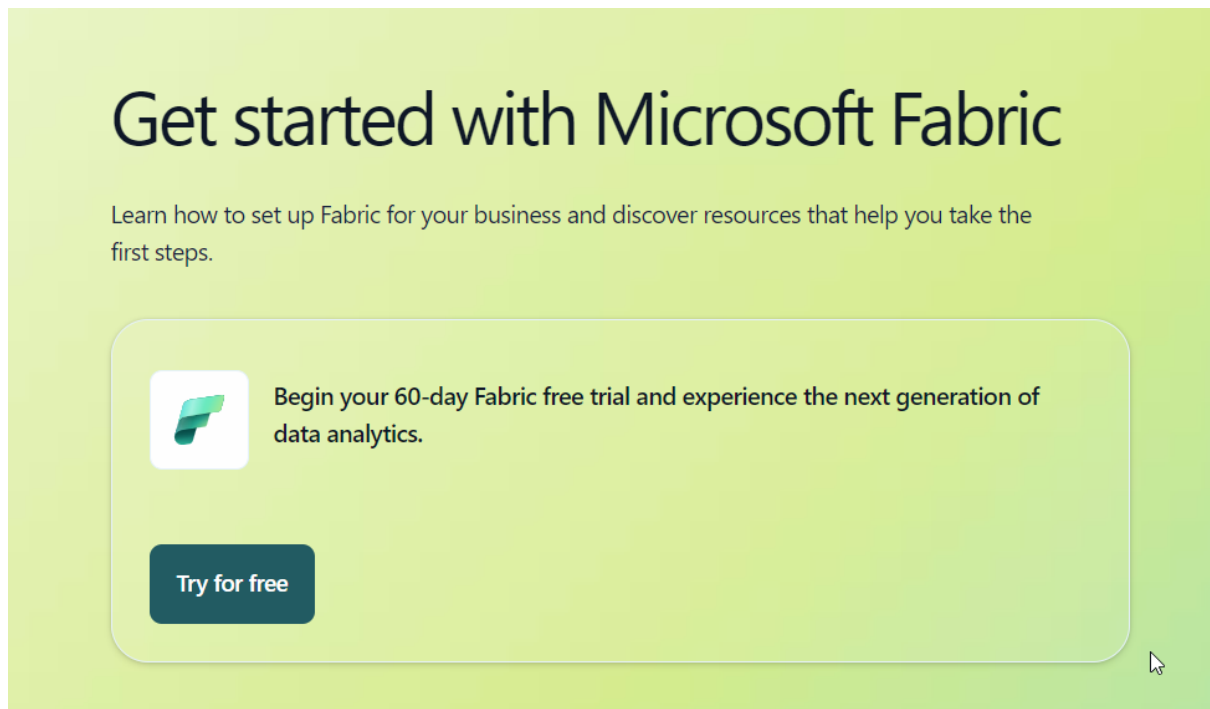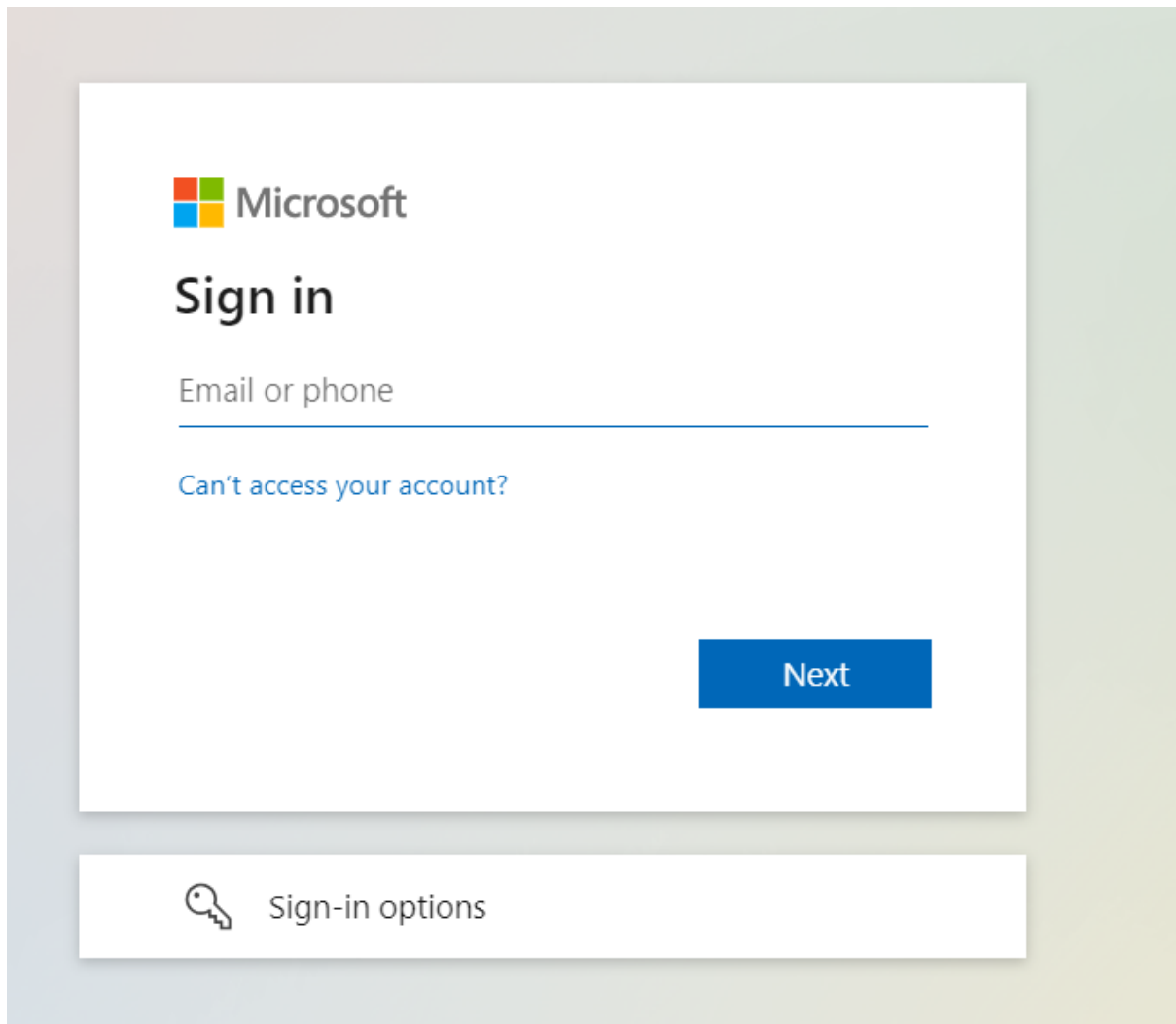Lab 01 - Setting up Environment

Objectives:

- In this lab we will learn to enable Microsoft Fabric trail.

- We will navigate through Admin Portal and will check the admin capacity.

Task 1 - Enabling the Fabric Trial License

1. Open a browser and paste the Fabric Trial Page - https://www.microsoft.com/en-us/microsoft-fabric/getting-started URL

2. Click on the option that says **Try for Free.**

Get started with Microsoft Fabric

Learn how to set up Fabric for your business and discover resources that help you take the first steps.

Begin your 60-day Fabric free trial and experience the next generation of data analytics.
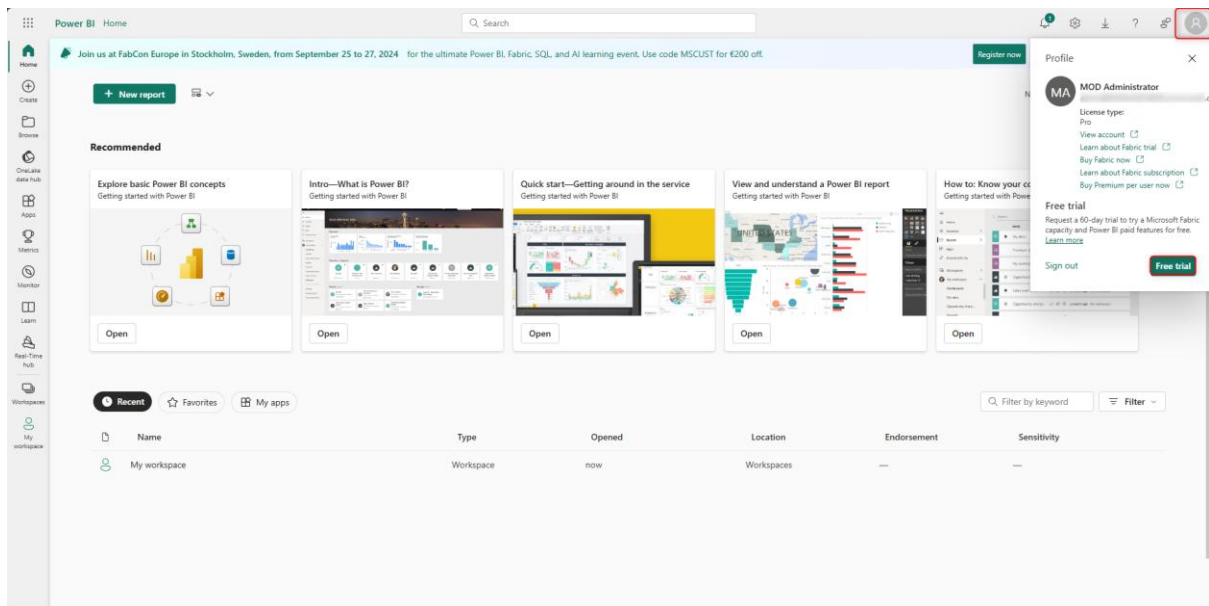
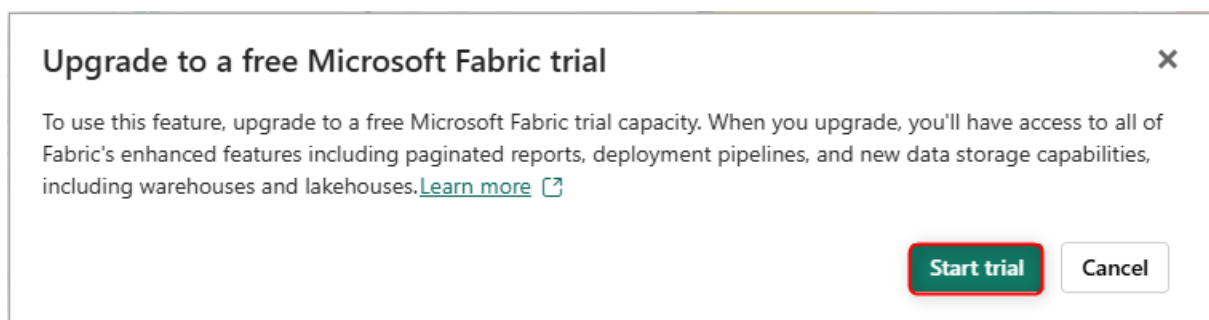Try for free

3. Enter your credentials.

4. Once you enter your credentials and selected Next. You will be navigated to Microsoft Fabric Home page.
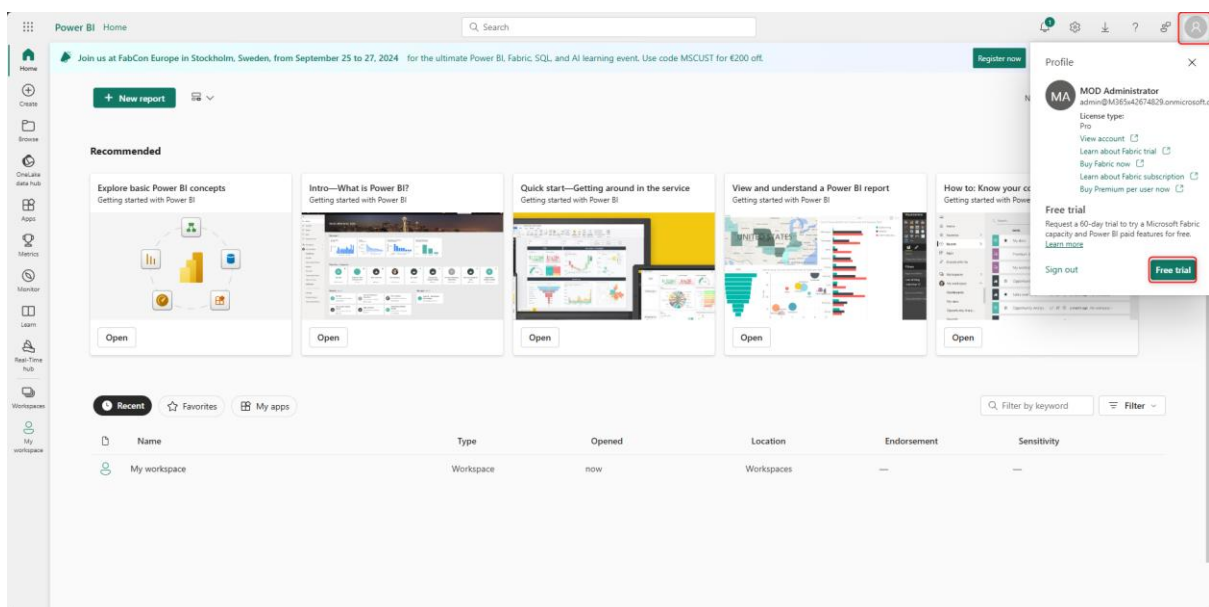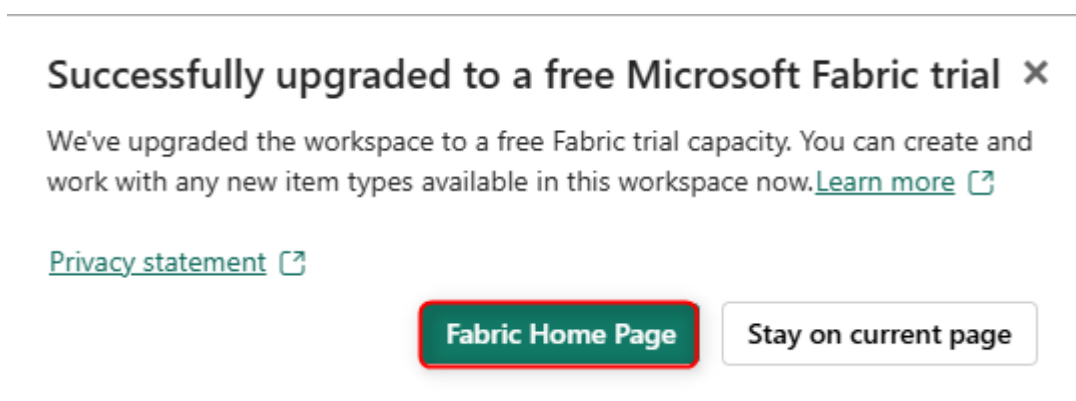
5. You must make sure that the Trial licence is enabled by selecting the account on top-right corner of the Fabric home page. Select **Free Trial.**
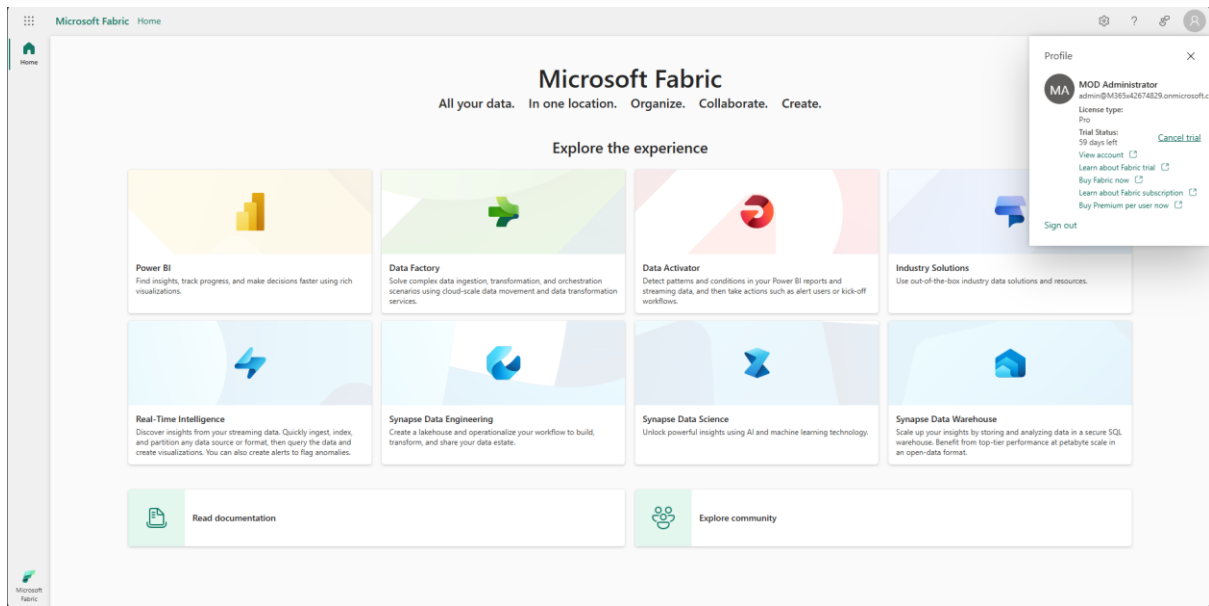

6. Select **Free Trial.**

7. Once it is enabled, select **Fabric Home Page.** You will be navigated to Fabric Home Page.

Task 2 - Enable Fabric tenant switch setting

If you're a Capacity administrator or a tenant admin, you can view, verify, or change the Fabric switch.

1. Click on **Settings** icon on the top-right corner of the Home page. Select **Admin Portal** from the list

Settings

Preferences

General →

Notifications →

Item settings →

Developer settings →

Resources and extensions

Manage personal storage →

Power BI settings →

Manage connections and gateways →

Manage embed codes →

Azure Analysis Services migrations →

Governance and insights

Admin portal →

Microsoft Purview hub (preview) →

2. Navigate to **Tenant settings > Users can create Fabric items.** Enable the option if it is disabled.

Task 3 - Access to Capacity administrator

If you're the capacity or Fabric administrator, from the upper right corner of Fabric, select the gear icon.

1. On the **Admin portal**, for a Fabric trial, select **Capacity settings** and then choose the **Trial** tab.

2. You must make sure that the admin name is reflecting in the Capacity Admins column

Summary

You have successfully enabled Fabric License and checked the capacity settings

Congratulations!

You have successfully completed this Lab. Click **Next** to advance to the next **Lab**.

Lab 02 - Setting up Microsoft Fabric Workspace

Objectives

- In this Lab, you will learn how to create workspaces in Microsoft Fabric

- You give access to it by adding them to the different roles.

Task 1 - Creating a Workspace

1. Open a new tab and paste the https://app.fabric.microsoft.com/home?experience=data-engineering&clientSideAuth=0 URL.

2. Login to Fabric Home page with your credentials.
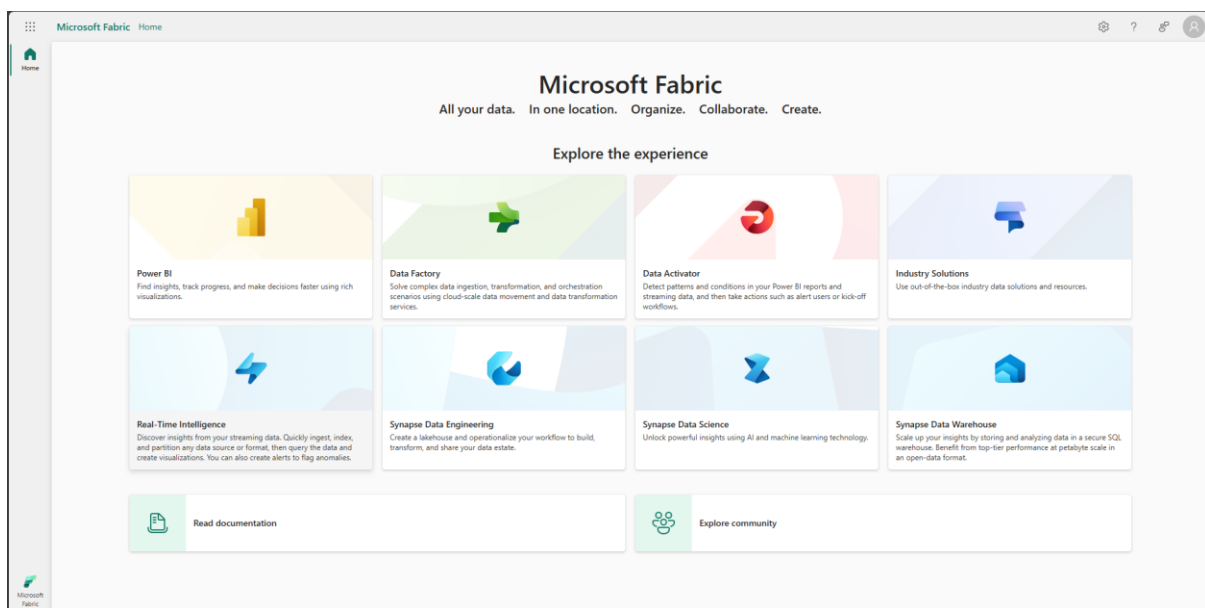
3. On the bottom left side corner of the page click on **Microsoft Fabric** and select **Power BI**
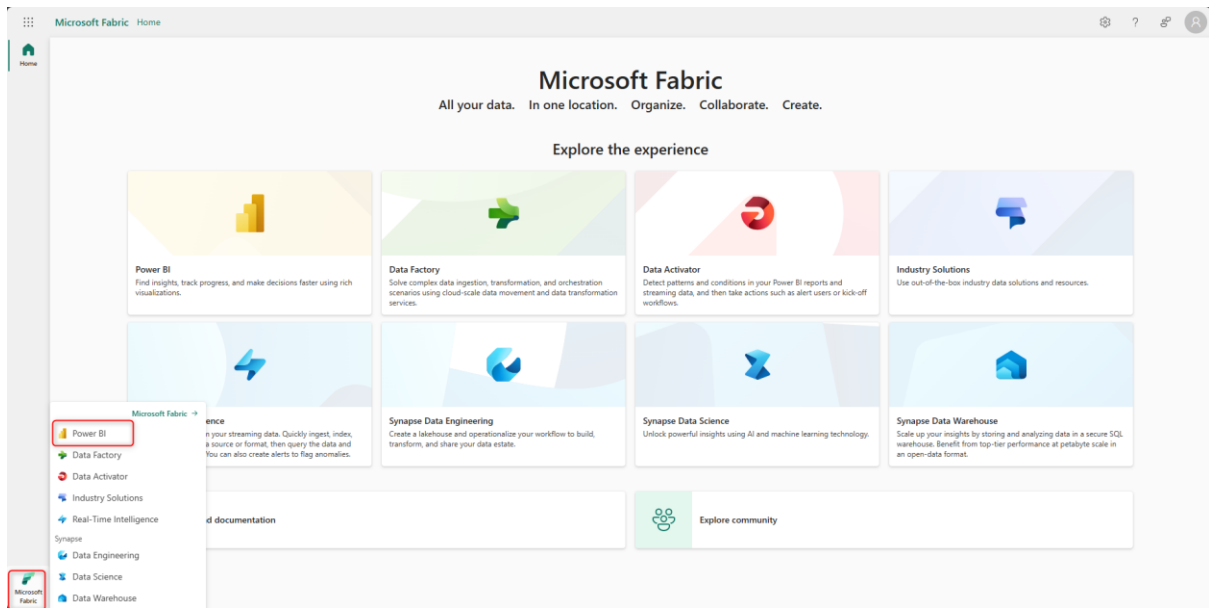
4. Select **Workspaces** > **New workspace**. The Create a workspace pane opens.

5. The **Create a workspace** pane opens.

6. Enter the below details:

a. Name - Fabric Workspace

b. Description - Demo workspace

c. You can also upload an image for your workspace which is optional.
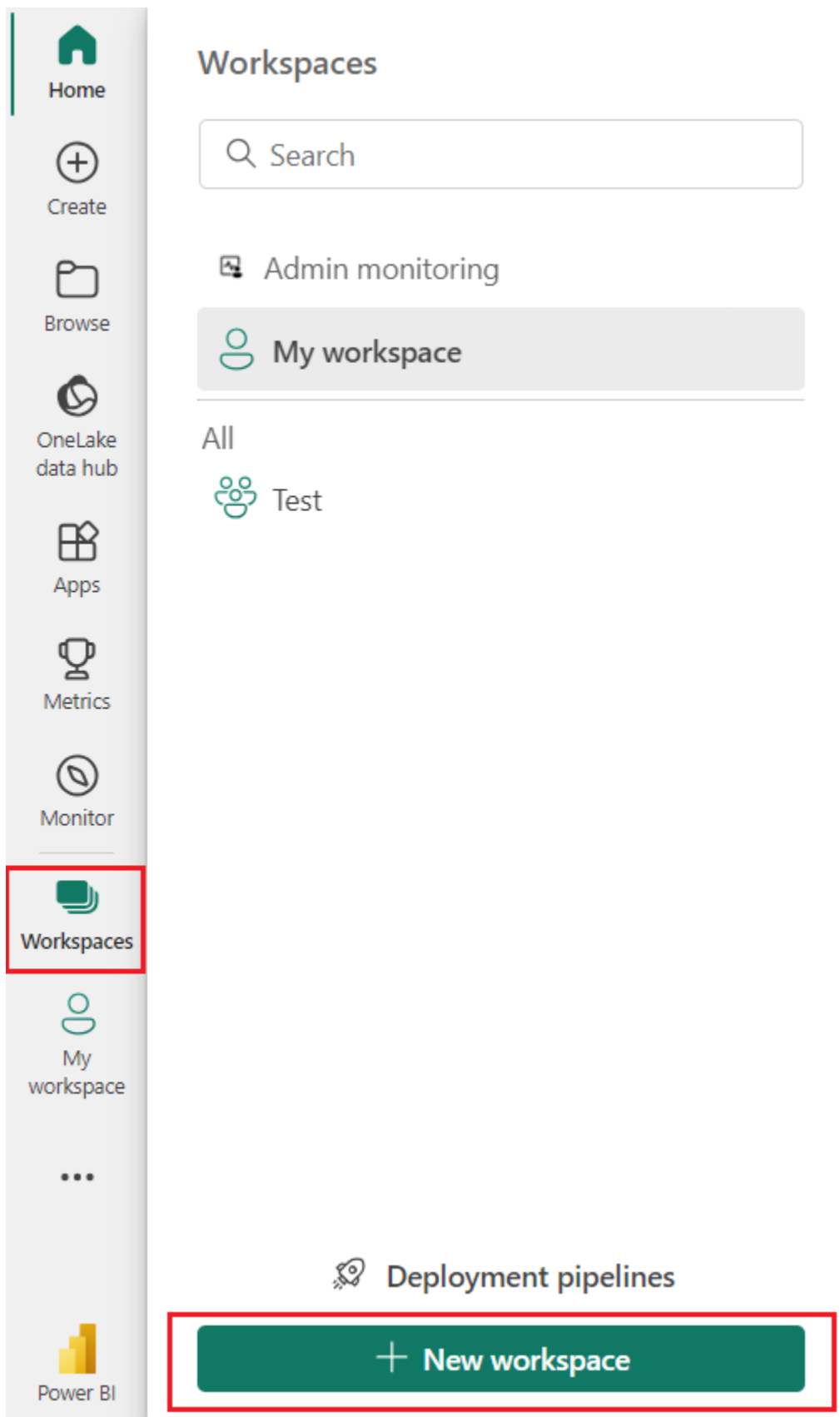
7. When done, either continue to the advanced settings, or select **Apply**.

Create a workspace ✕

Name * **1**

Fabric Workspace

✓ This name is available

Description **2**

Demo Workspace

Domain ⓘ

Assign to a domain (optional) ⌄

Learn more about workspace settings ↗

Workspace image

↑ Upload

⤸ Reset

Advanced ⌄

3

Apply   Cancel
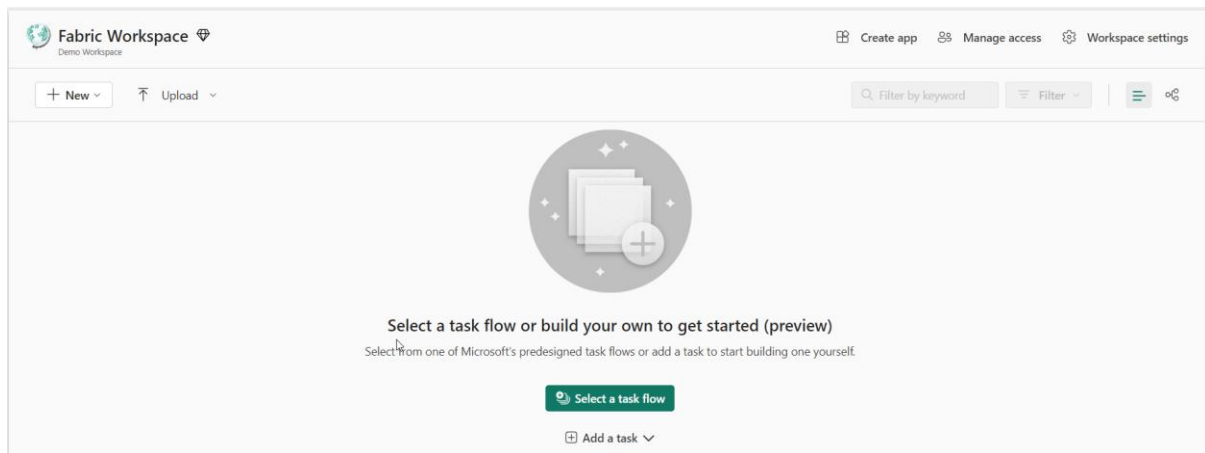
Task 2 - Give access to your workspace

1. Because you have the Admin or Member role in the workspace, on the top right corner of the Fabric workspace page, click on **Manage Access.**
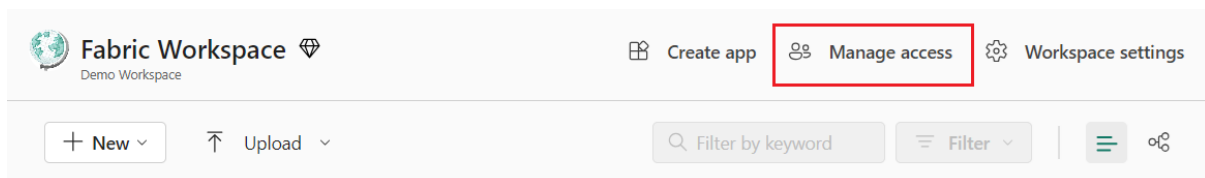
2. Select **Add people, groups or Links**
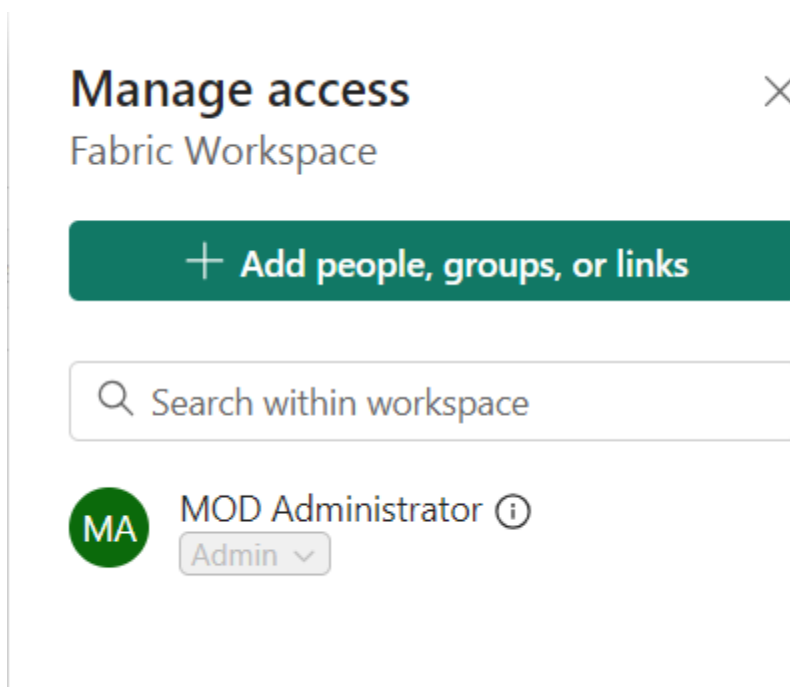
3. Enter name or email, select a role, and select **Add**. You can add security groups, distribution lists, Microsoft 365 groups, or individuals to these workspaces as admins, members, contributors, or viewers. If you have the member role, you can only add others to the member, contributor, or viewer roles.

4. You can view and modify access later if needed. Use the **Search**box to search for people or groups who already have access of this workspace. To modify access, select the drop-down arrow, and select a role.

Task 3 - Pin workspaces

Quickly access your favorite workspaces by pinning them to the top of the workspace flyout list.

1. Open the workspace flyout from the navigation pane and hover over the workspace you want to pin. Select the **Pin to top** icon.

2. The workspace is added to the **Pinned** list.

3. To unpin a workspace, select the unpin button. The workspace is unpinned.

Summary

- You have created workspace in Microsoft Fabric by providing access to others and quickly access your favorite workspaces by pinning them to the top of the workspace flyout list.

Congratulations!

You have successfully completed this Lab. Click **Next** to advance to the next **Lab**.

Lab 03 - Setting up workspace tenant

Objectives

- In this Lab, you will check the tenant settings in the Fabric and explore the settings

Task 1 - Configuring the Tenant settings

1. Login into Microsoft Fabric Portal - https://app.fabric.microsoft.com/ with your credentials and you will be navigated to the home page.

2. Go to the admin portal by selecting Setting icon (Gear icon) on the top right corner of the home page.

Settings

Preferences

General →

Notifications →

Item settings →

Developer settings →

Resources and extensions

Manage group storage →

Power BI settings →

Manage connections and gateways →

Manage embed codes →

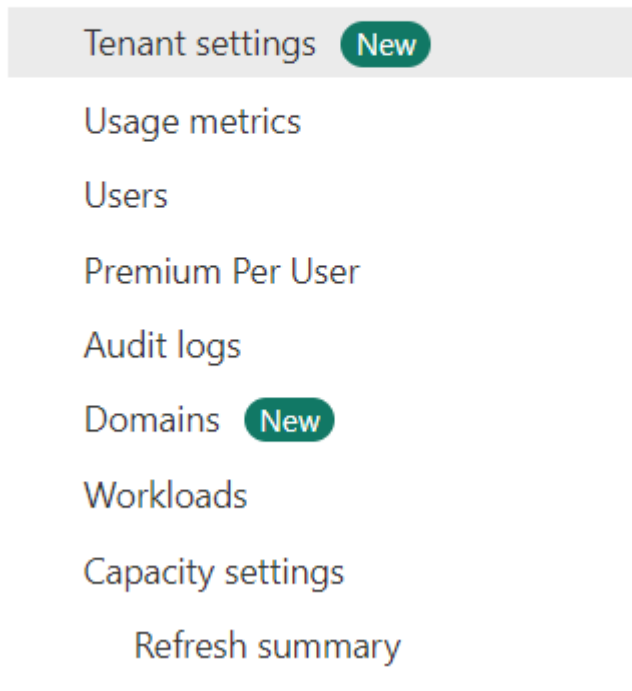Azure Analysis Services migrations →

Governance and insights

Admin portal →

Microsoft Purview hub (preview) →

3. Select **Tenant settings**.

Admin portal

Tenant settings `New`

Usage metrics

Users

Premium Per User

Audit logs

Domains `New`

Workloads

Capacity settings

Refresh summary

4. Check the below options accordingly:

   o **Disabled for the entire organization**: Scroll down to **Export and sharing settings** and search for **Certification** option. This feature disabled will allow no one in your organization can use this feature.

◿ Certification
Disabled for the entire organization

Choose whether people in your org or specific security groups can certify items (like apps, reports, or datamarts) as trusted sources for the wider organization.

Note: When a user certifies an item, their contact details will be visible along with the certification badge.

  ⬤◯ Disabled

[Apply]   [Cancel]

- o **Enabled for the entire organization**: Under **Export and sharing settings** and search for **Download reports** option. This option enabled will allow everyone in your organization to use this feature.

◿ Download reports
Enabled for the entire organization

Users in the organization can download .pbix files and paginated reports. Learn More

🟢 Enabled

Apply to:
⦿ The entire organization
◯ Specific security groups

☐ Except specific security groups

| Apply | Cancel |

- o **Enabled for the entire organization except for certain groups**: Under **Export and sharing settings** and search for **Export reports as XML documents** option. Everyone in your organization can use this feature except for users who belong to the specified groups.

⊿ **Export reports as XML documents**
Enabled for a subset of the organization

Users in the organization can export Paginated reports as XML documents.

🟢 Enabled

Apply to:

◉ The entire organization

◯ Specific security groups

☑ Except specific security groups

Ⓓ Denied ✕ Enter security groups

Apply	Cancel

- o **Enabled for a subset of the organization**: We can enable specific security groups in your organization are allowed to use this feature.

⊿ **Export reports as XML documents**
Enabled for a subset of the organization

Users in the organization can export Paginated reports as XML documents.

🟢 Enabled

Apply to:

◯ The entire organization

◉ Specific security groups

Ⓐ Allowed ✕ Enter security groups

☐ Except specific security groups

Apply	Cancel

- **Enabled for specific groups except for certain groups**: Here, members of the specified security groups are allowed to use this feature, unless they also belong to an excluded group. This approach ensures that certain users don't have access to the feature even if they're in the allowed group. The most restrictive setting for a user applies.

◁ Export reports as XML documents
Enabled for a subset of the organization

Users in the organization can export Paginated reports as XML documents.

🟢 Enabled

Apply to:

○ The entire organization

◉ Specific security groups

Ⓐ Allowed ✕	Enter security groups

✅ Except specific security groups

Ⓓ Denied ✕	Enter security groups

Apply   Cancel

Summary :

You have successfully checked the tenant settings in the Fabric that are required to execute the further labs

Congratulations!

You have successfully completed this Lab. Click **Next** to advance to the next **Lab**.

Lab 04 - Assigning granular permission to Lakehouse items

Objectives:

- In this Lab, you will enable OneDrive access and share the items

- You will also learn on how to grant and manage the access.

Task 1: Enable OneDrive access to the Microsoft Account

1. Open a browser and paste the onedrive URL https://www.microsoft.com/en-in/microsoft-365/onedrive/online-cloud-storage. Select **Sign in.**
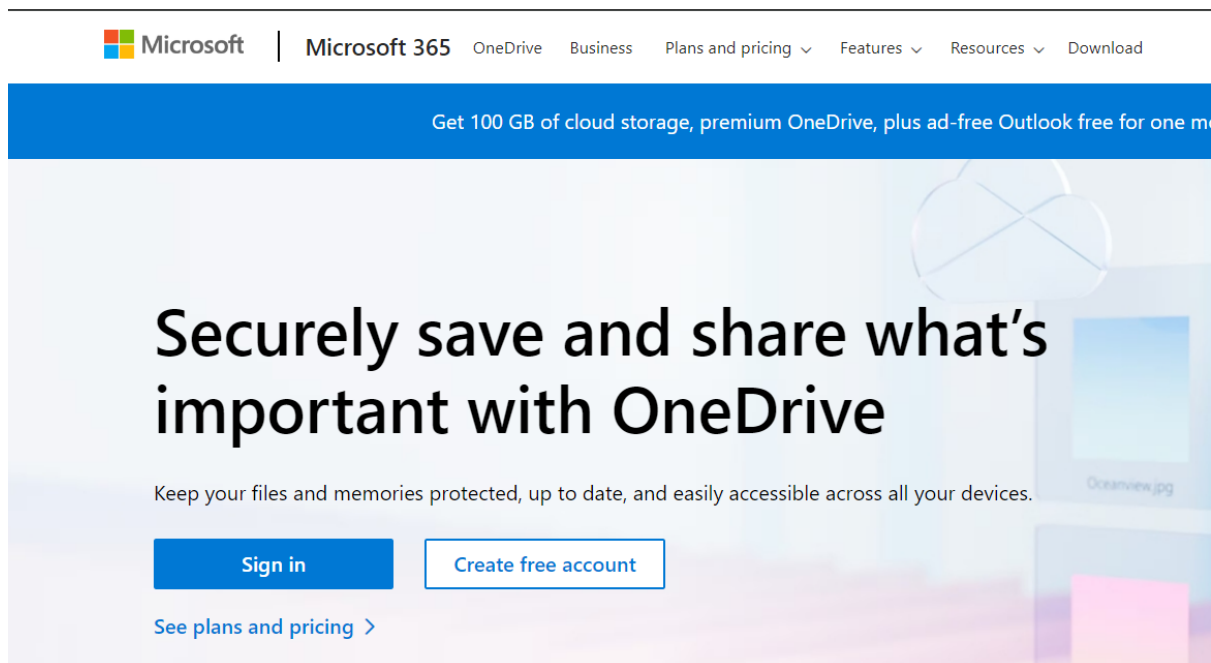
2. Sign in with your Office tenant credentials.

3. Once you sign in, click on **Your OneDrive is ready** option to navigate to the Homepage of Onedrive.

Securely store and share files

Invite others to view or edit any files you choose.

Your files and folders are private until you share them.

Your OneDrive is ready →

Share an item via link

1. Login to https://app.fabric.microsoft.com/ with your office credentials.

2. In the workspace created, Create a new item. For this lab, let us add a **Scorecard**.

3. Click on **New** and click on **Scorecard**.
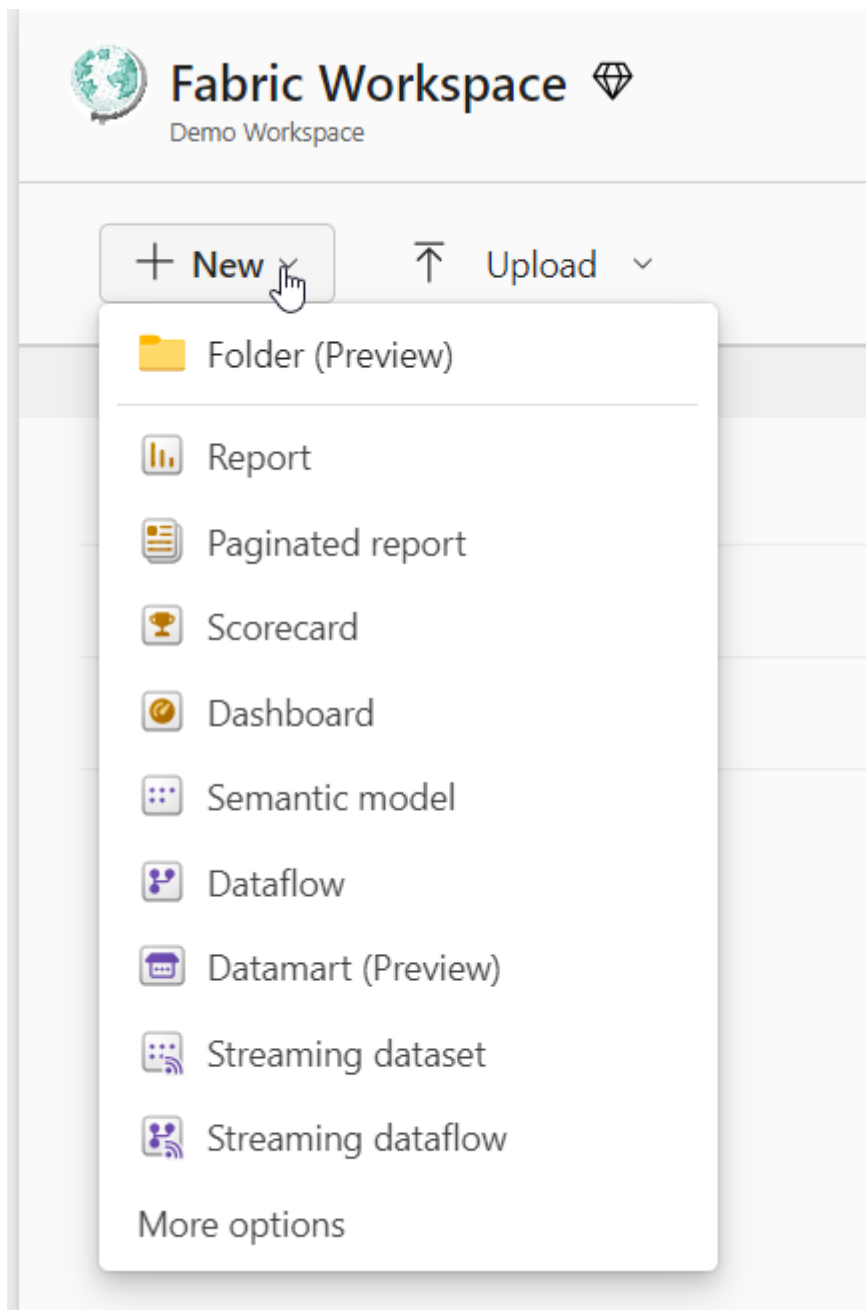
4. Provide a name to the **Scorecard** as Fabric Demo by clicking on **Edit** beside the default name

5. Navigate back to the workspace and in the list of items, or in an open item, select the scorecard and select the **Share** button

.
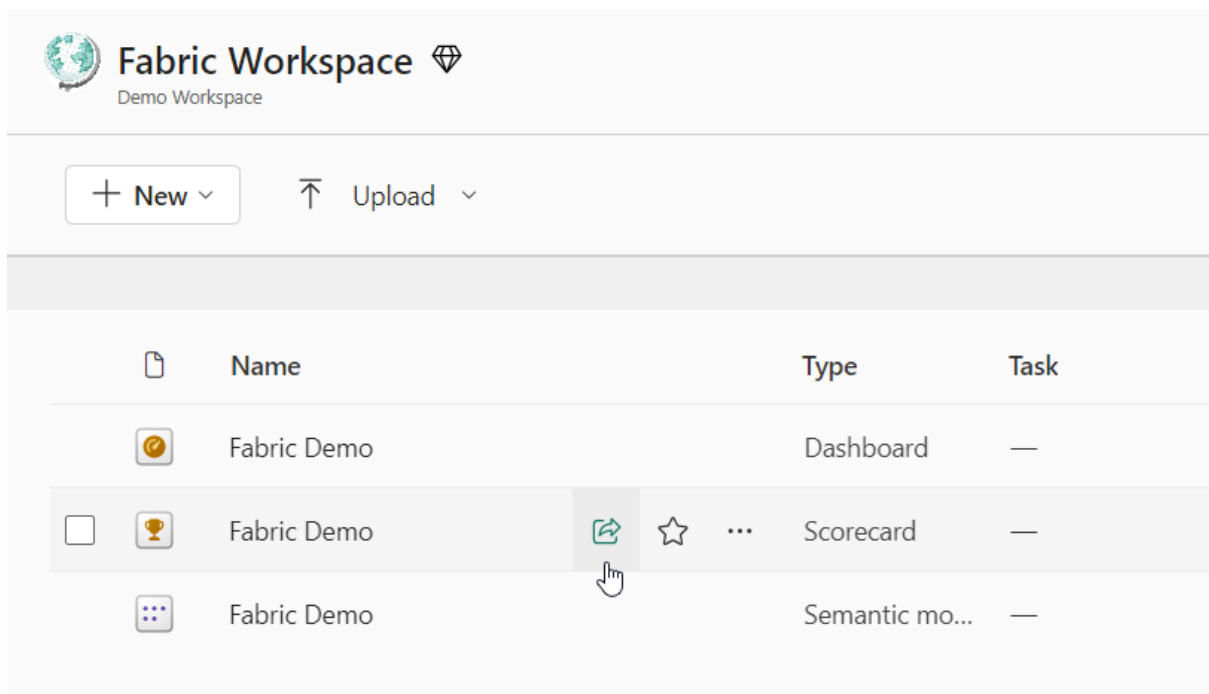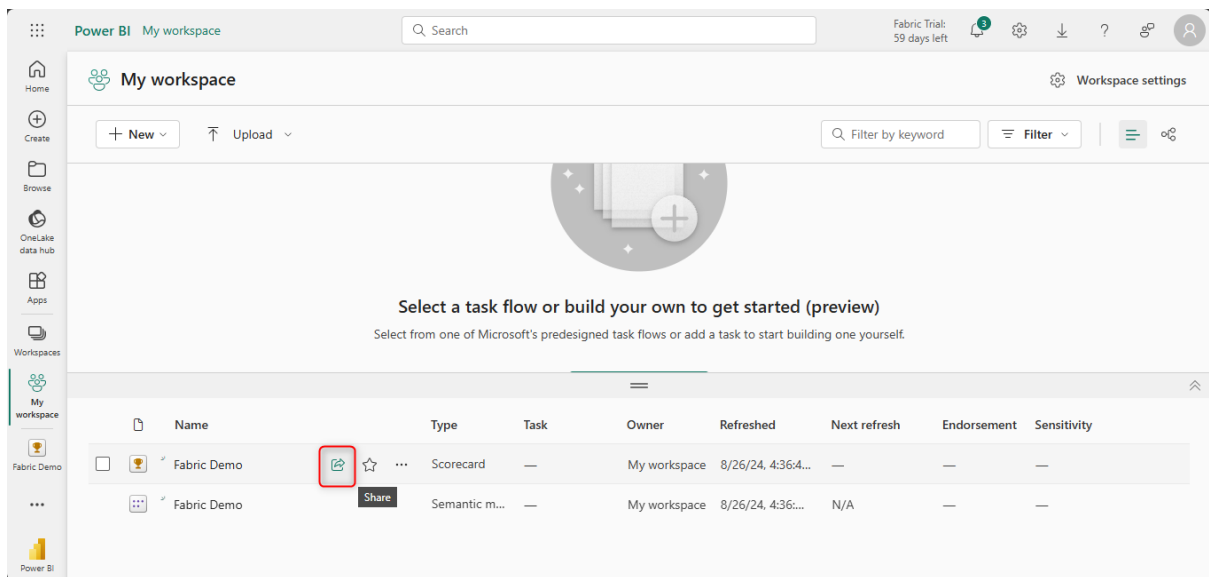
6. The **Create and send link** dialog opens. Select **People in your organization can view**.

Send link

Fabric Demo

People in your organization with the link can view and share

Enter a name, email address, or link

Add a message (optional)

Send

Copy link   Mail   Teams

7. The **Select permissions** dialog opens. Select the option as **People in your organization**.

Note :

You have the following options:

- **People in your organization** This type of link allows people in

your organization to access this item. It doesn't work for external users or guest users. Use this link type when:

- You want to share with someone in your organization.

- You're comfortable with the link being shared with other people in your organization.

- You want to ensure that the link doesn't work for external or guest users.

- **People with existing access** This type of link generates a URL to the item, but it doesn't grant any access to the item. Use this link type if you just want to send a link to somebody who already has access.

- **Specific people** This type of link allows specific people or groups to access the report. If you select this option, enter the names or email addresses of the people you wish to share with. This link type also lets you share to guest users in your organization's Microsoft Entra ID. You can't share to external users who aren't guests in your organization.

Note - If your admin has disabled shareable links to **People in your organization**, you can only copy and share links using the **People with existing access** and **Specific people** options.

1. Choose the permissions you want to grant via the link. Select **Apply.** Then select **Send.**
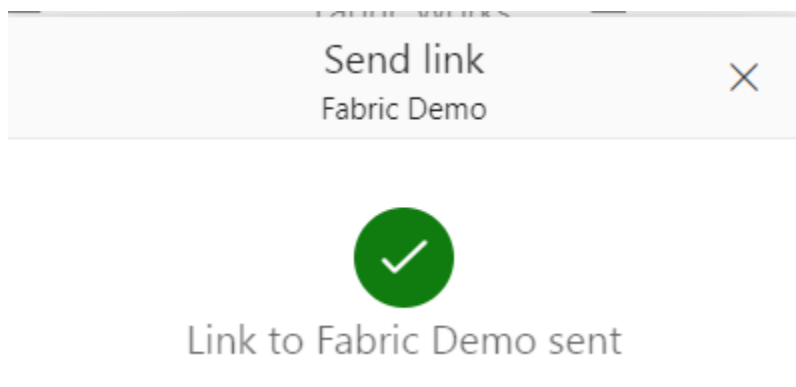
Links that give access to **People in your organization** or **Specific people** always include at least read access. However, you can also specify if you want the link to include additional permissions as well.

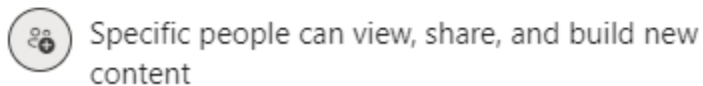**Note -** The **Additional permissions** settings vary for different items. Learn more about the Item permission - https://learn.microsoft.com/en-us/fabric/get-started/share-

items#item-permission-model Links for **People with existing access** don't have additional permission settings because these links don't give access to the item.

1. Select another item by creating another scoreboard. In the **Create and send link** dialog, you have the option to copy the sharing link, generate an email with the link, or share it via Teams.
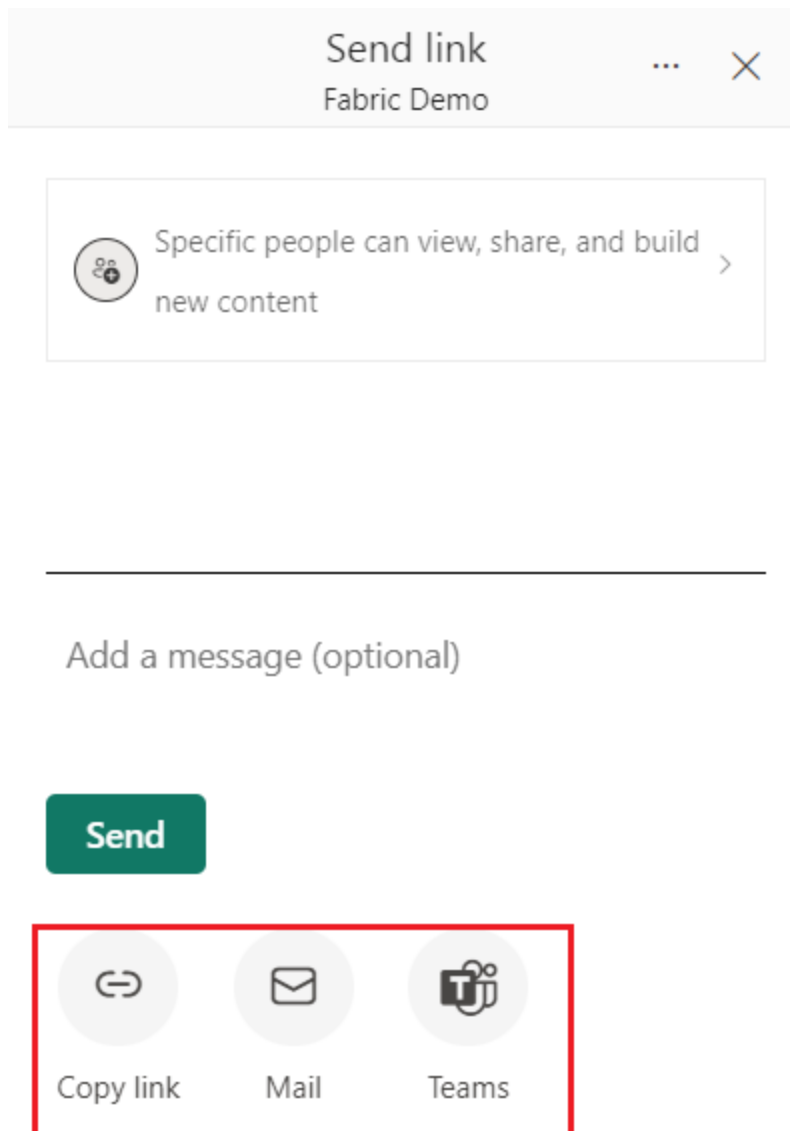
   - **Copy link**: This option automatically generates a shareable link. Select **Copy** in the **Copy link** dialog that appears to copy the link to your clipboard.

Link copied

8994a&pbi_source=linkShare | Copy

Specific people can view, share, and build new content

- o **by Email**: This option opens the default email client app on your computer and creates an email draft with the link in it.

- **by Teams**: This option opens Teams and creates a new Teams draft message with the link in it.

1. You can also choose to send the link directly to **Specific people** or groups (distribution groups or security groups). Enter their name or email address, optionally type a message, and select **Send**. An email with the link is sent to your specified recipients.

When your recipients receive the email, they can access the report through the shareable link.

Task 2 - Manage item links

1. Select **Fabric Demo** Scoreboard. To manage links that give access to the item, in the upper right of the sharing dialog, select the **Manage permissions** icon:
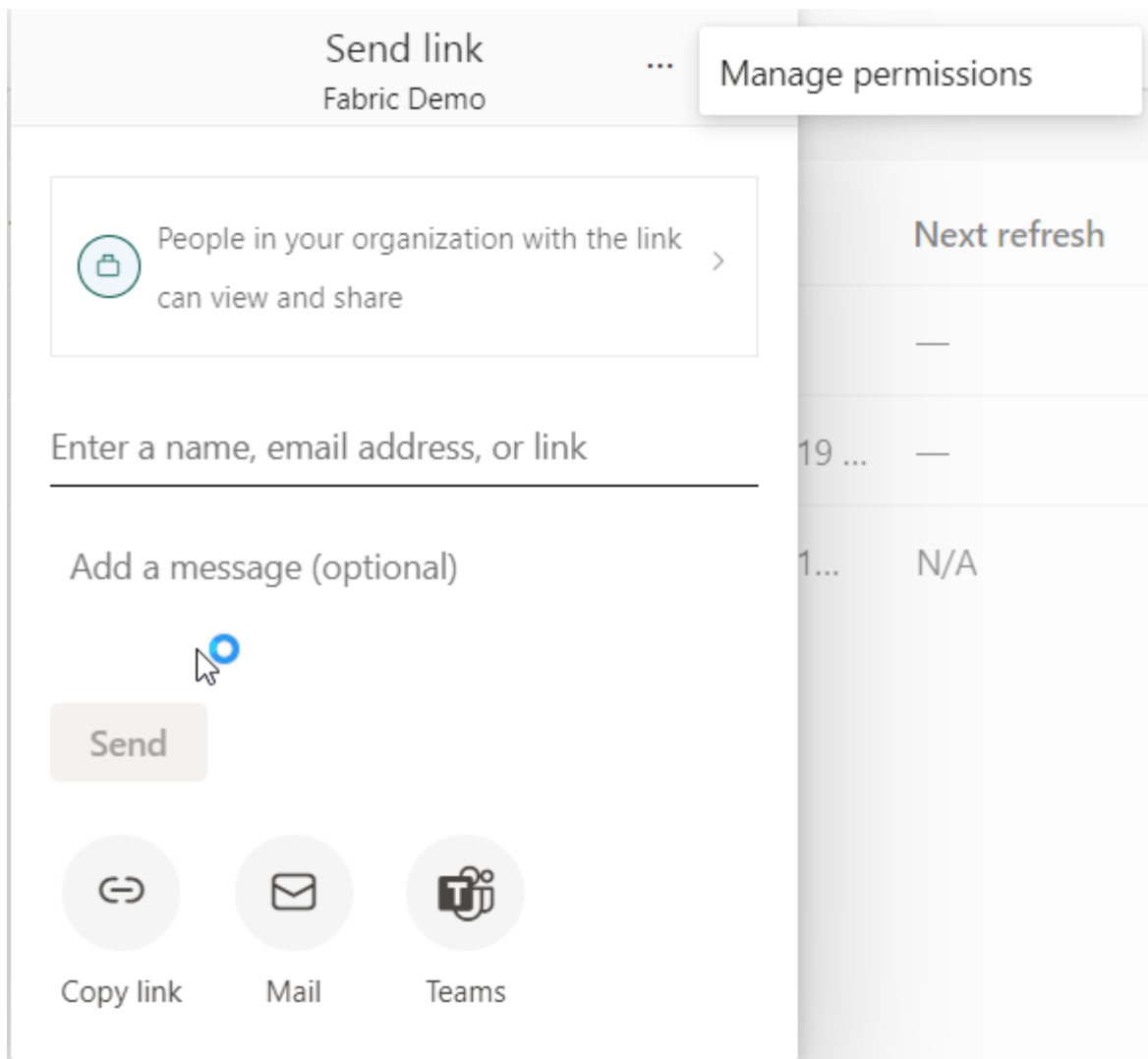
2. The **Manage permissions** pane opens, where you can copy or modify existing links or grant users direct access. To modify a given link, select three horizontal dots(**...**).

3. In the **Manage permissions** pane, you can modify the permissions included in the link, people who can use this link, or delete the link. Select **Save** after your modification.

Manage permissions

Fabric Demo

(🗐) https://app.fabric.micr... **Copy** ✕

People in your organization

Link settings

ⓘ People with this link can view this report and use
the data associated with it, regardless of its
sensitivity label.

☑ Allow recipients to share this report

☐ Allow recipients to build content with the
data associated with this report

---

Save   Cancel

This image shows the **Manage Permissions** pane when the selected audience
is **Specific people can view and share**. Note that the pane enables you to modify who
can use the link.

![A screenshot of a link settings Description automatically generated](./media/image19.png)

Task 3 - Grant and manage access directly

In some cases, you need to grant permission directly instead of sharing link, such as granting permission to service account, for example.

1. Select **Manage permission** from the context menu of the Scoreboard that is created.
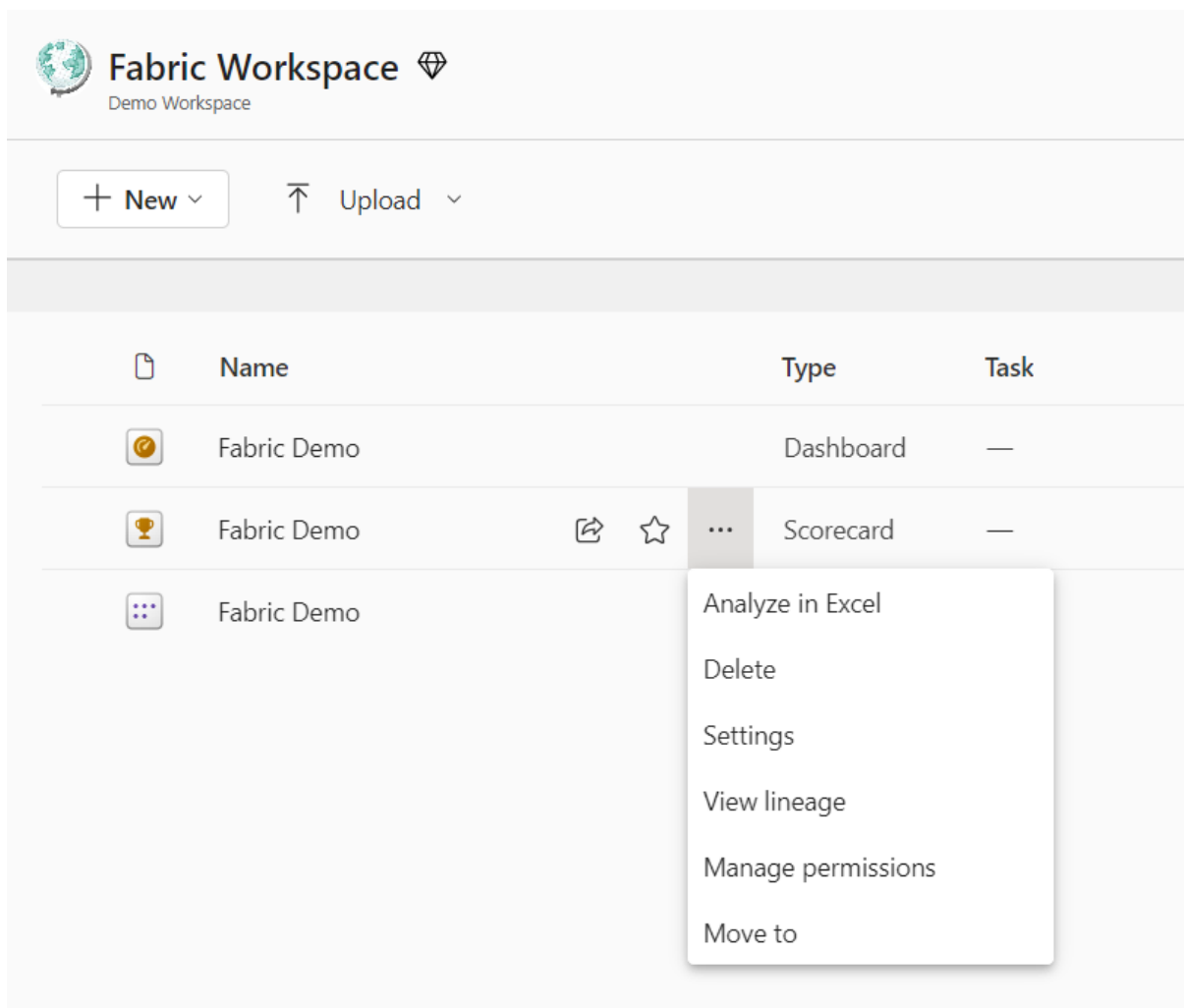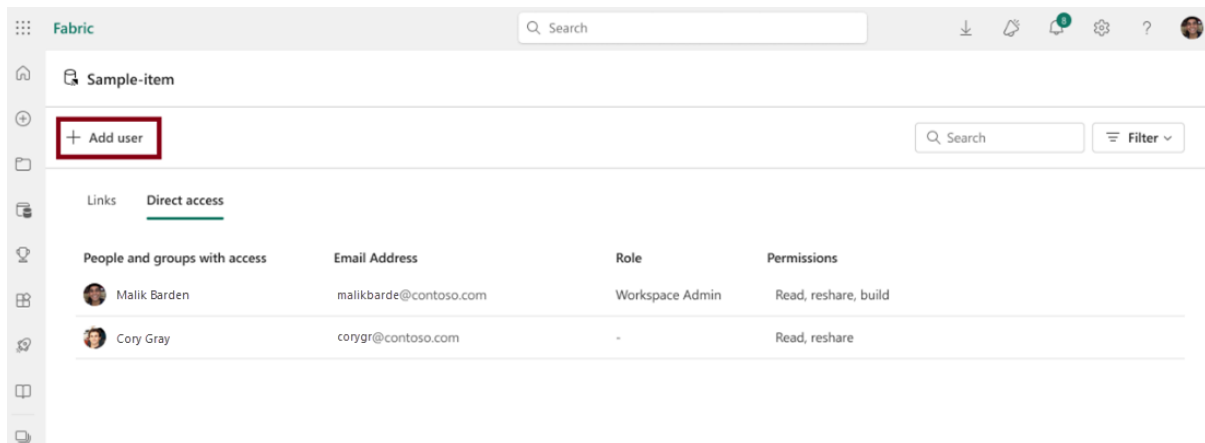

2. Select **Direct access**.

+ Add user

___

Links   **Direct access**   Pending   Shared views

___

People and groups with access

___

(MA) MOD Administrator

3. Select **Add user**.

4. Enter the names of people or accounts that you need to grant access to directly. Select the permissions that you want to grant. You can also optionally notify recipients by email.

5. Select **Grant Access**.

Grant people access ✕

🔍 (MS) Microsoft Service Account ✕

☑ Allow recipients to share this report

☑ Allow recipients to build content with the data associated with this report

☑ Send an email notification

Add a message (optional)

Grant access   Cancel

6. You can see all the people, groups, and accounts with access in the list on the permission management page. You can also see their workspace roles, permissions, and so on. By selecting the context menu, you can modify or remove the permissions.

Summary

- You have enabled OneDrive access and share the items via using the link and also granted the access directly.

Congratulations!

You have successfully completed this Lab. Click **Next** to advance to the next **Lab**.