



Kibana Workshop

Lab 6 - Spaces and Security

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Requirements

In this lab you need to satisfy the following business requirements:

1. Marketing requests to have a dedicated space:
 - a. having a copy of "Sample eCommerce orders" data and dashboards
 - b. You need to ensure that only Marketing people (assigned to Marketing rule) have access to it.
 - c. Create marketing account for Bob (see table)
2. SysOps request to have as well a dedicated space:
 - a. having a copy of "Sample web logs" data and dashboards
 - b. You need to ensure that only Marketing people (assigned to Marketing rule) have access to it.
 - c. Create SysOp account for Alice (see table)

User	Role	Space	Dashboard
Bob	Marketing_ALL	Marketing	eCommerce
Alice	SystemOperations_ALL	SysOps	Web logs

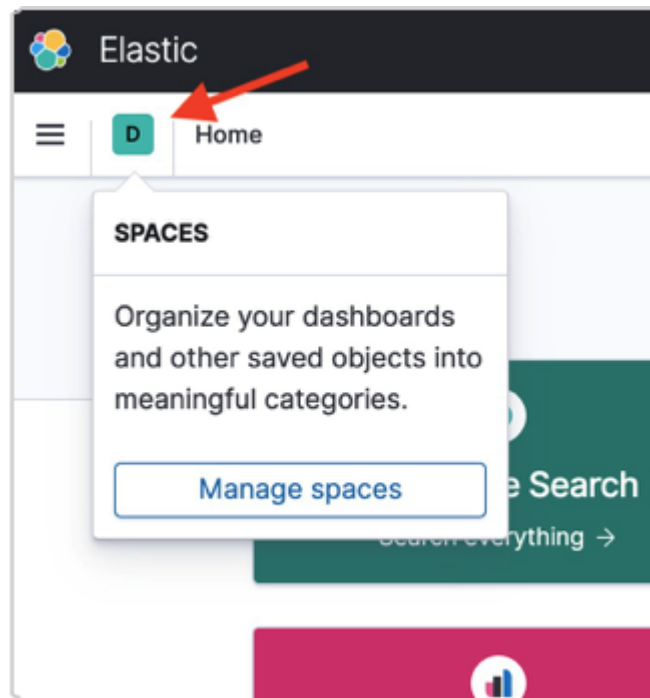
Kibana has two features that can help you configure who is able to access your dashboards:

- **Spaces:** grouping dashboards into separate "workspaces".
- **Role-based access control:** the ability to define roles and users. A user can access certain resources, depending on their roles.

Creating spaces

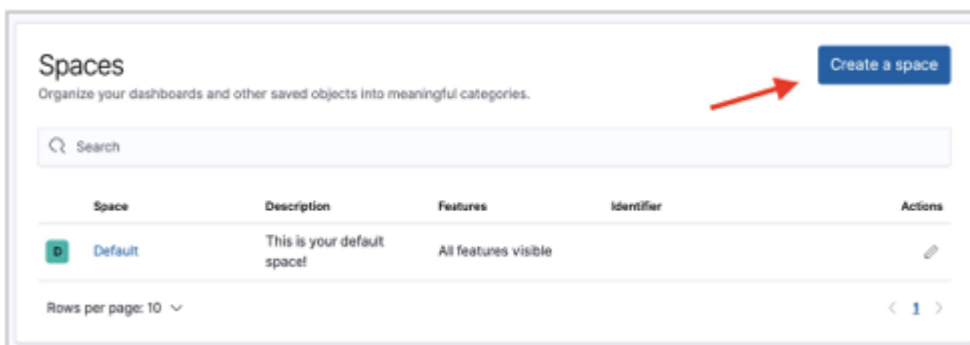
Creating the first space

1. In the top left, click on the "D" next to the main menu button, and next on the "Manage spaces" button.




This brings you to an overview of all the spaces that have been defined. You should only see the "Default" space.

2. Click on the "Create a space" button:




3. Give your space the name "Marketing". Optionally, you can add a description and customize the avatar in the section "Create an avatar"

Create an avatar
Choose how your space avatar appears across Kibana.



Avatar type
Initials **Image**

Initials
M
Enter up to two characters.






Background color
 #DA8B45

4. Click on the "Create space" button. You should see the following result:

Spaces
Organize your dashboards and other saved objects into meaningful categories.

[Create a space](#)

Search



Space	Description	Features	Identifier	Actions
 Default	This is your default space!	All features visible		
 Marketing	Space for Marketing	All features visible	marketing	 

Rows per page: 10

5. Click on the "D" in the top left again. You should see two spaces: "Default" and "Marketing". Click on "Marketing" to switch to that space.

Stack Management / Spaces



CHANGE CURRENT SPACE

-  Default
-  Marketing

[Manage spaces](#)

Spaces
Organize your dashboards and other saved objects into meaningful categories.

Search

Space	Description	Features	Identifier
 Default	This is your default space!	All features visible	
 Marketing	Space for Marketing	All features visible	marketing

Rows per page: 10

6. Select "Dashboard" from the main menu.

Notice that this does not bring you to an overview of the existing dashboards. That's because those dashboards exist in the "Default" space instead of this space.

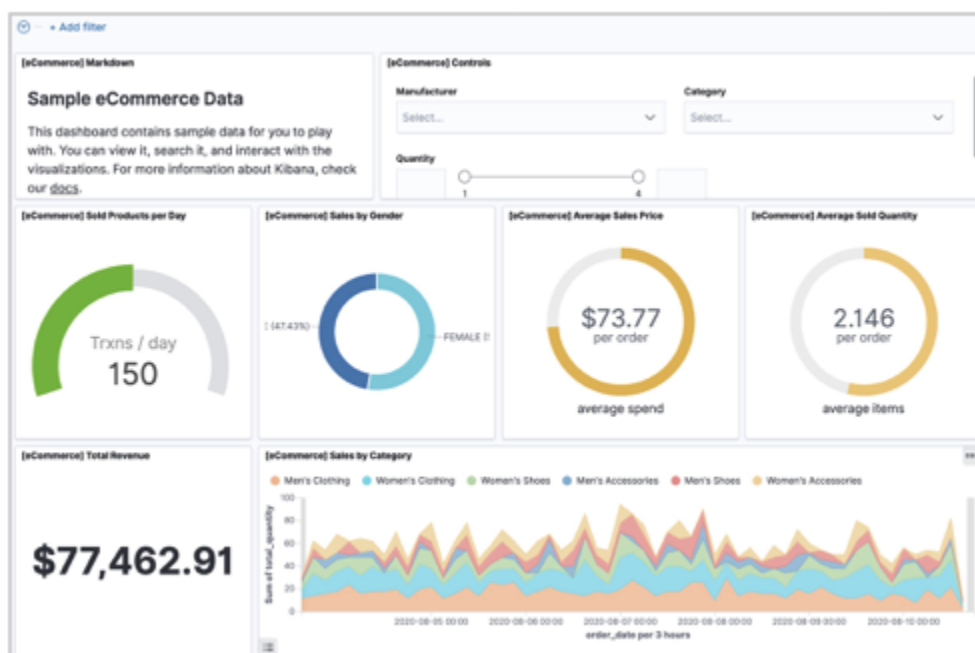
7. Click on the Elastic logo in the top left. This brings you to the Kibana home.

8. Click "Try sample data" in the "Get started by adding integrations" section.

9. Click on the "Sample data" tab.

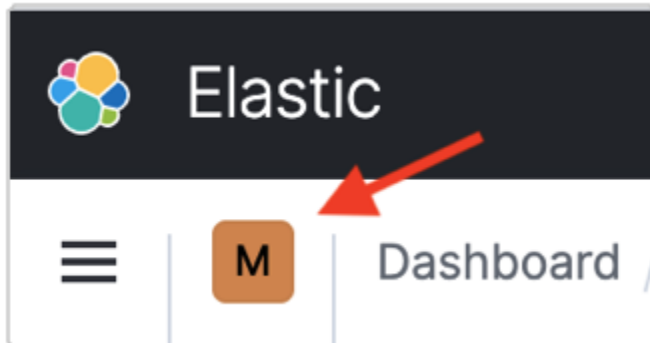
10. Click on "Add data" under "Sample eCommerce orders".

11. From the main menu, select "Dashboard" again. You should now see the sample dashboard that you have just added. Click on it to access it:



Creating the second space

1. Click on the space selector in the top left again. It should be the letter "M" now:



2. Click "Manage spaces".

3. Click the "Create a space" button in the top right.

4. Name the space "SysOps", and optionally add a description and optionally customize the avatar.

You should now see 3 spaces: **the Default one (from installation)** the one for the Marketing group ** one for the SysOps group.

5. Using the space selector in the top left, switch to the new "SysOps" space.

6. Add a sample data set, but this time choose "Sample web logs".

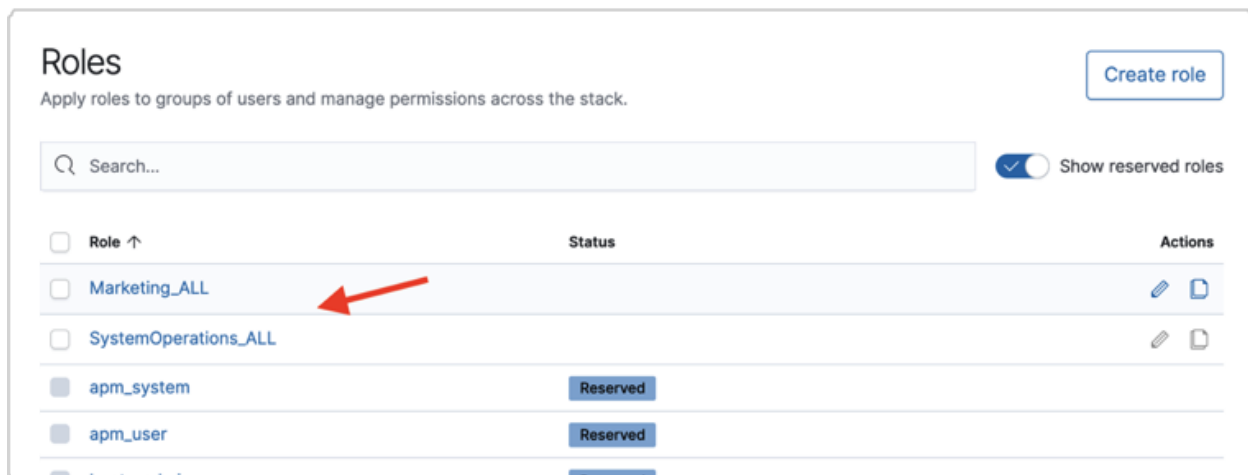
7. After the data has been loaded, click on "View data", and next "Dashboard" to go to the web log sample dashboard.

At this point you have created two different spaces. Each has a different dashboard. First, a "Marketing" space, with the "[eCommerce] Revenue Dashboard". You should also have a "SysOps" space with the "[Logs] Web Traffic" dashboard.

Creating roles

You will now create two roles. Each of these roles will provide access to one of the spaces you have just created.

1. From the main menu, select "Stack Management" (under "Management").
2. Select "Roles" (under "Security").
3. Click on the "Create role" button in the top right.
4. Enter Marketing_ALL for the role name.
5. Near the bottom of the page, click on the "Add Kibana privilege" button.
6. Under "Spaces", select "Marketing" and under "Privileges for all features" select "All".
7. Click the "Add Kibana privilege" button.
8. Click the "Create role" button.
9. Repeat the same steps to create a role called "SystemOperations_ALL".
Assign the SysOps space to the role.

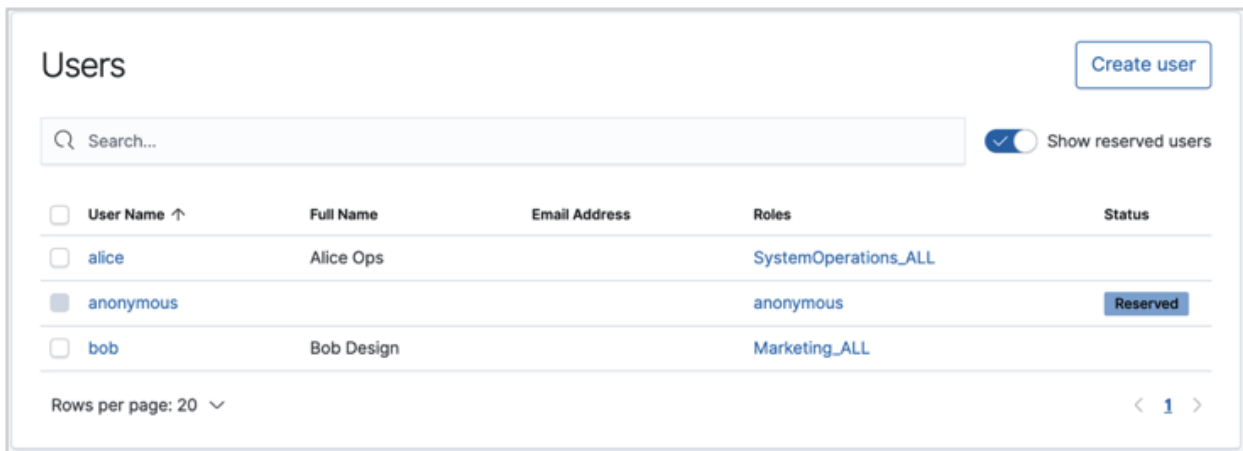


You should see your two new roles in the overview:

Creating users

Now you are going to create two users and give them the 2 different roles you have just created.

1. On the left hand side, select "Users" (under "Security").
2. Click on the "Create user" button in the top right.
3. Enter the following data:
 - Username bob
 - Choose a password - and remember it. You will need it later.
 - Full name Bob Design
 - Roles Marketing_ALL
4. Repeat the same steps to create a second user called "Alice Ops". Assign her the role "SystemOperations_ALL" that you created before. Afterwards you should be able to see your two users in the overview:



<input type="checkbox"/> User Name ↑	Full Name	Email Address	Roles	Status
<input type="checkbox"/> alice	Alice Ops		SystemOperations_ALL	
<input checked="" type="checkbox"/> anonymous			anonymous	Reserved
<input type="checkbox"/> bob	Bob Design		Marketing_ALL	

Rows per page: 20 ▾

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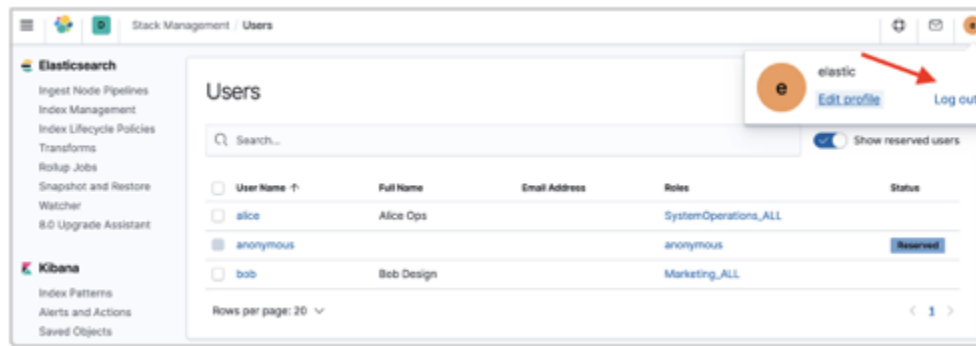
Test each user

The table below shows the links between the different users, roles, spaces and dashboards.

By logging with Bob or Alice you should be directly assigned to the correct space. That space contains the dashboards shown in this table:

User	Role	Space	Dashboard
Bob	Marketing_ALL	Marketing	eCommerce
Alice	SystemOperations_ALL	SysOps	Web logs

1. Click on the letter in the circle in the top right and next click on "Log out".



2. Select "Log in with Elasticsearch".

3. Log in with username bob and the password you chose earlier.

4. As indicated by the "M" in the top left, you are now logged in to the "Marketing" space, as Bob has the "Marketing_ALL" role.

5. Select "Dashboard" from the Kibana navigation menu. You should only see the eCommerce dashboard.

6. Log out and log on with username alice. You should be logged in to the SysOps space directly (as indicated by the "S" in the top left).

7. Select "Dashboard" from the Kibana navigation menu. You should now only see the Logs dashboard.