



Business Analytics with Power BI

Microsoft Services

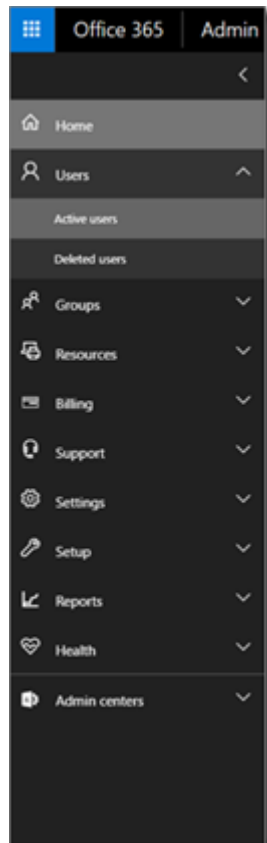


Module 2: Power BI Service

Lesson 8: Administration and Licensing

Power BI Admin Role

- Power BI admin role is a role in Azure AD
- Office 365 user admins can assign users to be Power BI admins within the Office 365 Admin center, or via PowerShell script.



Product licenses	Power BI (free)	Edit
Group memberships (5)	ContentPackTable deleteGroup GroupCreationBeforeOption GroupCreationEnabled More	Edit
Sign-in status	Sign-in allowed	Edit
Roles	Global administrator	Edit
Display name	Vars Vas	Edit
Office phone		
✕ Mail Settings		
More settings	Manage multi-factor authentication	
Close		

Edit user roles

Choose the admin role that you want to assign to this user. [Learn more about administrator roles](#)

☐ User (no administrator access)

☐ Global administrator

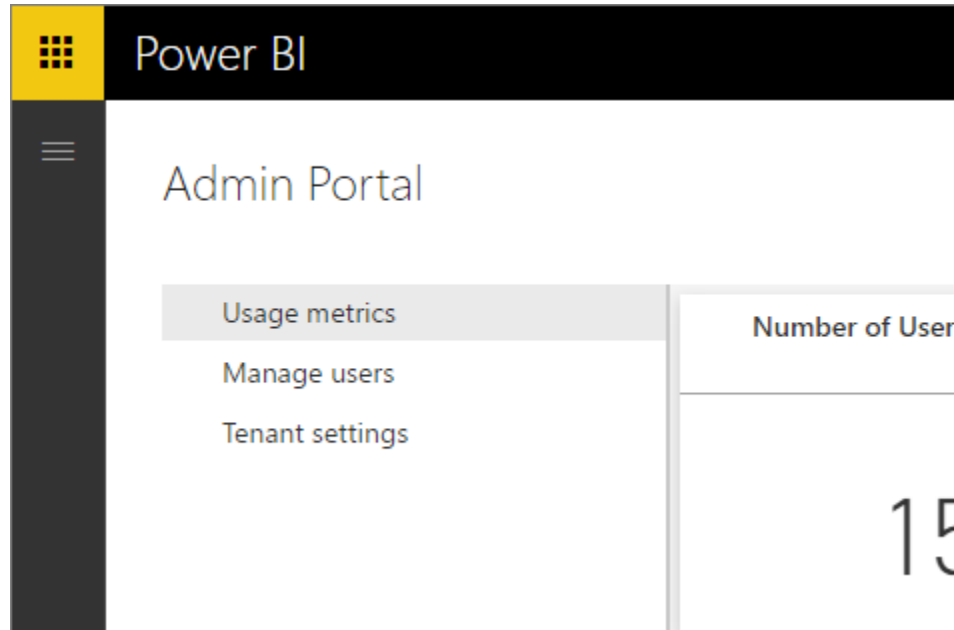
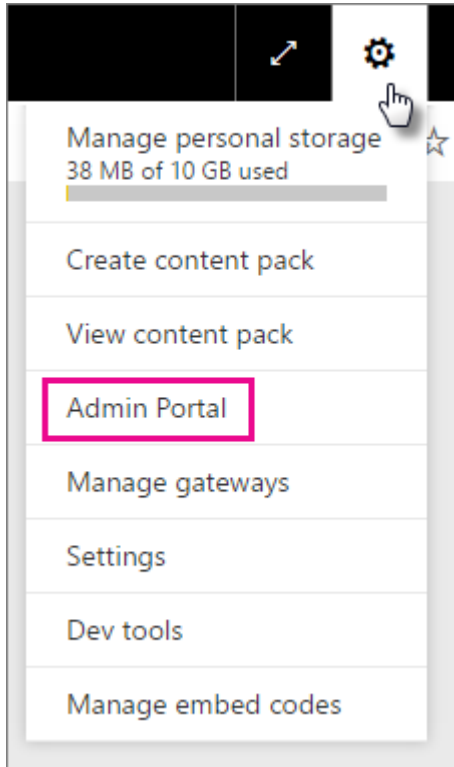
☒ Customized administrator

- ☐ Billing administrator
- ☐ Exchange administrator
- ☐ Password administrator
- ☐ Skype for Business administrator
- ☒ Power BI service administrator
- ☐ Service administrator
- ☐ SharePoint administrator
- ☐ User management administrator

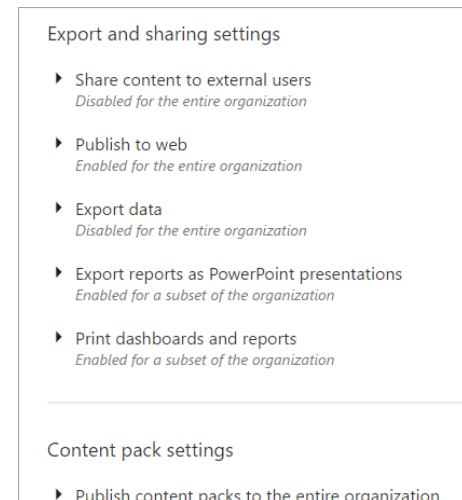
Alternative email address

[Save](#) [Cancel](#)

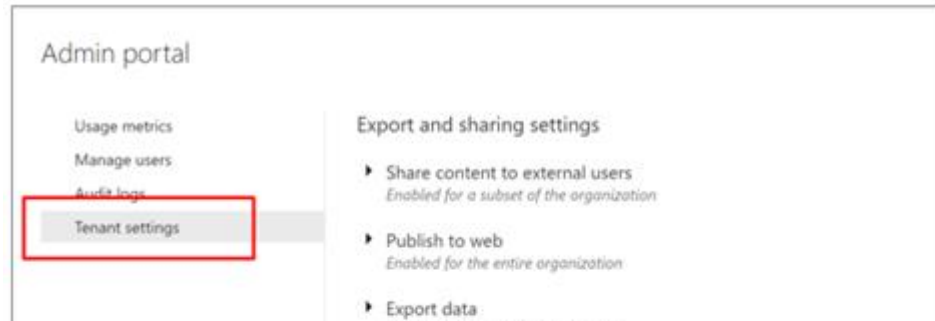
Power BI Admin Portal



- Usage Metrics allows the monitoring of Power BI usage in your organization.
- Manage Users jumps to O365 management console to manage who has access to Power BI
- Tenant Settings



Power BI Admin Security Settings



Share content to external users
Unapplied changes

Users in the organization can share dashboards with users outside the organization.

☒ Enabled

Apply to:

☐ The entire organization

☒ Specific security groups

Power BI Authors X Enter security groups

☒ Except specific security groups

Finance Department X Enter security groups

Apply **Cancel**

Share content to external users

Export reports as PowerPoint presentations

Export Data

Print dashboards and reports

Publish content packs to the entire organization

Create template organizational content packs

Use Analyze in Excel with on-premises datasets

Audit Logs (Preview)

- **Audit logs** allows Office 365 admins to track usage of Power BI across their tenant with significant detail
- You can **filter the audit** data by date range, user, dashboard, report, dataset and activity type
- **Results** can be **exported**
- Auditing is a **PRO** feature
- Has to be enabled under **Tenant Settings**

The screenshot shows the 'Audit log search' page in the Office 365 Security & Compliance center. The breadcrumb trail is 'Home > Audit log search'. The page title is 'Audit log search'. Below the title, there is a description: 'Need to find out if a user deleted a document or if an admin reset someone's password. Find activity related to email, groups, documents, permissions, directory services, and more.' The search section includes a 'Search' label, a 'Clear' button, and a dropdown menu for 'Activities' currently set to 'Viewed Power BI dashboard, ... (19)'. There are also date range filters for 'Start date' (2017-01-23 to 00:00) and 'End date' (2017-01-31 to 00:00). The results section shows 'Results 150 results' and a table with columns 'Date' and 'Activity'. The table contains five entries, all dated 2017-01-29.

Date	Activity
2017-01-29 15:18:38	Viewed Power BI dashboard, ... (19)
2017-01-29 15:18:36	Viewed Power BI dashboard, ... (19)
2017-01-29 15:18:16	Viewed Power BI dashboard, ... (19)
2017-01-29 15:17:25	Viewed Power BI dashboard, ... (19)
2017-01-29 15:17:04	Viewed Power BI dashboard, ... (19)

Licensing

Author	Share and collaborate	Scale large deployments
<p>Power BI Desktop</p> <p>Free</p> <p>DOWNLOAD FREE ></p> <hr/> <p>Connect to hundreds of data sources</p> <p>Clean and prepare data using visual tools</p> <p>Analyze and build stunning reports with custom visualizations</p> <p>Publish to the Power BI service</p> <p>Embed in public websites</p>	<p>Power BI Pro</p> <p>\$9.99</p> <p>per user per month</p> <p>TRY FREE ></p> <hr/> <p>Build dashboards that deliver a 360-degree, real-time view of the business</p> <p>Keep data up-to-date automatically, including on-premises sources</p> <p>Collaborate on shared data</p> <p>Audit and govern how data is accessed and used</p> <p>Package content and distribute to users with apps</p>	<p>Power BI Premium</p> <p>Capacity pricing</p> <p>per node per month</p> <p>PLAN YOUR COSTS ></p> <hr/> <p>Gain dedicated capacity you allocate, scale, and control</p> <p>Distribute and embed content without purchasing per-user licenses</p> <p>Publish reports on-premises with Power BI Report Server</p> <p>Unlock more capacity and higher limits for your Pro users</p> <p><i>Licensing information for Power BI Report Server and for embedding analytics with Power BI Premium.</i></p>

Licensing

- **Free** – Allows the same functionality as PRO but **does not allow sharing mechanisms** or row-level security.
• *Scenario: I'm a researcher and I use Power BI for own work. I will not share with other people.*
- **Pro** – Every user that is to publish and **share content with others** will be a PRO user.
• *Scenario: If I'm using the Power BI Service and need to collaborate with others I will need a Power BI PRO license and all users to whom I am sharing with will need as well.*
- **Premium** – It is a new **capacity-based** model. Instead of bulk assigning workspaces for the entire organization, you have granular control on specific workspaces make use of your Premium v-cores
- Starting from Dec 2017, Power BI Premium supports uploading Power BI Desktop (.PBIX) files that are **up to 10 GB in size** – a x10 increase compared to before.
- An infrastructure in the cloud is provided by Microsoft, which is scalable at any point in time. People that **produce content must have a PRO** license. People that **consume do not need a license**.
(Premium licensing can also be "transported" to an on-premises license with the same computing capacity.
A calculator exists to help estimate capacity: <https://powerbi.microsoft.com/en-us/calculator/>)