmail.com, @yourcompany.com, etc.).
- c. Use the **Assign to Groups** checkboxes to select the Reader Group(s) that people with that email domain should be assigned to. This list depends on the **Reader Groups** you've set up in your knowledge base.

6. Click **Save Rule** to save your changes. Here, we create a rule that will assign all readers with an @knowledgeowl.com email address to the Support group:



Auto-Assign Groups By Email Rule

Rule Name

KnowledgeOwl support

Email Domain

@ knowledgeowl.com

Assign to Groups

☐ Success
☐ Production
☒ Support

Cancel

Save Rule

Sample rule which will assign all readers with an @knowledgeowl.com email address to the Support group

7. Your rule will now appear in the Auto-Assign Groups by Email Rules section of **Readers > Groups** and will be applied to all reader signups from here on out. You can edit it (gear icon) or delete it (trashcan icon) using the icons to the right of the rule.

Readers Groups

Use reader groups to determine which content your readers can see.

+ Add Group

Name	Last Modified	
Success	06/14/2023	⬆ ⚙️ 🗑️
Production	01/03/2019	⬆ ⚙️ 🗑️
Support	09/19/2019	⬆ ⚙️ 🗑️

Auto-Assign Groups By Email Rules

For usage instructions please refer to the [documentation](#). Using SSO? Use [Custom Attribute Map Rules](#) instead.

+ Add Rule

Name	
KnowledgeOwl support	⚙️ 🗑️

Sample rule added to Auto-Assign Groups By Email Rules

By default, rules will only be applied when a new reader first signs up.



To run the rules on subsequent logins and allow rules to affect existing readers, choose "Override reader groups based on rule logic on each login" under **Readers > Settings**. (Note that changing this setting, though, will override any manually-assigned reader groups for readers in the rule domains, though. We don't recommend using this setting if you're using auto-assigned rules in conjunction with manually-assigned groups!)

## Checking if an article or category is restricted to reader groups

For both articles and categories, check two sections of the editor to see if the content is restricted to any reader groups:

1. **Restrict Viewing to Reader Groups:** These checkboxes are for group restrictions assigned to the particular category or article you're looking at in the editor when no Inherited Restrictions are present.

- Checking or unchecking these boxes will immediately change which groups can see this content.

Sample Restrict to Groups section with no Inherited restrictions. This article is restricted to members of the Success group

2. **Inherited Restrictions:** When an entire category or subcategory is restricted to groups, those reader group restrictions are "inherited" by the content in that category. Any groups listed in the **Inherited Restrictions** section are being inherited by one or more parent categories. You'll need to check each parent category above the current content to see where those groups are being set.

- Inherited group restrictions must be changed in the parent category where they are set. They cannot be changed in individual articles.

Inherited Restrictions cannot be removed from this content; look at the parent categories to adjust these groups!

3. **Add More Restrictions:** If an article or category has **Inherited Restrictions**, the section below is called **Add More Restrictions**. It will default to **Use Inherited Only**. Additional groups checked here mean that a reader must be a member of at least one of these groups in addition to the **Inherited Restrictions** groups.

- Inherited groups will also have an up arrow icon next to them in the **Add More Restrictions** section. Unchecking a box next to an inherited group restriction won't remove the inherited restriction.

For articles, you can also see both of these fields in the [Manage Articles CSV export](#), in the **Permissions** section: **Restrict to Groups** and **Inherited Group Restrictions**.

## Display different logos for different reader groups

Some knowledge bases use different [Reader Groups](#) to show different content to different readers.

On occasion, we've been asked if it's possible to show a different logo in the upper left depending on reader group membership. The short answer is: yes.

The longer answer is: you'll need to use a script to do this.

To do so:

1. In the left navigation, select **Files**.
2. Upload all the logos you want to use here, using **+ Add Files**. Refer to [Add files in bulk](#) for more detailed instructions.

3. Once you've uploaded your logos, copy the URL for each logo and add it to a text editor--you'll need it later. Refer to [Find a file's URL](#) for more complete steps.
4. In the left navigation, go to **Customize > Style (HTML & CSS)**.
5. In the **Customize HTML, CSS, and JS** section, select **Custom HTML**.
6. In the **Select HTML section to edit** dropdown, select **Body**.
7. Copy the code below and paste it into the bottom of the Body editor. Here, we use three groups, but you can use as few as two and as many as you'd like:

```
<script>
//Show different logos depending on which reader group a reader belongs to
$(function(){
  //Get which groups current reader belongs to
  var groups = '[reader("groups")]';

  //Switch logo for Group1 where "Group1" is the exact name of the reader group. Update to your group name.
  if(groups.indexOf("Group1") >= 0)
  {
    //Specify the image URL for Group1 and switch
    var src = "//dyzz9obi78pm5.cloudfront.net/app/image/id/{yourimageid}/n/{yourimagename.png}";
    $('.navbar-brand img').attr("src", src);
  }

  //Switch logo for Group2 where "Group2" is the exact name of the reader group. Update to your group name.
  if(groups.indexOf("Group2") >= 0)
  {
    //Specify the image URL for Group2 and switch
    var src = "//dyzz9obi78pm5.cloudfront.net/app/image/id/{yourimageid}/n/{yourimagename.png}";
    $('.navbar-brand img').attr("src", src);
  }

  //Switch logo for Group3 where "Group3" is the exact name of the reader group. Update to your group name.
  if(groups.indexOf("Group3") >= 0)
  {
    //Specify the image URL for Group3 and switch
    var src = "//dyzz9obi78pm5.cloudfront.net/app/image/id/{yourimageid}/n/{yourimagename.png}";
    $('.navbar-brand img').attr("src", src);
  }

});
</script>
```

8. In row 8, replace `"Group1"` with the exact name of your first reader group as it appears in **Account > Readers > Groups**. Keep the group name in quotes. So, for example, if our group name is Enterprise Customers, we'd use `"Enterprise Customers"`.
9. In row 11, replace the URL listed in "quotes" with the icon file URL for the icon you want displayed to this group you copied in step 3.

10. In row 16, replace `"Group2"` with the exact name of your second reader group as it appears in **Account > Readers > Groups**. Keep the group name in quotes.
11. In row 19, replace the URL listed in "quotes" with the icon file URL for the icon you want displayed to this group you copied in step 3.
12. If you're not using a third group, delete rows 22-29.
13. If you're using a third group, in row 24, replace `"Group3"` with the exact name of your second reader group as it appears in **Account > Readers > Groups** and replace the file URL in row 27.
14. If you're using more than three groups, copy rows 22-29 and paste them to add additional groups. Just be sure you update the group name and file URL for each.
15. Once you're done, be sure to **Save** your changes.

For example, here we have two groups called "Support" and "Production":

```
<script>
//Show different logos depending on which reader group a reader belongs to
$(function(){
  //Get which groups current reader belongs to
  var groups = '[reader("groups")]';

  //Switch logo for Group1 where "Group1" is the exact name of the reader group. Update to your group name.
  if(groups.indexOf("Support") >= 0)
  {
    //Specify the image URL for Group1 and switch
    var src = "//dyzz9obi78pm5.cloudfront.net/app/image/id/6584bcb73f0dc5660063732a/n/newsletter-10.svg";
    $('.navbar-brand img').attr("src", src);
  }

  //Switch logo for Group2 where "Group2" is the exact name of the reader group. Update to your group name.
  if(groups.indexOf("Production") >= 0)
  {
    //Specify the image URL for Group2 and switch
    var src = "//dyzz9obi78pm5.cloudfront.net/app/image/id/63eae5290c73bd71f6358b15/n/valentines-linus.svg";
    $('.navbar-brand img').attr("src", src);
  }

});
</script>
```

To test the script:

1. Select **View knowledge base** in the left navigation.
2. Use the **View as header** option to toggle between reader groups. Refer to [Test reader group access](#) for more detailed instructions.

## Delete a reader group

Authors with **Full Admin** access can delete reader groups.

When you delete a reader group, that group will be removed from:

- All readers who were assigned to it.
- Any authors who were explicitly assigned to it.
- Any content that had been restricted to it (in either **Inherited Reader Groups** or in **Restrict Viewing to Reader Groups**).



**Look before you leap**

Deleted reader group restrictions and assignments are **NOT RECOVERABLE** by our support team, so please be absolutely sure you're ready to delete a group!

To delete a group:

1. Go to **Account > Readers**. The **Readers** page opens to the **Readers** tab.
2. Open the **Groups** tab.
3. In the **Reader Groups** list, select the trashcan icon to the right of the group you want to delete. The **Reader Group Delete** modal opens.
4. Verify that the group name listed in the modal is the group you wish to delete. (Incorrectly deleted groups and all their restrictions/members **CANNOT** be recovered.)
5. If the group name matches the group you wish to delete, select **OK** to complete the deletion. The group will disappear immediately from all Reader Group lists, and background processes will run to remove it from any readers, authors, or content where it was used.