

# Distributing Content using App Workspaces



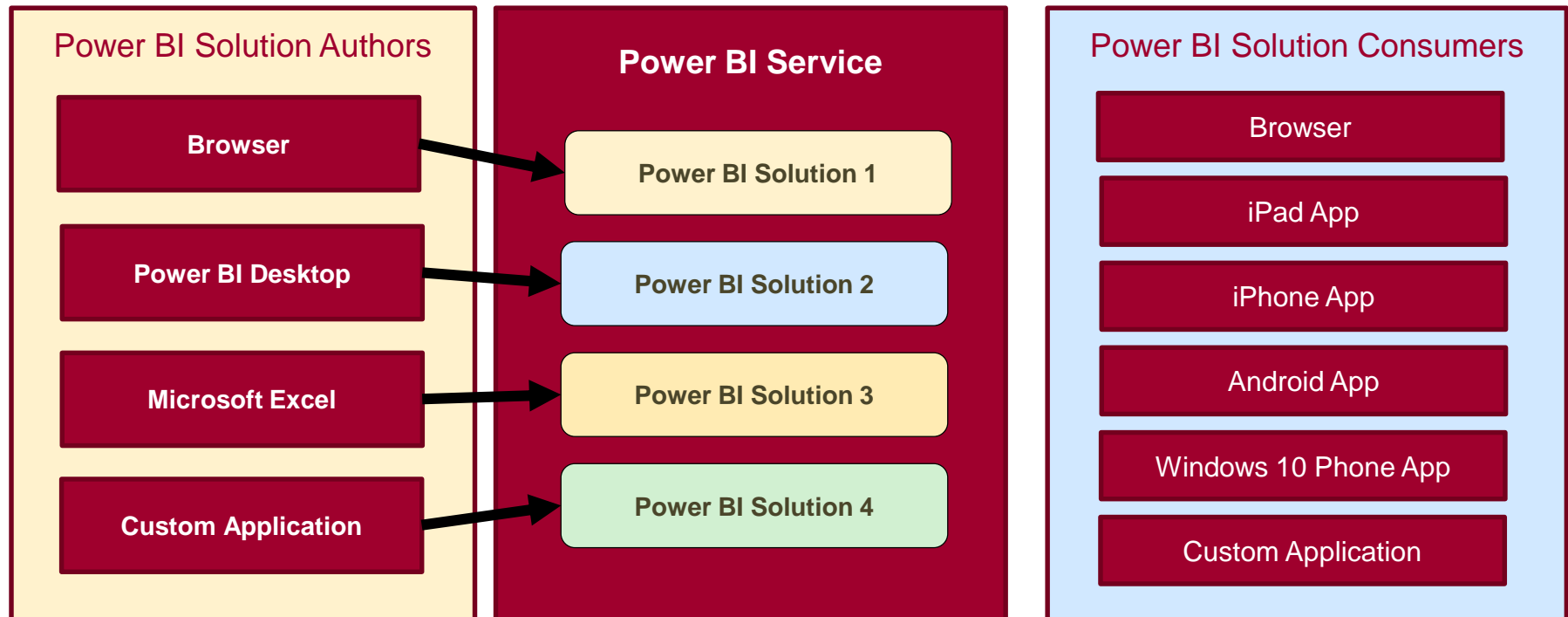
# Agenda

- Content Distribution in Power BI
  - App Workspaces
  - Publishing Apps
  - Dedicated Capacities



# Power BI Authors and Consumers

- Power BI support for authors and consumers
  - BI solution authors have a choice in authoring tools
  - BI solutions consumers can use wide range of devices

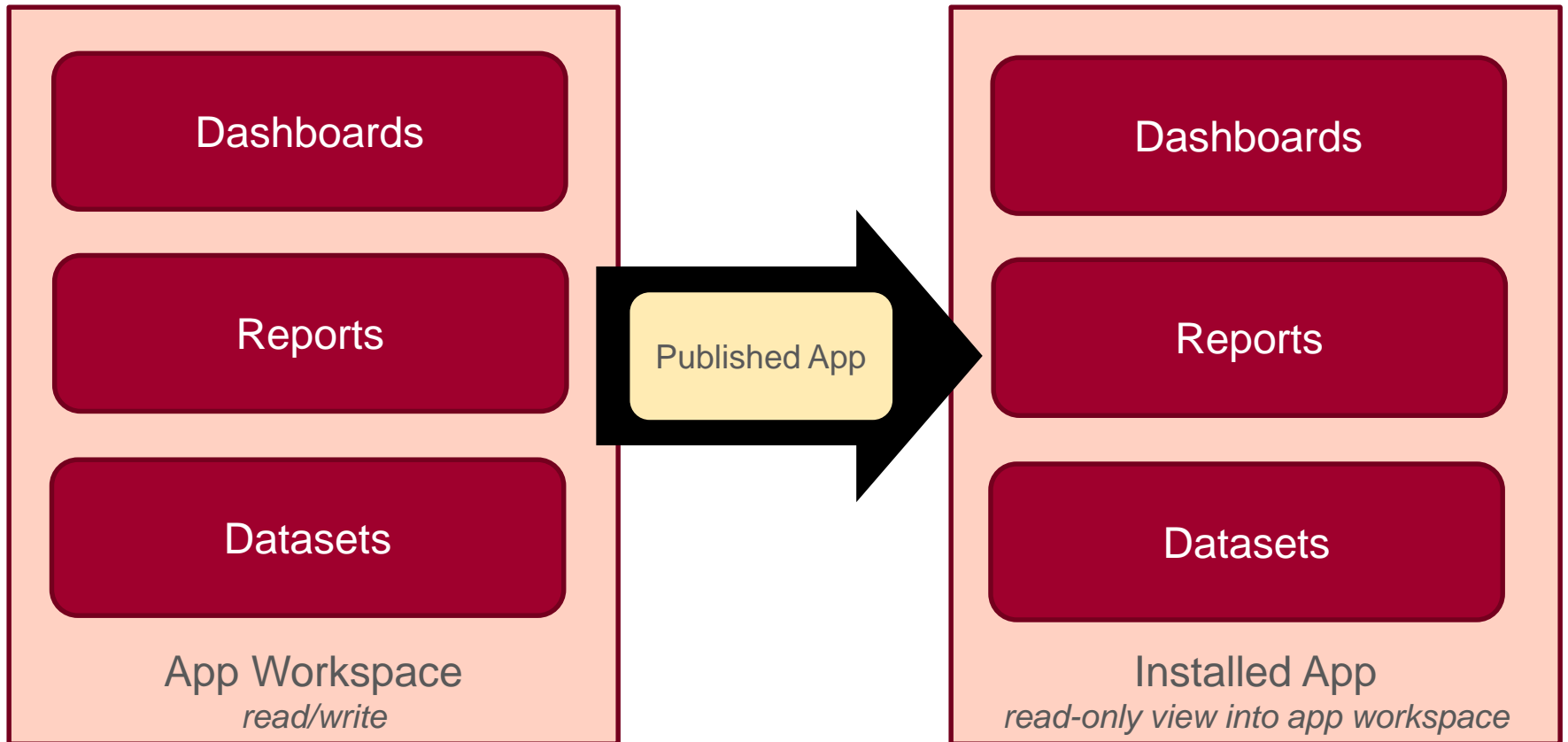


# Distributing a Custom Solution

- Strategies for sharing reports and dashboards
  - Dashboard sharing and report sharing
  - Read-only App Workspaces
  - Organization Content Packs (supports staged updates)
  - Power BI Apps (supports staged updates)



# App Distribution Model



# Agenda

- ✓ Content Distribution in Power BI
- App Workspaces
  - Publishing Apps
  - Dedicated Capacities



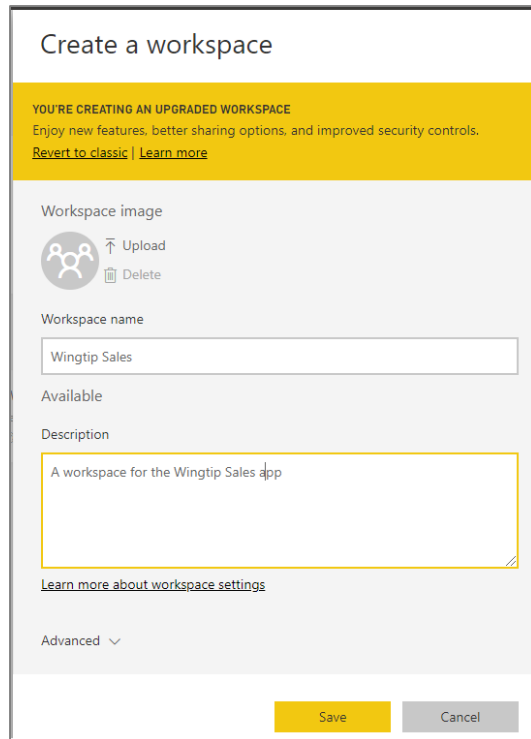
# What Exactly is an App Workspace?

- App Workspace is Power BI resource container
  - Provides storage for datasets, reports and dashboards
- V1 App Workspace created as Office 365 Group
  - Requires provisioning SharePoint team site
  - V1 workspace have been deprecated
- V2 App workspaces released in June of 2019
  - Created without Office 365 group or SharePoint site
  - Provides flexibility in assigning members using groups



# Solution Deployment using App Workspaces

- App workspaces used to deploy custom solutions
  - App workspaces required for team-based development
  - App workspace can be secured using private membership
  - App workspace used to publish apps for licensed users



The screenshot shows a 'Create a workspace' dialog box. At the top, it says 'Create a workspace'. Below this is a yellow banner with the text 'YOU'RE CREATING AN UPGRADED WORKSPACE' and 'Enjoy new features, better sharing options, and improved security controls.' with links 'Revert to classic' and 'Learn more'. The main form area has a 'Workspace image' section with an 'Upload' button and a 'Delete' button. Below that is a 'Workspace name' text input field containing 'Wingtip Sales'. There is an 'Available' checkbox which is checked. A 'Description' text area contains the text 'A workspace for the Wingtip Sales app'. At the bottom left of the form is a link 'Learn more about workspace settings'. Below the form is an 'Advanced' dropdown menu. At the very bottom are 'Save' and 'Cancel' buttons.

Create a workspace

YOU'RE CREATING AN UPGRADED WORKSPACE  
Enjoy new features, better sharing options, and improved security controls.  
[Revert to classic](#) | [Learn more](#)

Workspace image

Upload  
Delete

Workspace name

Wingtip Sales

Available

Description

A workspace for the Wingtip Sales app

[Learn more about workspace settings](#)

Advanced ▾

Save Cancel





# Agenda

- ✓ Content Distribution in Power BI
- ✓ App Workspaces
- Publishing Apps
- Power BI Premium





**DEMO**

# **Publishing an App Workspace and Installing a Power BI App**

# Agenda

- ✓ Content Distribution in Power BI
- ✓ App Workspaces
- ✓ Publishing Apps
- Power BI Premium



# Dedicated Capacities

- Power BI workspaces run in two possible environments
  - Shared Capacities
  - Dedicated Capacities (*also known as premium capacities*)
- Dedicated capacity usually acts as dedicated resource
  - Premium capacity only used by single organization
  - PBIX file uploads not limited to 1GB
  - Data refresh frequency can exceed 8 times per day
  - Each premium capacity defines its own set of admins
  - *Dedicated capacity required to share with users w/o pro license*



# Power BI Licensing

- User-based licensing

Power BI (free)	Power BI Pro	Office 365 Enterprise E5
\$0.00 user/month	\$9.99 user/month	\$35.00 user/month
A cloud-based business analytics service that enables anyone to visualize and analyze data with greater speed, efficiency, and understanding. It ...	A cloud-based business analytics service that enables anyone to visualize and analyze data with greater speed, efficiency, and understanding. Power ...	The Office suite, plus email, instant messaging, HD video conferencing, 1 TB personal file storage and sharing, and advanced security, analytics and PSTN ...
Office 2016 desktop & mobile apps Not included	Office 2016 desktop & mobile apps Not included	Office 2016 desktop & mobile apps
Office 365 services	Office 365 services	Office 365 services
...	...	...

- Capacity-based Licensing

Power BI Premium P1	Power BI Premium P2	Power BI Premium P3	Power BI Premium EM3 (Month to Month)
\$4,995.00 instance/month	\$9,995.00 instance/month	\$19,995.00 instance/month	\$2,495.00 instance/month
Power BI capacity dedicated to your organization, unlocking unlimited content distribution and dependable performance. P1 offers 8 virtual cores ...	Power BI capacity dedicated to your organization, unlocking unlimited content distribution and dependable performance. P1 offers 16 virtual cores ...	Power BI capacity dedicated to your organization, unlocking unlimited content distribution and dependable performance. P1 offers 32 virtual cores ...	Embed Power BI content in your custom application, powered by 4 virtual cores of dedicated capacity. Some Premium features are disabled ...
Office 2016 desktop & mobile apps Not included	Office 2016 desktop & mobile apps Not included	Office 2016 desktop & mobile apps Not included	Office 2016 desktop & mobile apps Not included
Office 365 services	Office 365 services	Office 365 services	Office 365 services
...	...	...	...





# Premium Capacity Nodes

- Power BI Premium Purchased using Nodes
  - Node type defines v-core and RAM capabilities
  - P nodes used for embedded or service deployments
  - EM nodes used only for embedded deployments

Capacity Node	Total cores	Backend Cores	Frontend Cores	Direct Query Limits	Page renders/hour
EM1	1 v-cores	.5 cores, 3GB RAM	.5 cores		1-300
EM2	2 v-cores	1 core, 5GB RAM	1 core		301-600
EM3	4 v-cores	2 cores, 10GB RAM	2 cores		601-1,200
P1	8 v-cores	4 cores, 25GB RAM	4 cores	30 per second	1,201-2,400
P2	16 v-cores	8 cores, 50GB RAM	8 cores	60 per second	2,401-4,800
P3	32 v-cores	16 cores, 100GB RAM	16 cores	120 per second	4,801-9600



# Managing Premium Capacities

The screenshot displays the Power BI Admin portal interface. On the left is a dark sidebar with navigation options: Favorites, Recent, Apps, Shared with me, Workspaces, and My Workspace (selected). The main content area is titled 'Admin portal' and contains a sub-menu with 'Usage Metrics', 'Users', 'Audit logs', 'Tenant settings', and 'Capacity settings' (highlighted). The 'Capacity settings' section shows tabs for 'Power BI Premium' (active) and 'Power BI Embedded'. Under 'Power BI Premium', a 'V-CORES' section shows a progress bar for '8 of 8 used' out of '8 v-cores' available, with '0 available' remaining. A link to 'Learn more about capacity sizes' and a 'Set up new capacity' button are present. Below this is a table titled 'PREMIUM CAPACITIES' with columns for Capacity Name, Capacity Admins, Actions, SKU, V-Cores, and Status.

CAPACITY NAME	CAPACITY ADMINS	ACTIONS	SKU	V-CORES	STATUS
Capacity P1 #1 8GB model	datachant, djeepy1, gastoncruz, h... + 1 more		P1	8	Active



# Managing Capacities and App Workspaces

- App Workspace in Premium Capacity has diamond icon



- App workspace moved into Premium capacity in Advanced settings





# Managing Power BI Premium Capacities

The screenshot displays the Power BI Admin portal interface. On the left is a dark sidebar with navigation options: Favorites, Recent, Apps, Shared with me, Workspaces, and My Workspace (selected). The main content area is titled 'Admin portal' and contains a list of settings: Usage metrics, Users, Audit logs, Tenant settings, Capacity settings (highlighted), Embed Codes, and Organization visuals. A large white arrow points from the 'Capacity settings' menu item to the 'Power BI Premium' tab in the main content area. The 'Power BI Premium' tab is active, showing a progress bar for 'V-CORES' with the text '8 of 8 used' and '8 v-cores'. Below the progress bar, it indicates '0 available' and provides a link to 'Learn more about capacity sizes'. A button labeled 'Set up new capacity' is also visible. At the bottom, a table titled 'PREMIUM CAPACITIES' lists existing capacities.

CAPACITY NAME	CAPACITY ADMINS	ACTIONS	SKU	V-CORES
Capacity P1 #1 8GB budget, da... + 3 more			P1	8



# Associating Workspaces with Capacities

## Edit workspace

Name

Privacy

Private - Only approved members can see what's inside

Members can edit Power BI content ▾

Workspace members

Enter email addresses

Add

chass@powerbimvps.onmicrosoft.com	Admin	▾	🗑
criticalpathuser123@powerbimvps.on...	Admin	▾	🗑
tedp@powerbimvps.onmicrosoft.com	Admin	▾	🗑

Advanced ^

Dedicated capacity ⓘ

☒ On

Choose an available dedicated capacity for this workspace

Capacity P1 #1 8GB model ▾



# Summary

- ✓ Content Distribution in Power BI
- ✓ App Workspaces
- ✓ Organizational Content Packs
- ✓ Publishing Apps
- ✓ Power BI Premium

