Publishing Content using App Workspaces
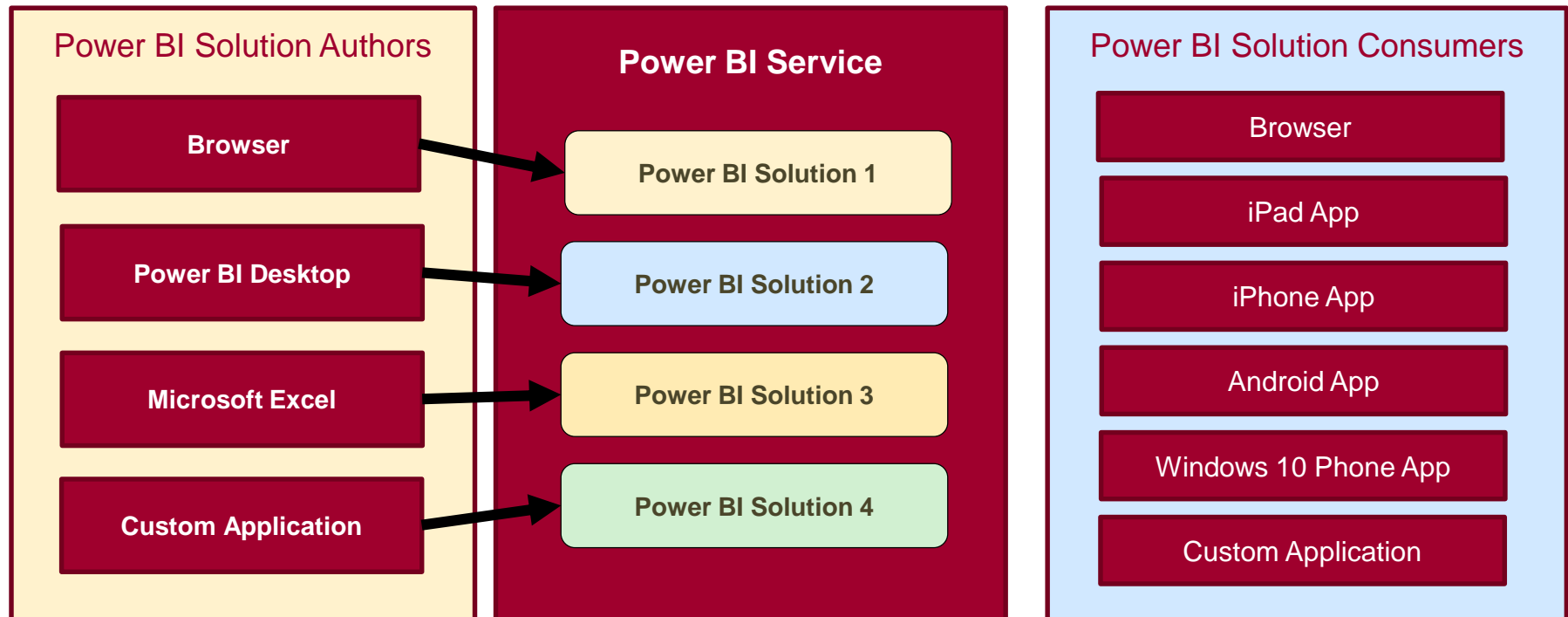
Agenda

➢ Content Distribution in Power BI

• App Workspaces

• Publishing Apps

• Power BI Premium

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

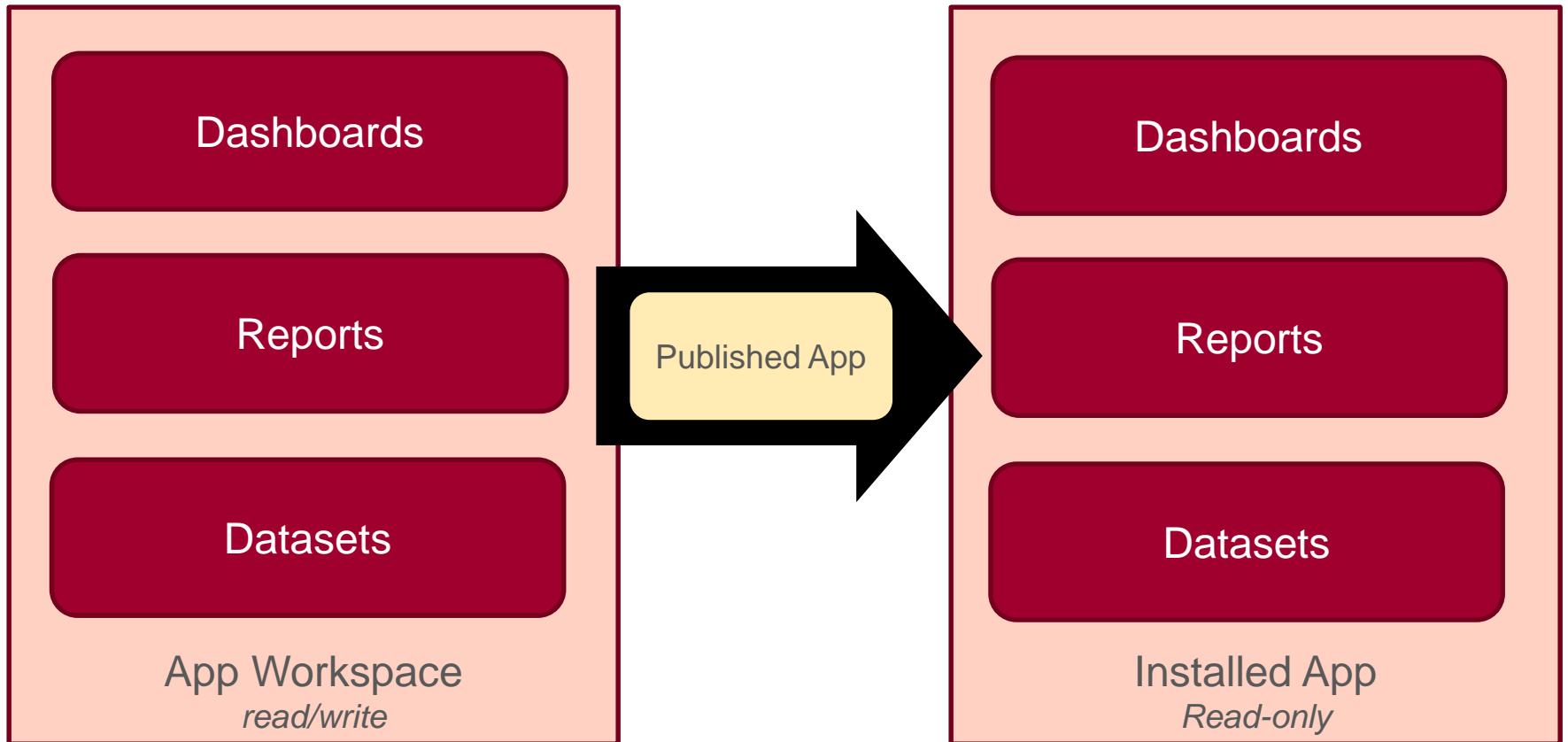| Power BI Solution Authors	Power BI Service	Power BI Solution Consumers
Browser	Power BI Solution 1	Browser
Power BI Desktop	Power BI Solution 2	iPad App
Microsoft Excel	Power BI Solution 3	iPhone App
Custom Application	Power BI Solution 4	Android App
		Windows 10 Phone App
		Custom Application

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)

New Distribution Model

Dashboards

Reports

Datasets

App Workspace
read/write

Published App

Dashboards

Reports

Datasets

Installed App
Read-only

Agenda

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

Understanding App Workspaces

- App workspaces required for team-based development
  - Assets in personal workspaces can only be edited by one person
  - Assets in app workspace can be edited by multiple team members

- App workspaces provide secure, updatable deployment
  - App workspace can be secured using private membership

- App workspaces central to mainstream distribution model
  - App workspace and its content is published as a Power BI app
  - Power BI app can be installed by content consumers
  - Power BI app content consumable via browser and mobile apps

Creating an App Workspace

- You create app workspace using browser
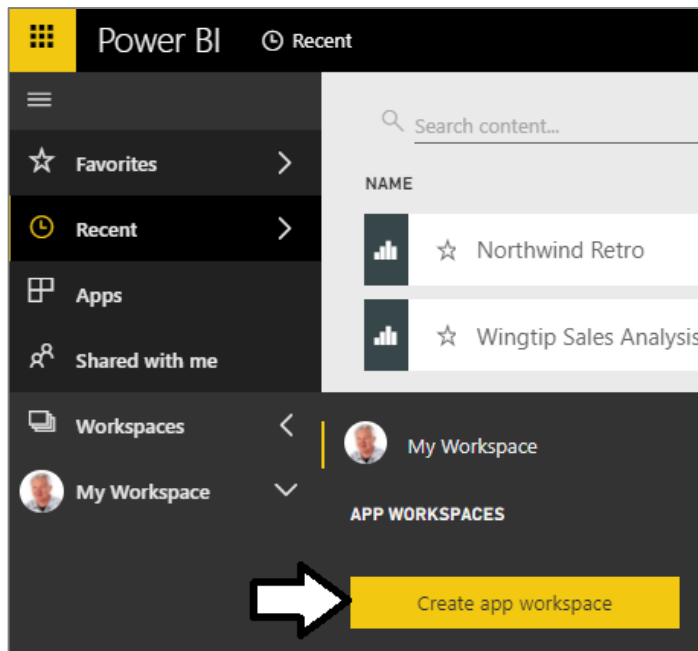
App Workspace Settings

- ## Name
- ## Private or Public
  - Private is the norm
- ## Editable or Read-only
  - Setting only applies to members
  - Admins can always edit content
- ## Membership
  - Admins can edit membership
  - Members can edit content

Create an app workspace

Name your workspace

My First App Workspace

Workspace ID

myfirstappworkspace

🖉 Available

Private - Only approved members can see what's inside ▾

Members can edit Power BI content ▾

Add workspace members

Enter email addresses

Add

tedp@pbirox.onmicrosoft.com	Admin	▾	🗑
austinp@pbirox.onmicrosoft.com	Member	▾	🗑
maxwells@pbirox.onmicrosoft.com	Member	▾	🗑

Save   Cancel

App Workspace - Behind the Scenes

- App Workspace created as Office 365 Group
  - Acts as both a security group and distribution list
  - Requires provisioning SharePoint team site
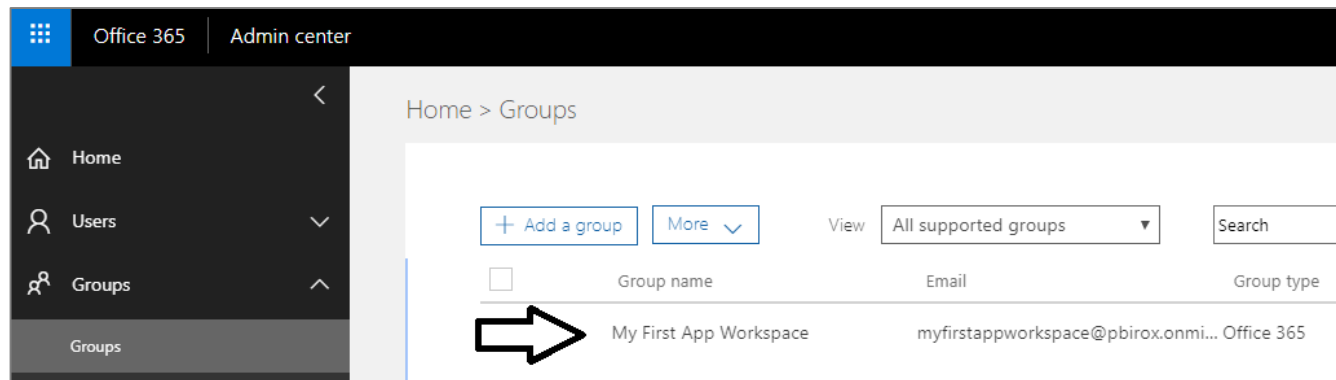
App Workspace – The Office 365 Group

- Office 365 group provisions SharePoint team site
  - Accessible to workspace members users through Outlook Online
    - Provides conversations, files, calendar, OneNote Notebook, etc.

Agenda

- ✓ Content Distribution in Power BI
- ✓ App Workspaces
- ➢ Publishing Apps
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Central Power BI Concepts

Workspaces >

WS **Wingtip Sales Analysis** ∧

DASHBOARDS
Sales Performance Dashboard

REPORTS
Wingtip Sales Analysis

WORKBOOKS
You have no workbooks

DATASETS
Wingtip Sales Analysis
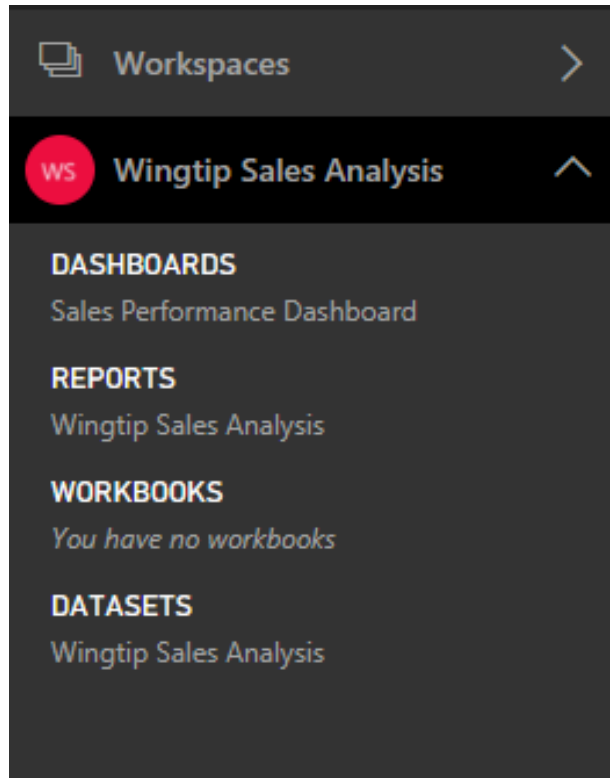
- Workspace
  - Provides user context and asset container
  - Every user has personal workspace
  - Team development requires app workspaces

- Dashboard
  - Consolidated view into reports and datasets
  - Custom solution entry point for mobile users

- Report
  - Collection of pages with tables & visualizations
  - Provides interactive control of filtering

- Dataset
  - Data model containing one or more tables
  - Can be very simple or very complex

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

Creating an App Workspace

DEMO

Publishing an App Workspace and Installing a Power BI App

Agenda

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

Premium Capacities

- Power BI workspaces run in two possible environments
  - Shared Capacities
  - Premium Capacities *(formerly known as dedicated capacities)*

- Premium capacity 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
  - *Premium capacity required to share with users without pro license*

Power BI Licensing

- ## User-based licensing
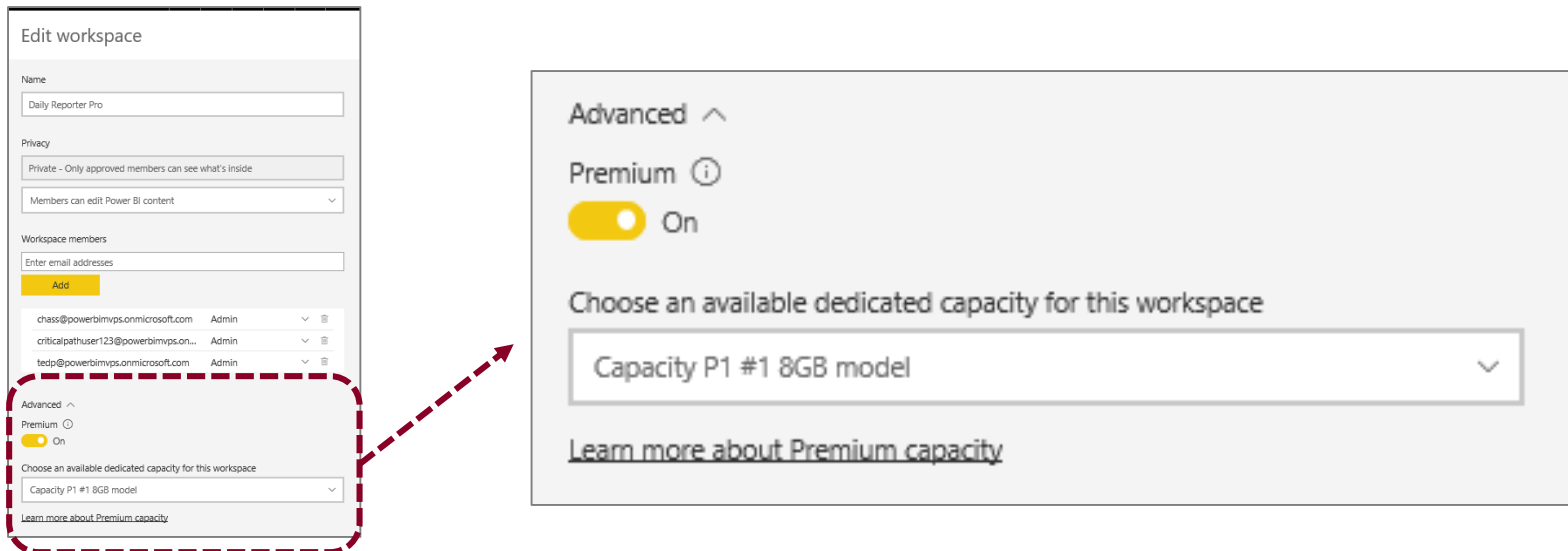

- ## Capacity-based Licensing

Managing Capacities and App Workspaces

- App Workspace in Premium Capacity has diamond icon
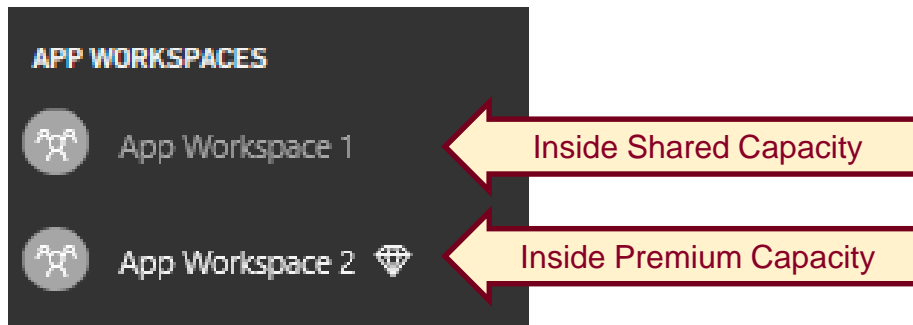
- App workspace moved into Premium capacity in Advanced settings

Dedicated Capacities

- Power BI workspaces run in two possible environments
  - Shared capacities
  - Dedicated capacities

- Dedicated capacity required for third party embedding
  - Customer pays capacity-based fee for processors cores and RAM
  - No need to pay Microsoft for user licenses

- Dedicated capacities come in two flavors
  - Power BI Premium capacities purchased through Office 365 SKU
  - Power BI Embedded capacities purchased through Azure SKU

Managing Power BI Premium Capacities

Summary

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