Cheat sheet: Browse and collaborate on KNIME Business Hub

Open for Innovation KNIME

KNIME Business Hub

The **KNIME Business Hub** offers a single environment for all data workers in an organization to collaborate on and deploy data science solutions. Users with all levels of experience and from diverse disciplines can browse, share and learn from workflows shared in spaces. While beginner users get a fast start, experienced users can package and share their expertise for reuse across the organization.

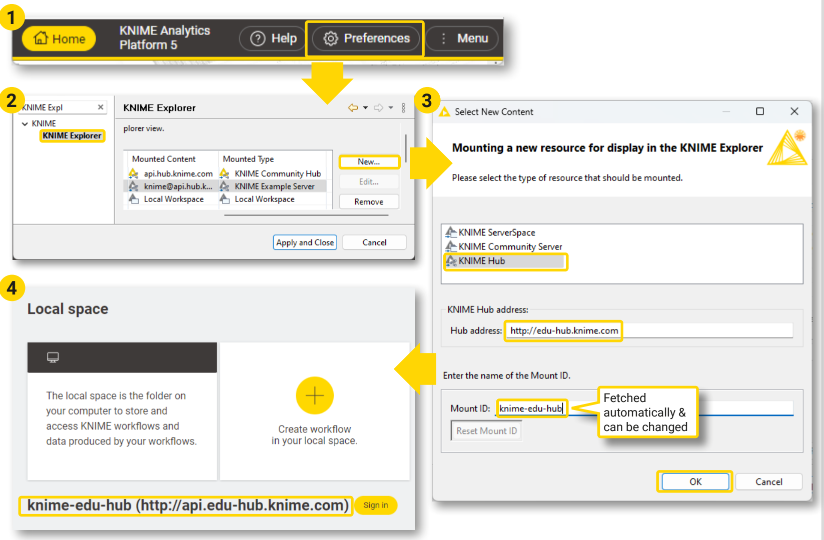
On KNIME Business Hub:
- A **team** is a group of users who collaborate on projects. A team owns specific resources, such as spaces and their content, execution resources, and deployments, and can be created by a global admin. A user can be a member of more than one team.
- A **space** is a repository containing workflows, components, and files:
  - **Public** space items are visible and can be downloaded by everyone,
  - **Private** space items are only visible to selected team members.

Connect

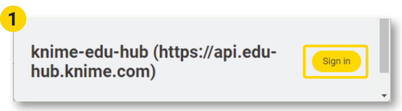
Connect to KNIME Business Hub

From a web browser
1. In any web browser, provide the KNIME Business Hub URL,
2. Provide the credentials,
3. Click the "Sign in" button.

From KNIME Analytics Platform
To set up the connection for the first time:
1. Click "Preferences" button,
2. In the new window, select "KNIME" and "KNIME Explorer", and click on button "New",
3. In the new window:
   - Select "KNIME Hub",
   - Provide the KNIME Business Hub URL,
   - Mount ID is fetched automatically but can be customized,
   - Click the "OK" and the "Apply and Close" buttons.
4. The mount point for the selected KNIME Business Hub instance appears on the home page of the KNIME Analytics Platform.



To sign in:
1. Select the mount point of the KNIME Business Hub instance on the KNIME Analytics Platform home page and click "Sign in",
2. On the new web page, insert the credentials and click the "Sign in" button.

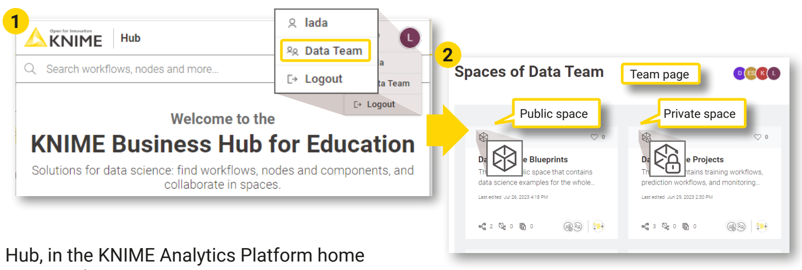


Tip: The button "Connect to Hub" is also available in the Local space view and Space Explorer.

Access teams and spaces

To open a team page:

From a web browser
1. On the KNIME Business Hub home page, click on the profile icon,
2. In the opened menu, select the team,
3. The team page showing all the team owned spaces opens.



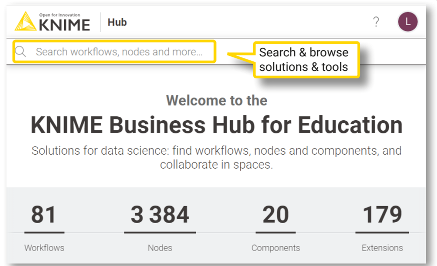
From KNIME Analytics Platform
Once signed in to the KNIME Business Hub, in the KNIME Analytics Platform home page, you'll see all the teams you're a member of and these teams owned spaces.

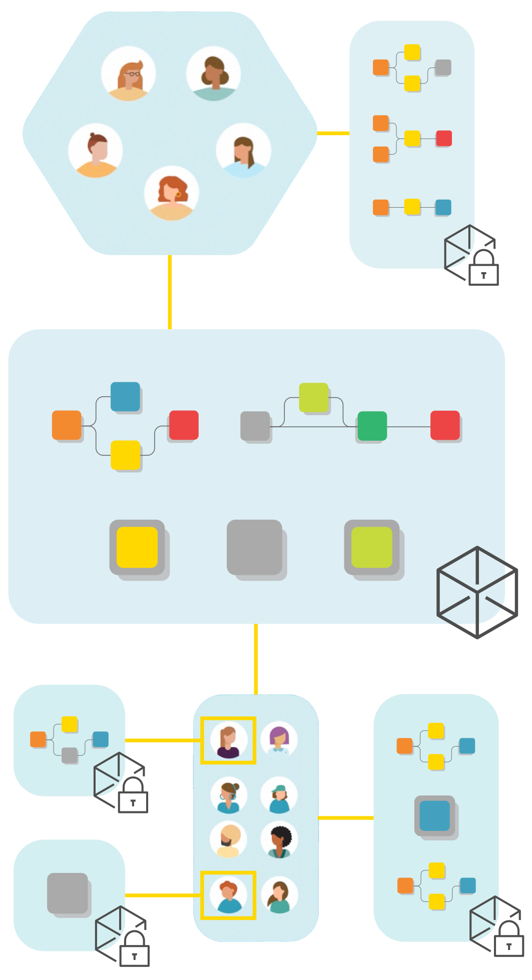
Upskill

Search and download

As a non-team member, you can browse through solutions, blueprints, and tools, such as workflows, nodes, and components, available in the public spaces.

From a web browser
1. On the KNIME Business Hub home page, provide the search terms in the search bar,
2. Select an item of interest,
3. On the opened item page, you can explore and download or drag and drop the item.

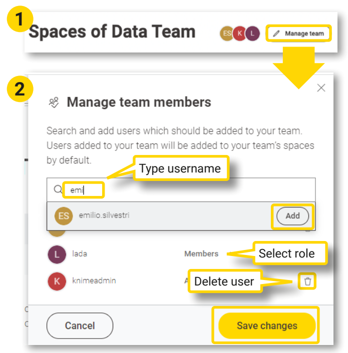




Administer

Manage team members

From a web browser
1. On the team page, click the "Manage team" button,
2. In the "Manage team members" menu:
   - To add a new user, provide a username and click the "Add" button,
   - To assign permissions, select a role from the menu (Member or Admin),
   - To delete a member, click the bin icon,
   - To save, click the "Save changes" button.



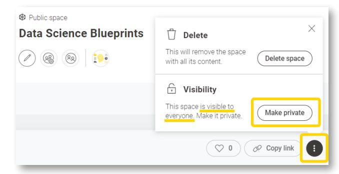
Note. Only a team admin and a global admin can manage team members.

Set space permissions

To change the visibility of the space from private to public and vice-versa:

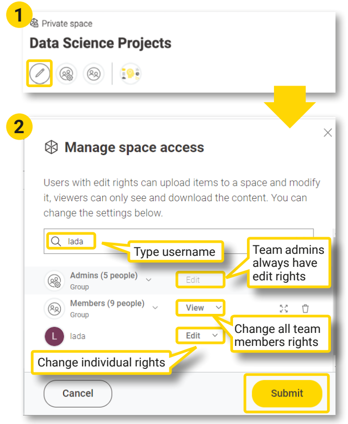
From a web browser
1. On the space page, click the three vertical dots,
2. Click "Make public" or "Make private".

Note. Only a team admin and a global admin can change the space visibility.



You can manage space access for team members as a group or individually for each team member. By default, all team members have Edit rights. To manage space access:

From a web browser
1. On the space page, click the pencil icon,
2. In the "Manage space access" menu:
   - To manage access for the whole Members group, next to the Members group:
     - Select the rights type (View or Edit),
     - Delete using the bin icon.
   - To manage access individually:
     - Click the "Expand" button next to the Members group and change the access for each user individually,
     - Or delete the Members group, add users individually, and change access only for the added users.
   - To save, click the "Submit" button.



Manage secrets

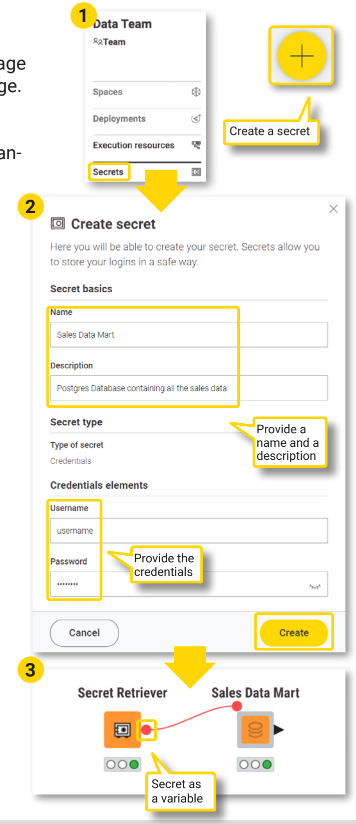
Secrets are the logins to other systems centrally stored on KNIME Business Hub.

- User secrets are personal user logins. You can manage them from your profile page.
- Team secrets are logins shared within a team. You can manage them from the team page.

From a web browser
To manage team secrets,
1. On the team page, select "Secrets",
2. To create a new secret, click the plus button,
3. In the menu "Create secret":
   - Provide a name and a description,
   - Enter the credentials,
   - Click "Create".
4. To edit a secret, click the three dots menu and select "Edit".

From KNIME Analytics Platform
To consume a secret,
1. Retrieve the secret as a flow variable with the Secret Retriever node,
2. Use the retrieved flow variable to authenticate.

Note. Team secrets can only be created by a team admin.

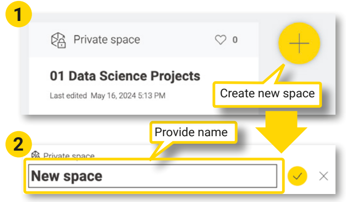


Collaborate

Create a new space

From a web browser
1. On the team page, select "Spaces",
2. Click the plus "Create new space" button,
3. On the new page:
   - Provide a space name and description,
   - Click the "Save" button.

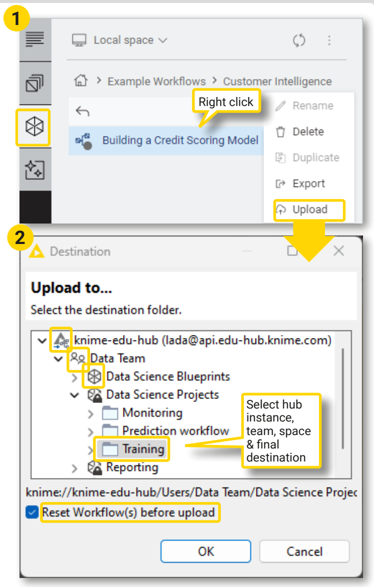
Note. By default, all the new spaces are private.



Upload workflows

From KNIME Analytics Platform
1. In the Space Explorer, right click on the workflow or the folder,
2. In the context menu, select "Upload",
3. In the new window:
   - Select the mount point, the team, the space, and the final destination,
   - For a lighter upload, enable the flag "Reset Workflow(s) before upload".

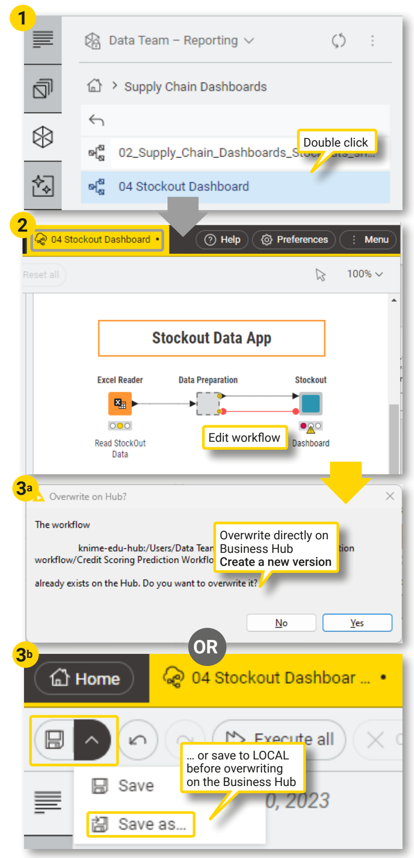
Note. You can also upload a workflow captured with integrated deployment nodes directly to the KNIME Business Hub using the "Space Connector" and the "Workflow Writer" nodes.



Edit a workflow

To inspect or edit a workflow stored on KNIME Business Hub:

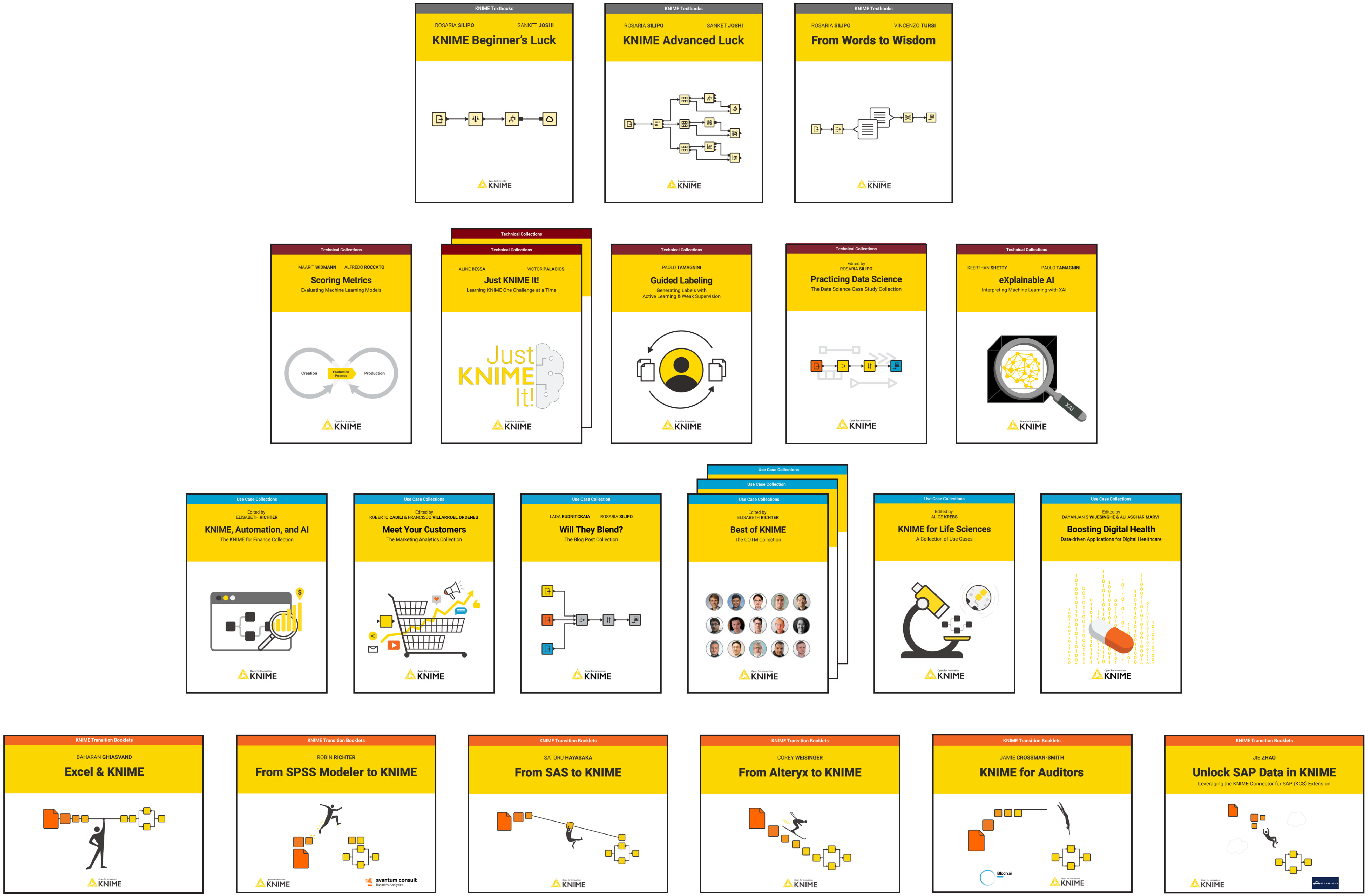
From KNIME Analytics Platform
1. Double click on the workflow in the Space Explorer,
2. Edit the workflow,
3. To save the workflow:
   - Click CTRL+S to overwrite the workflow directly on the KNIME Business Hub. Warning: create a new version right away to avoid accidental overwriting by other team members.
   - OR click the "Save as" button and save to the local workspace before uploading to the KNIME Business Hub.



Resources

- **KNIME Business Hub:** To learn more about KNIME Business Hub, check *knime.com/knime-business-hub*.
- **KNIME Press:** Access various data science books and other cheat sheets at **knime.com/knimepress**, including beginner and advanced topics.
- **KNIME blog:** Engaging topics, challenges, industry news, & knowledge nuggets at *knime.com/blog*.
- **Self-paced courses:** Take our free online self-paced courses to learn about data analysis, data engineering, or data science with KNIME (with hands-on exercises) at *knime.com/learning*.
- **KNIME Community Hub:** Store, version, automate, and collaborate on private workflows, or explore and share public workflows with the KNIME Community at *hub.knime.com*.
- **KNIME Forum:** Join our global community & engage in conversations at *forum.knime.com*.

Extend your KNIME knowledge with our collection of books from KNIME Press. For beginner and advanced users, through to those interested in specialty topics such as topic detection, data blending, and classic solutions to common use cases using KNIME Analytics Platform - there's something for everyone. Available for download at www.knime.com/knimepress.



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