



Power BI

Sales Dashboard

SALES DASHBOARD

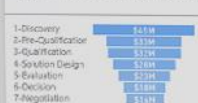
Ask a question about the data on this dashboard

How to ask

Actual vs. target revenue (\$)



Opportunity value by pipeline pha...



Actual margin

15%

Target margin

16%

Discount by category



Average sales (\$)

\$1.08M

Average quota (\$)

\$1.1M

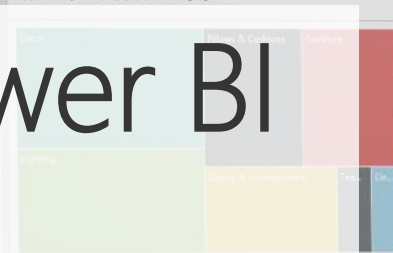
Sales Spreadsheet Summary



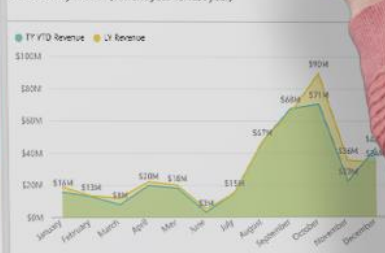
Variance to target sales



Opportunity value by product category



Revenue by month (current year vs. last year)



Sales Spreadsheet Summary

Sum of Sales	Columns Labels	Canada	France	Germany	Mexico	United States of America	Grand Total
Channel Partners	\$	431,164	372,090	336,426	234,379	366,538	1,800,594
Enterprise	\$	3,957,491	3,890,891	4,086,825	3,315,881	4,350,605	19,611,694
Government	\$	10,741,237	12,122,783	11,452,895	9,791,599	8,390,746	52,504,761
Midmarket	\$	510,214	593,802	301,345	511,134	465,386	2,381,883
Small Business	\$	9,177,549	7,369,607	7,327,848	7,096,356	11,456,555	42,427,919
Grand Total	\$	24,887,635	24,354,172	23,505,341	20,949,352	25,029,836	118,726,350

Planned v actual category mix



Countries not meeting quota



# Introduction to Power BI Premium

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Email:sivah@Microsoft.com

# Overview



How does it work?



Managing Power BI Premium



Power BI capability tiers



Summary



# Power BI Premium

Dedicated resources in the cloud



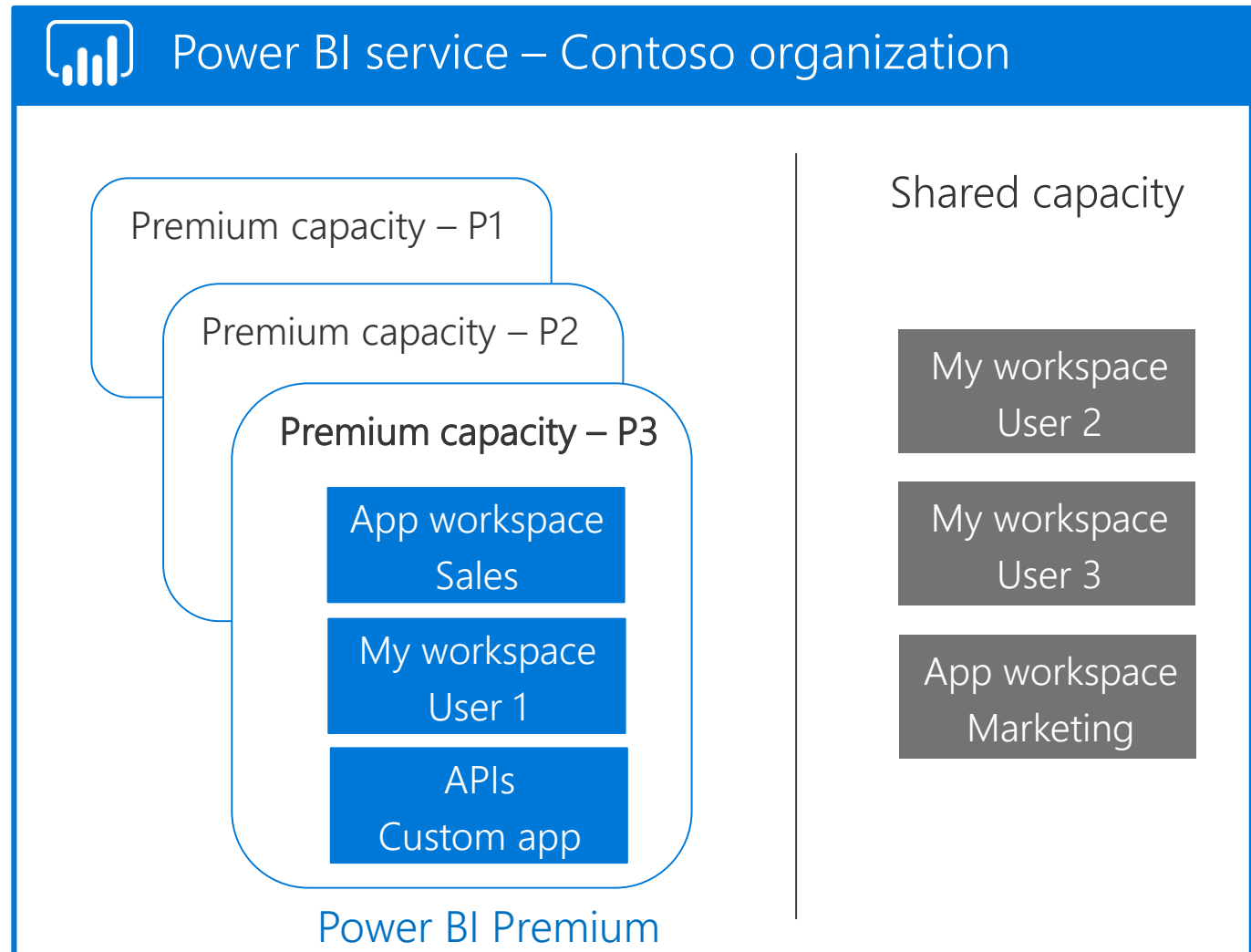
Greater scale and performance



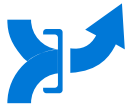
Flexibility to license by capacity



Extending on-premises capabilities



# Greater scale and performance



## Noisy neighbor isolation

Enhance performance by moving workspaces to dedicated hardware

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## Larger datasets

Import a dataset up to 10 GB in size

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## Faster data refresh rates

Up to 48 times per day per model

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## Increased storage

Total storage size up to 100 TB

# Flexibility to license by capacity

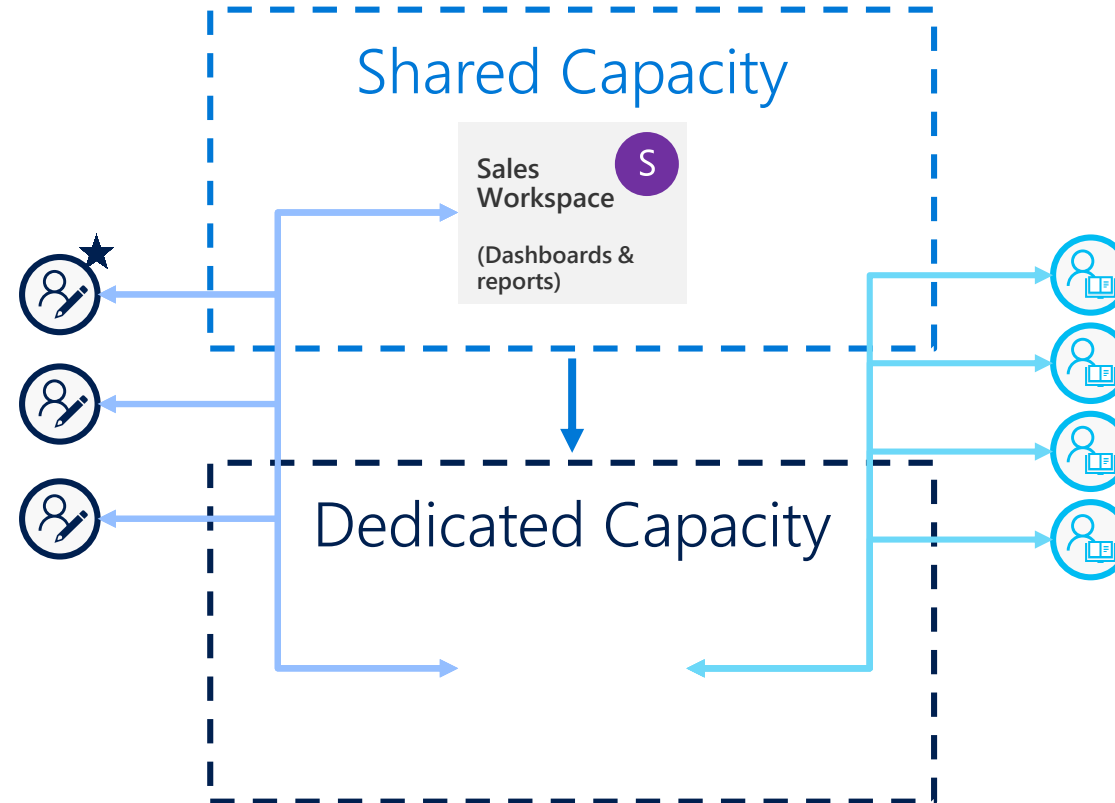
Extend read access to a broader set of people without requiring per user license

Power BI Pro users have access to a sales workspace in shared capacity

Power BI Pro user with assignment permissions designates the workspace as Premium (dedicated capacity)

Non Power BI Pro users are not able to access sales workspace in shared capacity

Content running on dedicated capacity can be distributed to all users via a Power BI App



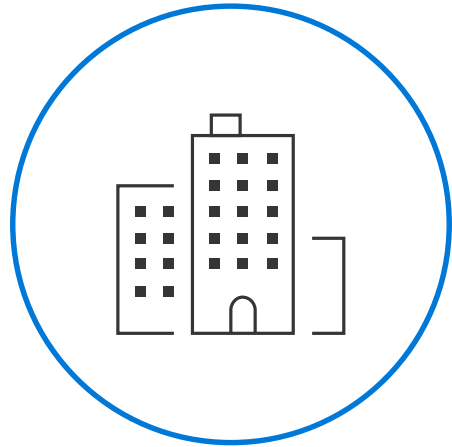
 Power BI Pro user with permissions

 Power BI Pro user without permissions

 Basic user (Non Power BI Pro)

# Extending on-premises capabilities

## Power BI Report Server



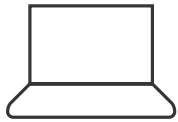
Flexibility to keep reports on-premises

Compatibility with SSRS reports

Concurrently deploy an equivalent number of cores on-premises

# Power BI portfolio

Author



Power BI Desktop

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Free data analysis  
and report authoring tool

Licensed by user

Share and collaborate



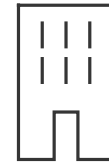
Power BI service

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Cloud-based modern  
business analytics solution

Licensed by user

Large scale deployments



Power BI Premium

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Dedicated capacity for  
increased performance

Licensed by capacity

Overview



How does it work?



Managing Power BI Premium



Power BI capability tiers

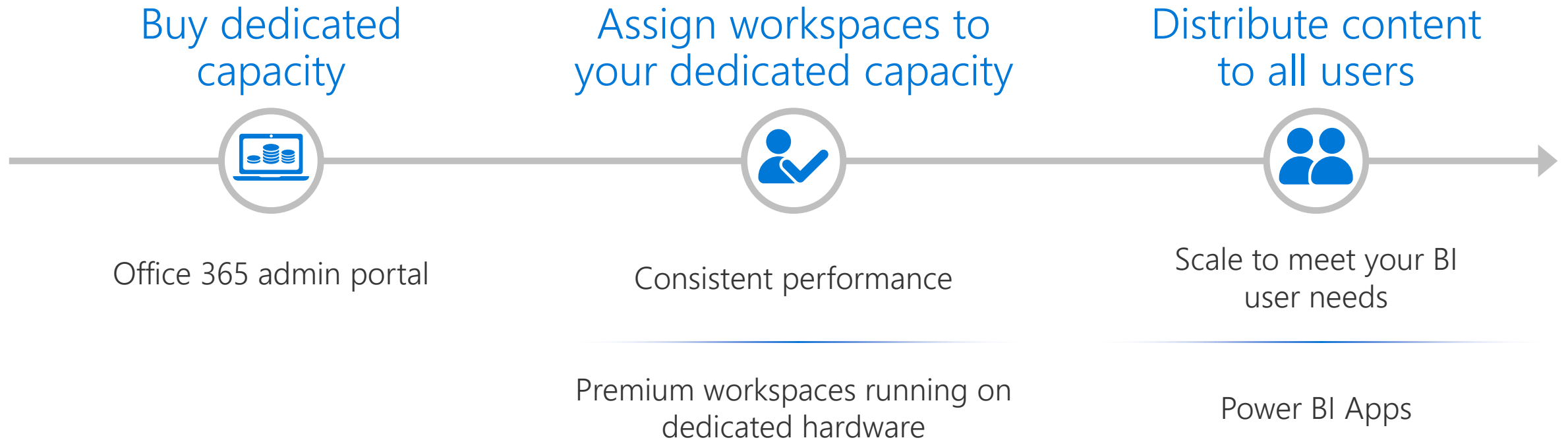


Summary





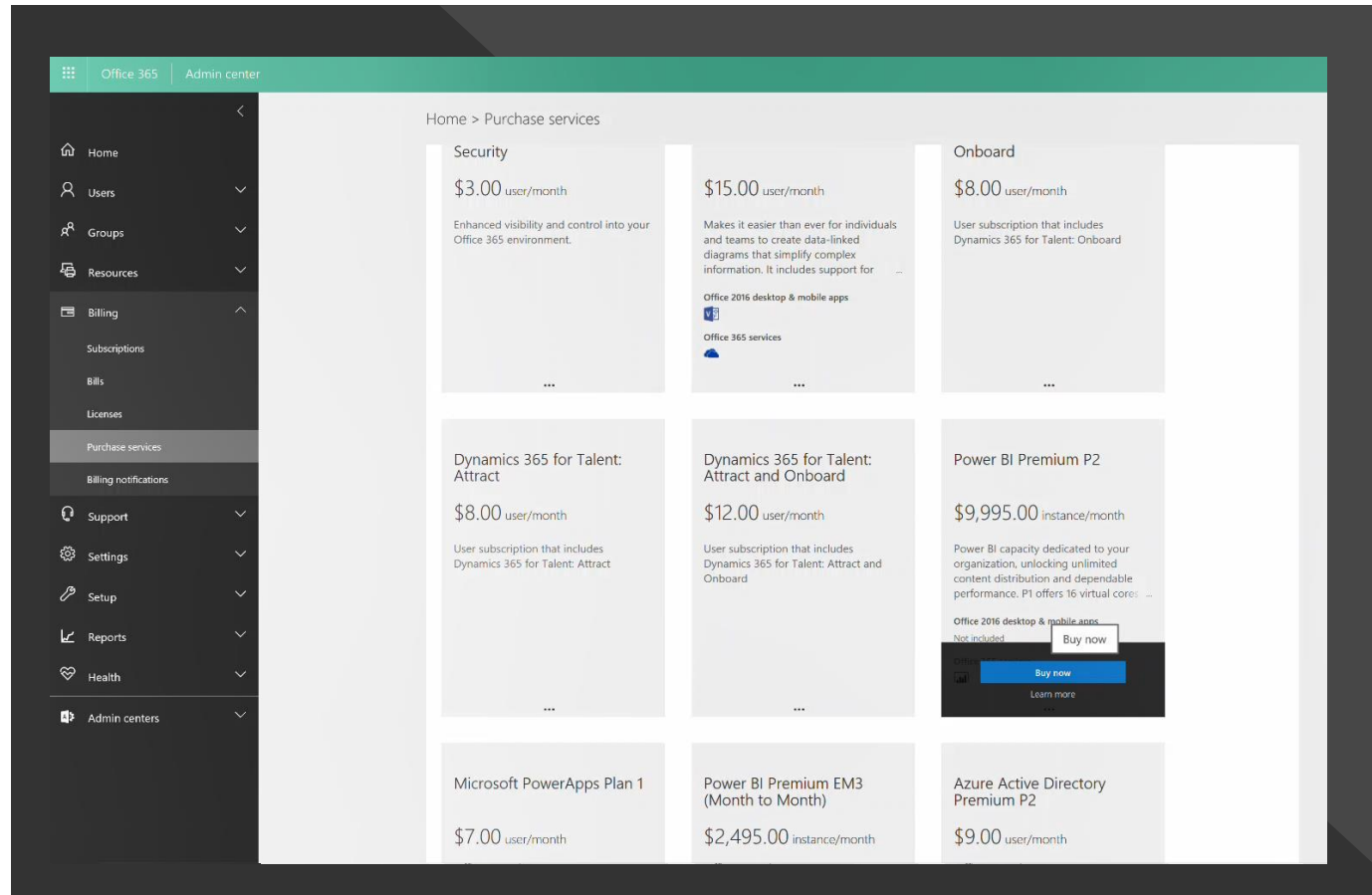
# How Power BI Premium works



# Buy dedicated capacity

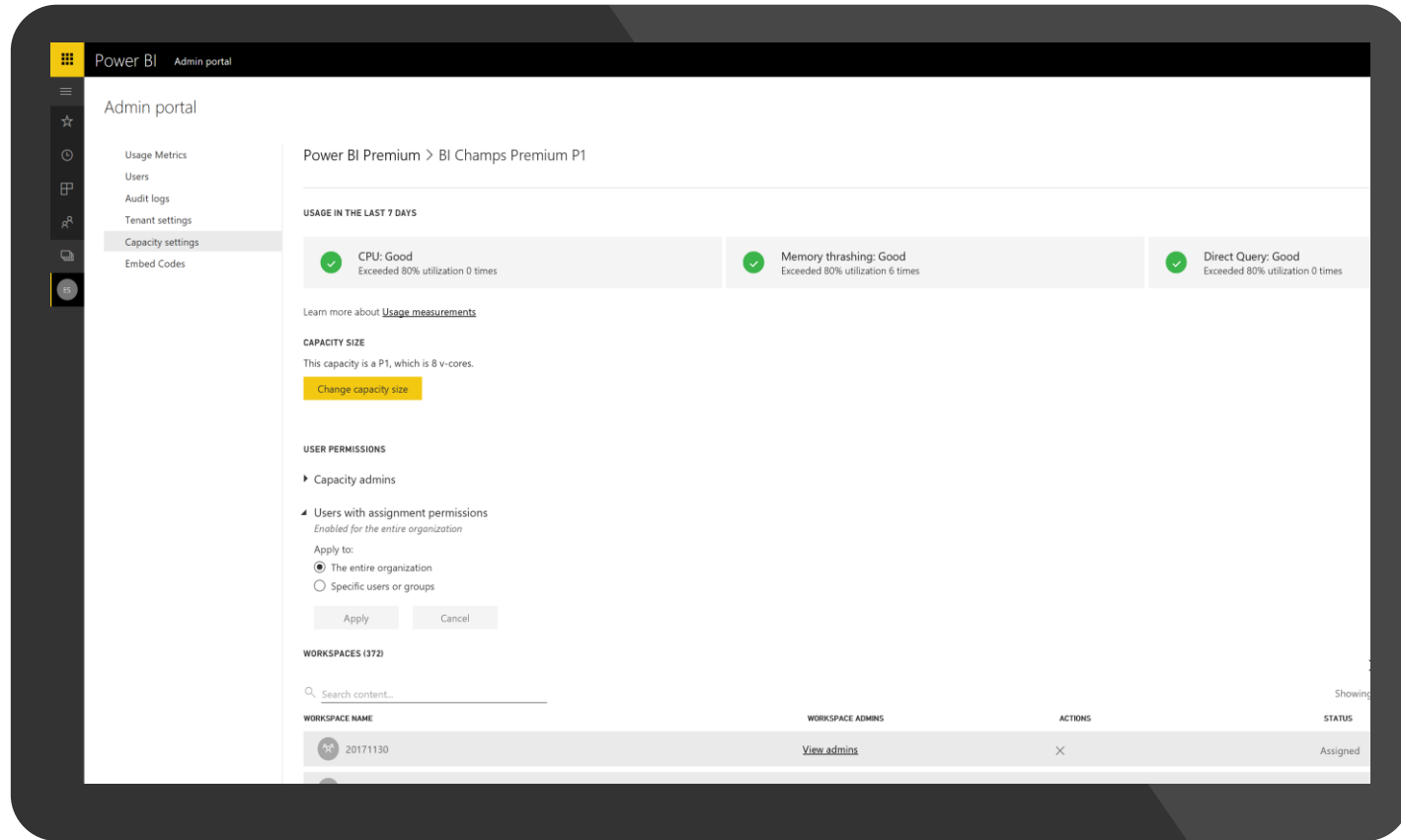
## Securely through the office 365 admin portal

Power BI Premium is purchased via the Office 365 admin portal



# Assign workspaces to your dedicated capacity

## Consistent performance



Allow the entire organization to use Premium capacity

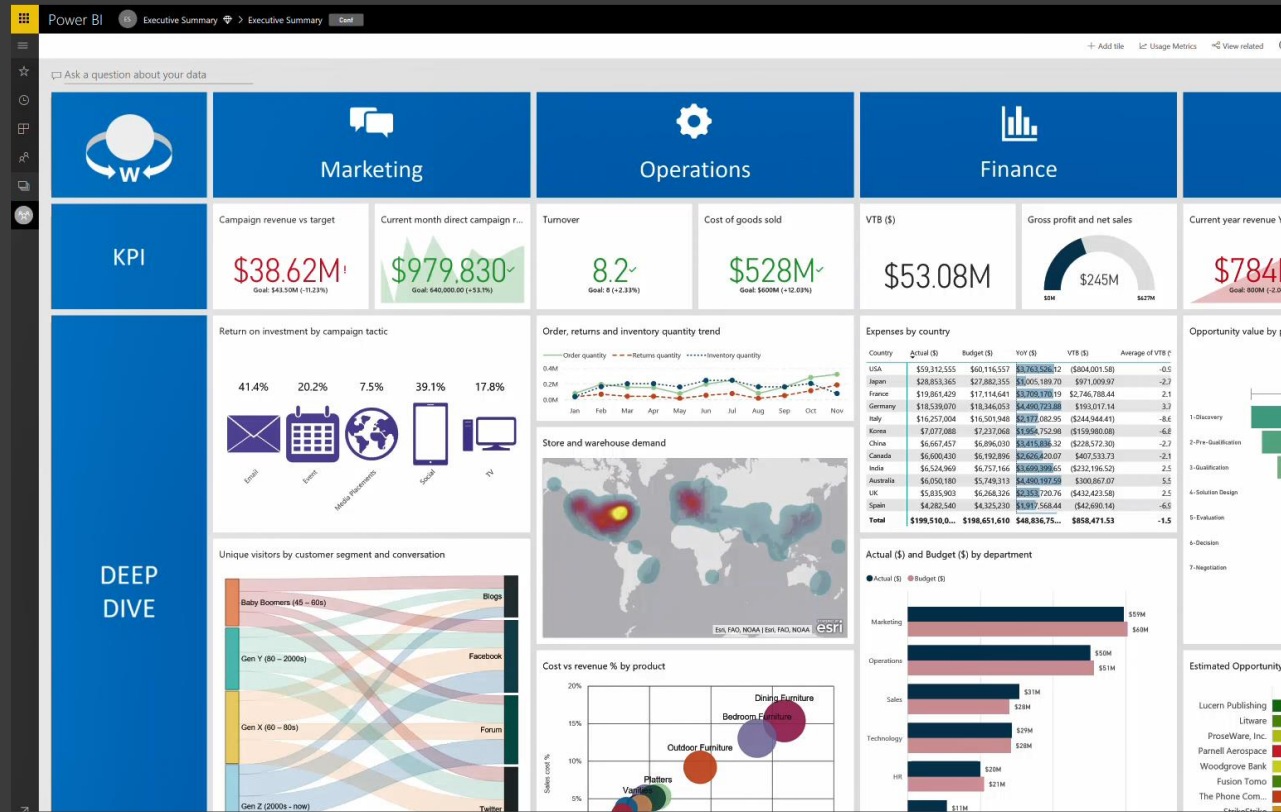
Migrate workspaces for a specifically scoped team of users

All content within migrated workspaces runs on dedicated capacity

# Power BI Apps

## Distribute to all users

Package reports, dashboards and more to specific groups and users



Overview



How does it work?



# Managing Power BI Premium



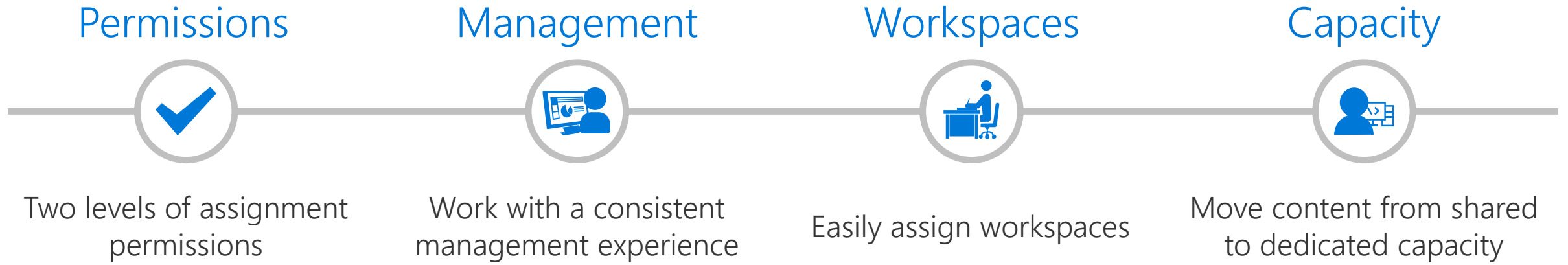
Power BI capability tiers



Summary



# Managing Power BI Premium Content



# Permissions

## Two levels of assignment permissions

### Capacity admins



- Add capacity
- Assign admins
- Granting workspace permissions
- Bulk assign workspaces to capacity
- Remove workspaces from capacity
- Monitor capacity usage

### Power BI Pro user with assignment permissions



- Assign workspaces to capacity
- Grant other Pro users access to their capacity workspace

# Management

Work with a consistent management experience



Same admin portal

New setting for managing capacity

Power BI Admin portal

Admin portal

- Usage Metrics
- Users
- Audit logs
- Tenant settings
- Capacity settings
- Embed Codes

Power BI Premium Power BI Embedded

**V-CORES**  
8 of 8 used 8 v-cores

0 available  
[Learn more about capacity sizes](#)

Set up new capacity

**PREMIUM CAPACITIES**

CAPACITY NAME	CAPACITY ADMIN	ACTIONS	SKU	V-CORES	STATUS
BI Champs Premium P1			P1	8	Active

<https://go.microsoft.com/fwlink/?linkid=857622>



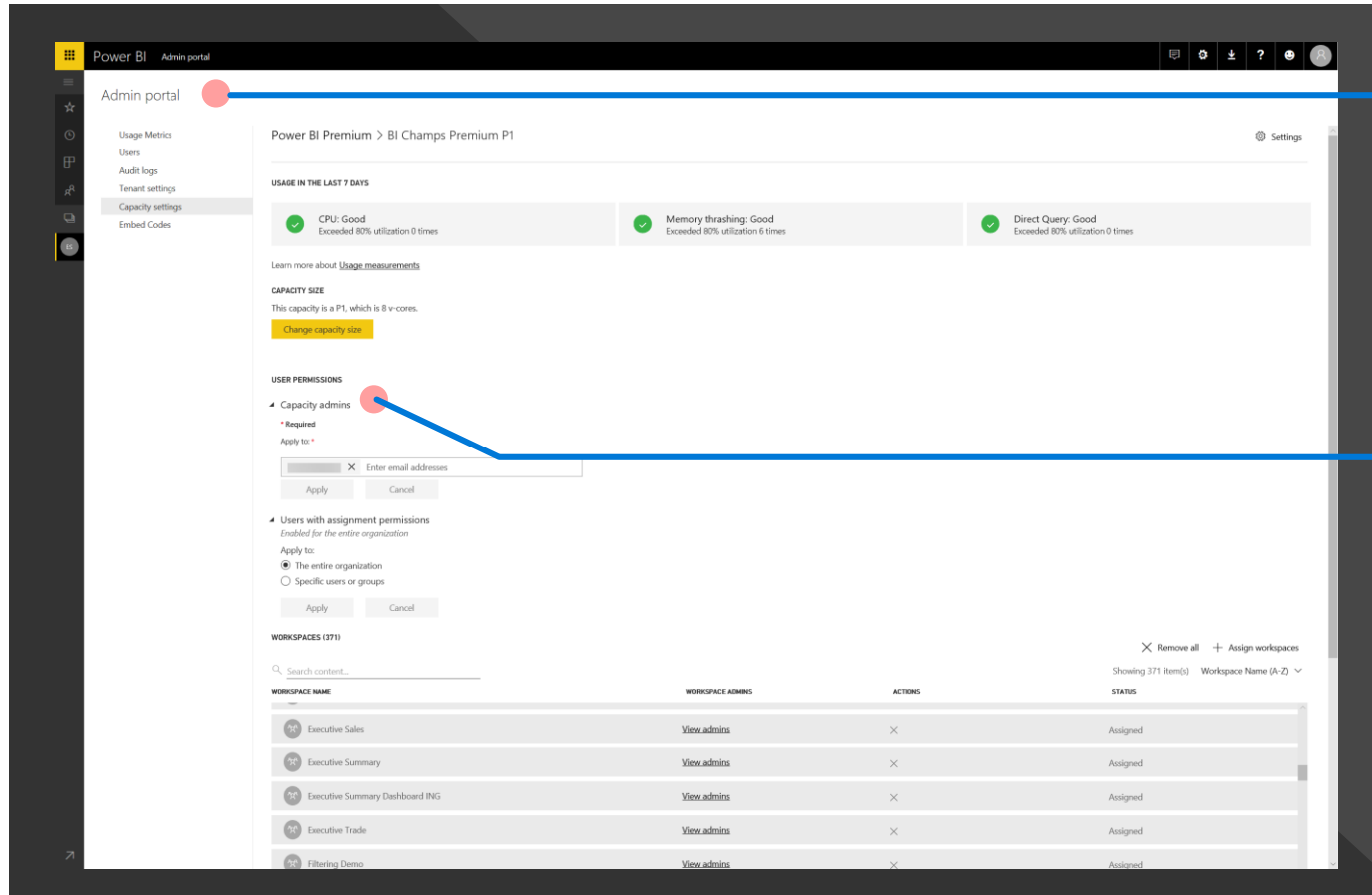
# Management

## Assign admins and capacity owners



All administrative actions for Power BI Premium in one place – the Power BI admin portal

Manage the capacity owner list



# Workspaces

## Assign workspaces to dedicated capacity



Migrate the entire organization workspaces

Migrate specific users' workspaces to capacity

Migrate specific workspaces to capacity

Power BI Admin portal

Admin portal

- Usage Metrics
- Users
- Audit logs
- Tenant settings
- Capacity settings
- Embed Codes

**USER PERMISSIONS**

Capacity admins

**\* Required**

Apply to:

Colin Murphy X Enter email addresses

Apply Cancel

Users with assignment permissions

Enabled for the entire organization

Apply to:

☒ The entire organization

☐ Specific users or groups

Apply Cancel

**WORKSPACES (171)**

Search content...

WORKSPACE NAME	WORKSPACE ADMIN	ACTIONS
Contoso News	View admins	X
Damally Workspace	View admins	X
Danai Ortman	View admins	X
DAVIDLBO-DevAD	View admins	X
December13	View admins	X
Demo	View admins	X
Demo 21.9.	View admins	X
Demo App	View admins	X
Demo PBIPremium	View admins	X
demo1016	View admins	X
DemoLegal	View admins	X

Assign workspaces

BI Champs Premium P1

Apply to:

☐ Workspaces by users

☐ Specific workspaces

☒ The entire organization's workspaces

Assigning the entire organization's workspaces to Premium capacity gives all current and future users the permission to assign individual workspaces to this capacity. This dedicated capacity will become the organization's default capacity. [Learn more](#)

Apply Cancel

# Workspaces

## Remove workspaces



When a workspace is removed, it is moved to the shared capacity.

Content: Reports, Dashboard, Datasets are not deleted.

Power BI Admin portal

Admin portal

- Usage Metrics
- Users
- Audit logs
- Tenant settings
- Capacity settings
- Embed Codes

Power BI Premium > BI Champs Premium P1

USAGE IN THE LAST 7 DAYS

- CPU: Good  
Exceeded 80% utilization 0 times
- Memory thrashing: Good  
Exceeded 80% utilization 6 times
- Direct Query: Good  
Exceeded 80% utilization 0 times

Learn more about [Usage measurements](#)

CAPACITY SIZE

This capacity is a P1, which is 8 v-cores.

[Change capacity size](#)

USER PERMISSIONS

- Capacity admins
- Users with assignment permissions  
Enabled for the entire organization

WORKSPACES (371)

Search content...

WORKSPACE NAME	WORKSPACE ADMIN	ACTIONS	STATUS
Executive Sales	<a href="#">View admins</a>		Assigned
Executive Summary	<a href="#">View admins</a>		Assigned
Executive Summary Dashboard ING			
Executive Trade			
Filtering Demo	<a href="#">View admins</a>		Assigned
Finance Company	<a href="#">View admins</a>		Assigned
Finance Country	<a href="#">View admins</a>		Assigned
Finance Department	<a href="#">View admins</a>		Assigned
Flows Workspace	<a href="#">View admins</a>		Assigned
FoodBI test	<a href="#">View admins</a>		Assigned

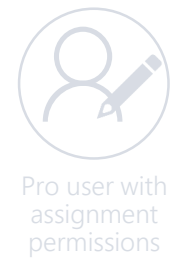
Remove workspace and place it in shared capacity.

Remove all + Assign workspaces

Showing 371 item(s) Workspace Name (A-Z)

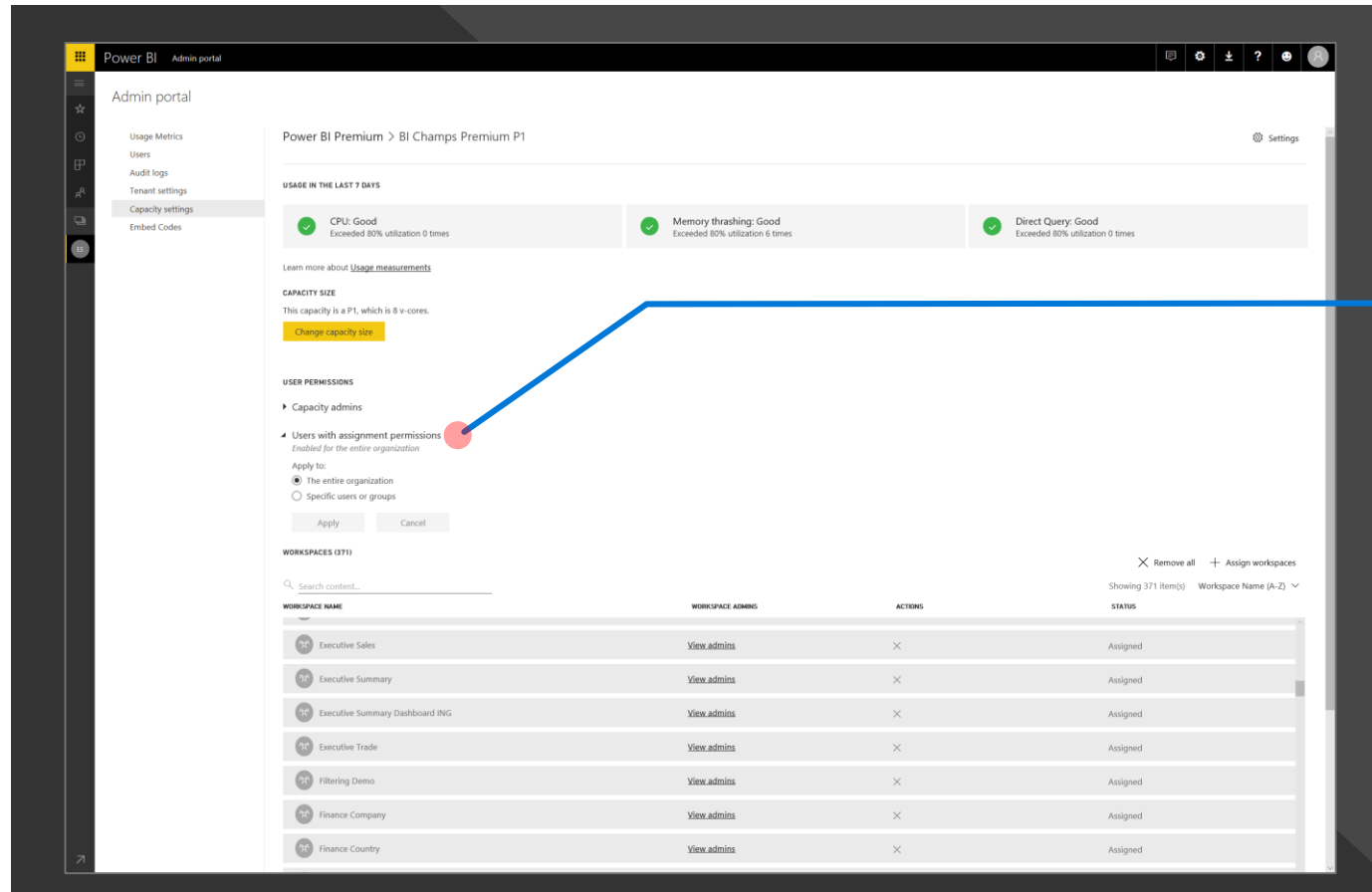
# Workspaces

## Grant workspace permissions



Grant permissions to add additional workspaces to an instance of Power BI Premium for:

- The entire organization
- Specific users



The screenshot shows the Power BI Admin portal for a Premium instance. The left sidebar contains navigation links: Usage Metrics, Users, Audit logs, Tenant settings, Capacity settings (selected), and Embed Codes. The main content area is titled 'Power BI Premium > BI Champs Premium P1'. It displays usage metrics for the last 7 days, capacity size information, and user permissions. Under 'USER PERMISSIONS', the 'Capacity admins' section is expanded, showing 'Users with assignment permissions' with a radio button selected for 'The entire organization'. A blue line connects this section to the text on the right. Below, the 'WORKSPACES (371)' section shows a table of workspaces with columns for Workspace Name, Workspace Admins, Actions, and Status.

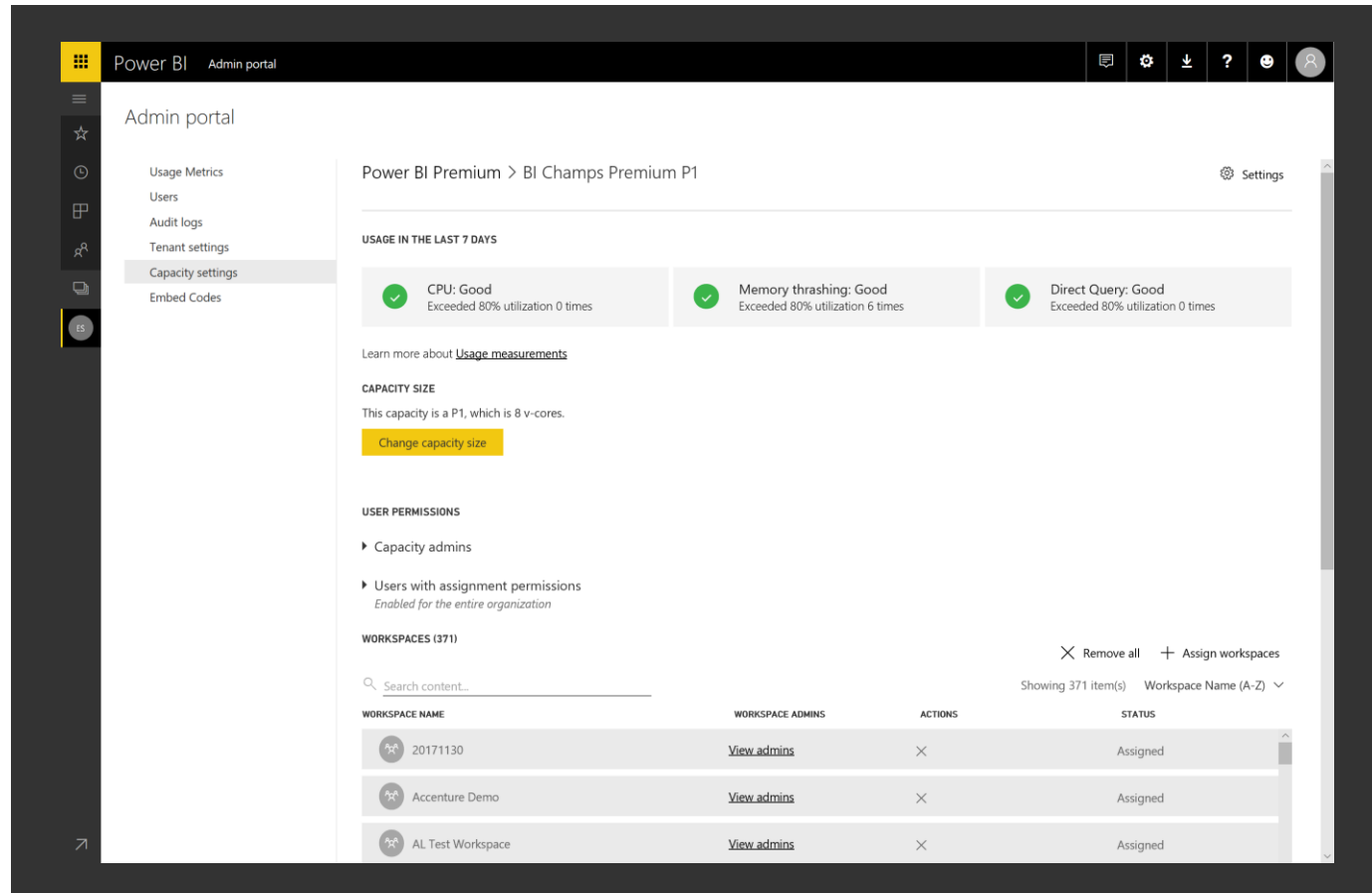
WORKSPACE NAME	WORKSPACE ADMINS	ACTIONS	STATUS
Executive Sales	View admins	×	Assigned
Executive Summary	View admins	×	Assigned
Executive Summary Dashboard ING	View admins	×	Assigned
Executive Trade	View admins	×	Assigned
Filtering Demo	View admins	×	Assigned
Finance Company	View admins	×	Assigned
Finance Country	View admins	×	Assigned

# Capacity

## Monitor capacity usage



Easily visualize the usage of your dedicated capacity from the Power BI admin portal



The screenshot displays the Power BI Admin portal interface. The left sidebar contains navigation links: Usage Metrics, Users, Audit logs, Tenant settings, Capacity settings (selected), and Embed Codes. The main content area is titled 'Power BI Premium > BI Champs Premium P1'. It features a 'USAGE IN THE LAST 7 DAYS' section with three status cards: 'CPU: Good' (0 times exceeded 80% utilization), 'Memory thrashing: Good' (6 times exceeded 80% utilization), and 'Direct Query: Good' (0 times exceeded 80% utilization). Below this is a 'CAPACITY SIZE' section indicating the capacity is a P1 (8 v-cores) with a 'Change capacity size' button. The 'USER PERMISSIONS' section shows 'Capacity admins' and 'Users with assignment permissions' (enabled for the entire organization). The 'WORKSPACES (371)' section includes a search bar and a table of workspace details.

WORKSPACE NAME	WORKSPACE ADMINS	ACTIONS	STATUS
20171130	<a href="#">View admins</a>	×	Assigned
Accenture Demo	<a href="#">View admins</a>	×	Assigned
AL Test Workspace	<a href="#">View admins</a>	×	Assigned

# Capacity

Move content from shared to dedicated capacity



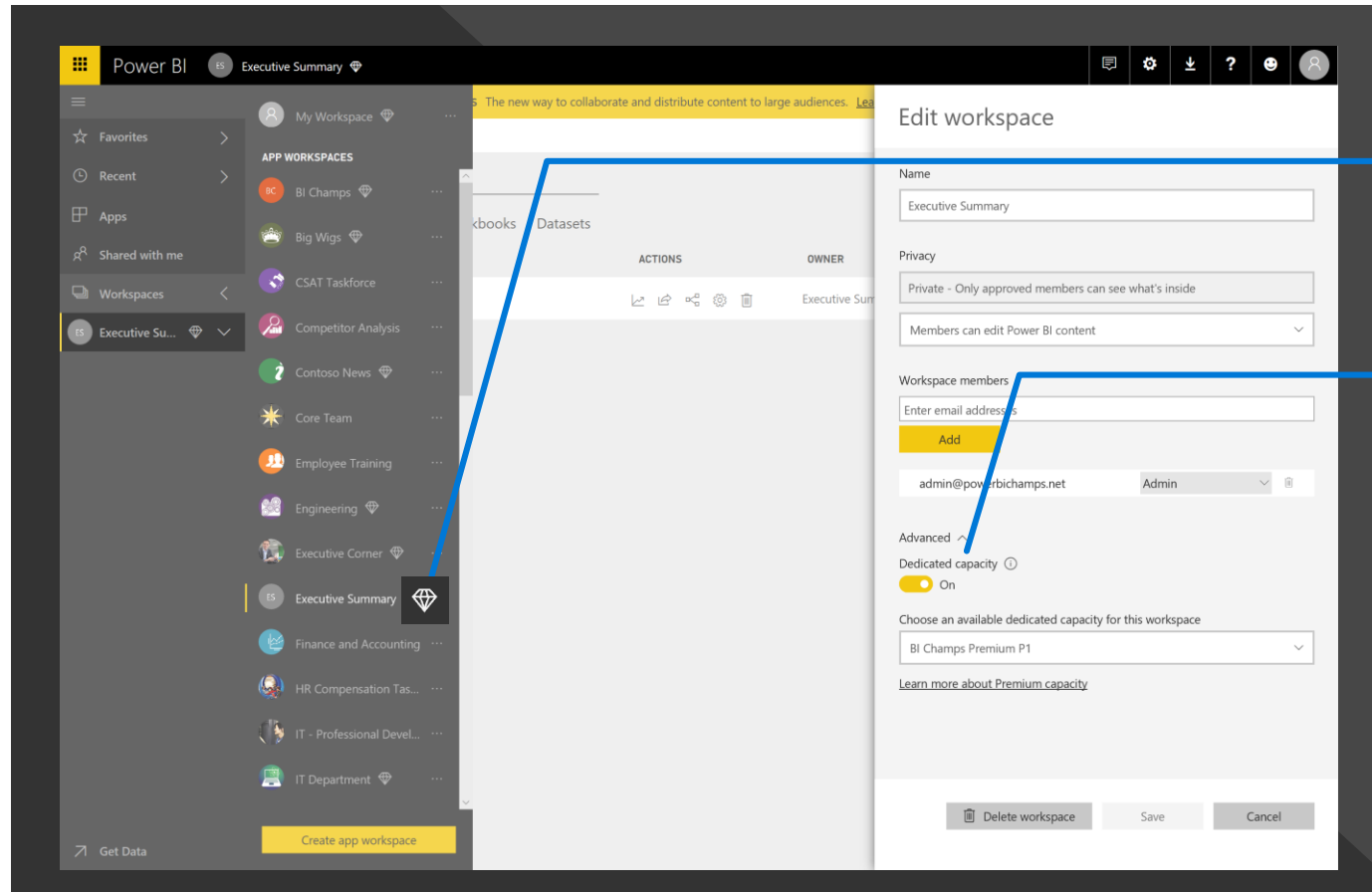
Capacity  
admin



Pro user with  
assignment  
permissions

Easy to identify workspaces with Premium

Easily move content from Capacity to Shared and back again





# Demo



Overview



How does it work?



Managing Power BI Premium



Power BI capability tiers



Summary





# Power BI user license tiers

	Personal user	Pro (\$10/user/month)
Connect to 80+ data sources	✓	✓
Publish to web	✓	✓
Peer-to-peer sharing	✗	✓
Enterprise distribution		
Apps	✗	✓
Email subscriptions	✗	✓
Embed APIs and controls	✗	✓
Collaboration		
Group workspaces	✗	✓
Analyze in Excel, analyze in Power BI Desktop	✗	✓
Support	Community	Phone and Email*

\* For tenant administrators, phone support from Microsoft; for Pro users, email support from Microsoft.

# Power BI capacity tiers

	Pro (shared, \$10/u/m)	Premium (dedicated, \$5k/m)
Total storage size	10 GB	100 TB
Refresh rate	8/day	48/day
Max imported dataset size	1 GB	10 GB
Isolation with dedicated hardware	✗	✓ <sup>1</sup>
Enterprise distribution to Free users		
Apps	✗	✓ <sup>2</sup>
Email subscriptions	✗	✓
Embed APIs and controls	✗	✓ <sup>3</sup>
Power BI reports on-premises	✗	✓

<sup>1</sup> EM3 SKU or higher.

<sup>2</sup> Basic user consumption in apps includes viewing content in web and mobile; using Q&A, Quick Insights, and Cortana; and exporting to Excel, CSV, and PowerPoint.

<sup>3</sup> Embedded SKUs only allow consumption through embedded APIs and controls, NOT apps or email subscriptions.

# Collaboration vs. consumption

	<b>Pro</b> Self-service and collaboration - licensed per user	<b>Premium without Pro</b> Basic consumption - not licensed per user
<b>Total storage size</b>	10 GB	100 TB
<b>Refresh rate</b>	8/day	48/day
<b>Max imported dataset size</b>	1 GB	10 GB
<b>Isolation with dedicated hardware</b>	✗	✓ <sup>1</sup>
<b>Enterprise distribution</b>		
Apps	Create and consume	Consume only <sup>2</sup>
<b>Collaboration</b>		
Edit and save customized views	✓	✗ <sup>3</sup>
Create personal dashboards (pin to new dashboards)	✓	✗ <sup>3</sup>
Connect and analyze data in Excel or Power BI Desktop	✓	✗ <sup>3</sup>
Share and collaborate with Office 365 Groups and Microsoft Teams	✓	✗ <sup>3</sup>

<sup>1</sup> EM3 SKU or higher.

<sup>2</sup> Basic user consumption in apps includes viewing content in web and mobile; using Q&A, Quick Insights, and Cortana; and exporting to Excel, CSV, and PowerPoint.

<sup>3</sup> Collaboration capabilities can be enabled with a Power BI Pro license per user.

Overview



How does it work?



Managing Power BI Premium



Power BI capability tiers



Summary



# Power BI Premium pricing

Node	Virtual cores <sup>1</sup>	Deployment option
Power BI Premium EM1 <sup>3</sup>	1	PaaS
Power BI Premium EM2 <sup>3</sup>	2	PaaS
Power BI Premium EM3 <sup>3</sup>	4	PaaS
Power BI Premium P1	8	SaaS or PaaS
Power BI Premium P2	16	SaaS or PaaS
Power BI Premium P3	32	SaaS or PaaS
Power BI Premium P4 <sup>4</sup>	64	SaaS or PaaS
Power BI Premium P5 <sup>4</sup>	128	SaaS or PaaS

<sup>1</sup> Can use virtual core pooling to allocate capacities. See [this](#) for more information

<sup>2</sup> Yearly commitment. EM3-P1 also available with monthly commitment via Web Direct

<sup>3</sup> EM\* SKUs do not include Power BI Report Server

<sup>4</sup> Coming soon

How to purchase  
Power BI Premium

<https://docs.microsoft.com/en-us/power-bi/service-admin-premium-purchase>

# Capacity sizing guidance

1

Use the Power BI [Premium calculator](#)\*

2

See the [Premium capacity planning and deployment whitepaper](#) for more

The screenshot shows the Power BI Premium calculator web application. The browser address bar displays <https://powerbi.microsoft.com/en-us/calculator/>. The page has a yellow header with the title "Power BI Premium calculator". Below the header, there is a section titled "Tell us about your organization and users" with a subtext "How many total users will have access to Power BI?". A text input field contains the value "5000", and there are "CALCULATE" and "RESET" buttons. Below this, a section titled "How will your users interact with your reports and dashboards?" features a horizontal slider and three categories: "Pro Users" (1,000, 20.00%), "Frequent Users" (1,750, 35.00%), and "Occasional Users" (2,250, 45.00%). Each category has a brief description of user behavior. On the right side, a "Cost estimate" section shows a "Total: \$24,975 per month". It includes a table for "Power BI Pro licenses" with 1,000 units at \$9.99 per user per month, totaling \$9,990. Below that, a table for "Power BI Premium" shows 3 P1 nodes at \$4,995 per node per month, totaling \$14,985. The bottom of the page includes a footer with "Power BI Report Server" and "Included with Power BI Premium".

\*The Premium calculator is based on a P1 node. V-core pooling is available for other node configurations. See [this](#) for more on v-core pooling.

# Additional Resources

Power BI Premium click through demo

<https://aka.ms/pbipremclickthru>

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Power BI Premium whitepaper

<https://aka.ms/pbipremiumwhitepaper>

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Power BI Premium calculator

<https://powerbi.microsoft.com/en-us/calculator/>

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Documentation

<https://docs.microsoft.com/en-us/power-bi/service-premium>

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Power BI Premium support for large datasets

<https://powerbi.microsoft.com/en-us/blog/announcing-power-bi-premium-support-for-larger-datasets/>

It's easy to get started...

# PowerBI.com







# Questions