Distributing Content using App Workspaces
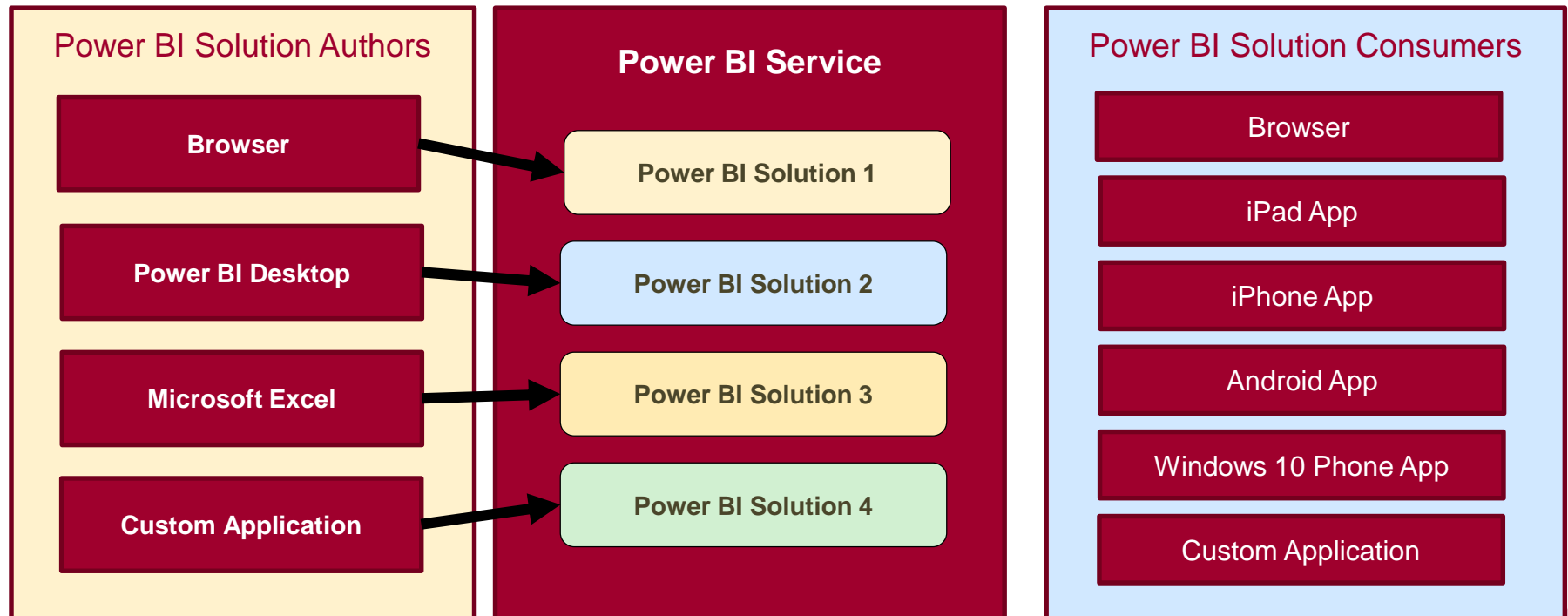
Agenda

➢ 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

- Browser
- Power BI Desktop
- Microsoft Excel
- Custom Application

Power BI Service

- Power BI Solution 1
- Power BI Solution 2
- Power BI Solution 3
- Power BI Solution 4

Power BI Solution Consumers

- Browser
- iPad App
- iPhone App
- Android App
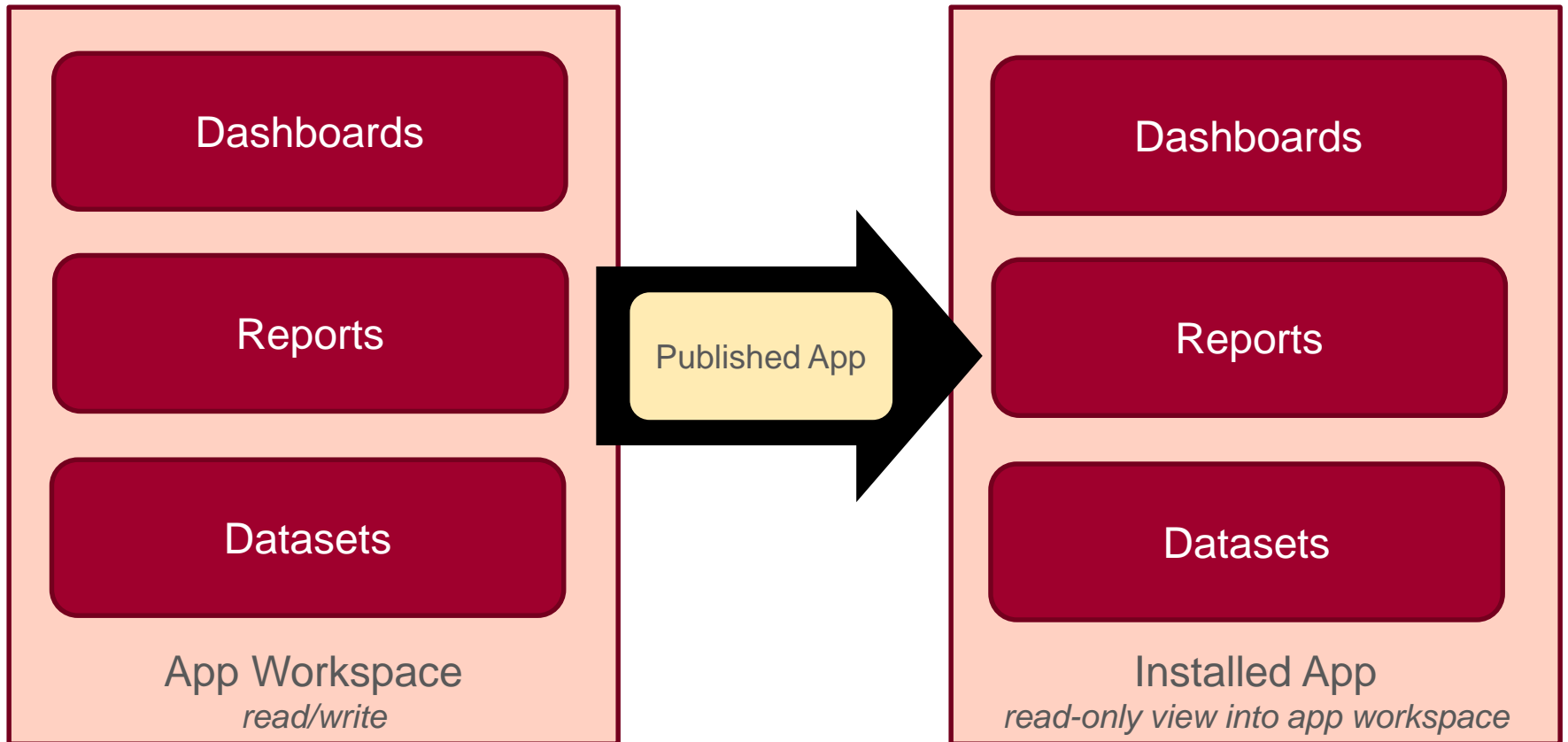- Windows 10 Phone App
- Custom Application

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)

App Distribution Model

App Workspace
read/write

- Dashboards
- Reports
- Datasets

Published App

Installed App
read-only view into app workspace

- Dashboards
- Reports
- Datasets

Agenda

- ✓ Content Distribution in Power BI
- ➤ App Workspaces
- • Publishing Apps
- • Power BI Premium
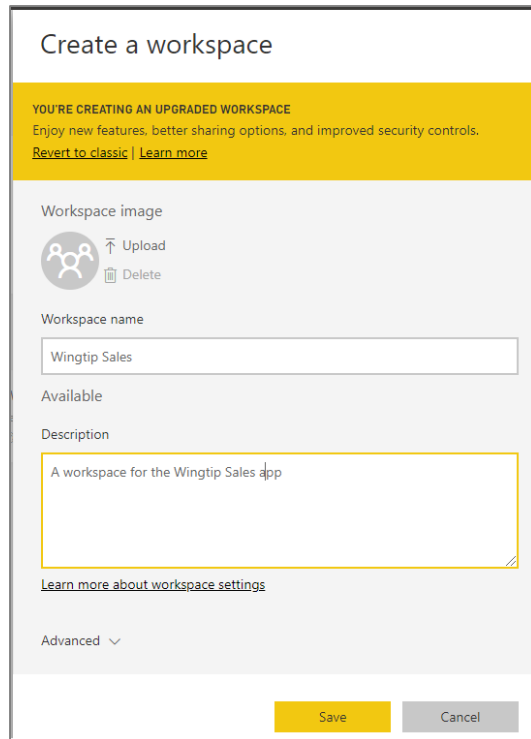
What Exactly is an App Workspace?

- 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

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)

$0.00 user/month

A cloud-based business analytics service that enables anyone to visualize and analyze data with greater speed, efficiency, and understanding. It ...

Office 2016 desktop & mobile apps
Not included

Office 365 services

...

Power BI Pro

$9.99 user/month

A cloud-based business analytics service that enables anyone to visualize and analyze data with greater speed, efficiency, and understanding. Power ...

Office 2016 desktop & mobile apps
Not included

Office 365 services

...

Office 365 Enterprise E5

$35.00 user/month

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

Office 365 services

...

- ## Capacity-based Licensing

Power BI Premium P1

$4,995.00 instance/month

Power BI capacity dedicated to your organization, unlocking unlimited content distribution and dependable performance. P1 offers 8 virtual cores ...

Office 2016 desktop & mobile apps
Not included

Office 365 services

...

Power BI Premium P2

$9,995.00 instance/month

Power BI capacity dedicated to your organization, unlocking unlimited content distribution and dependable performance. P1 offers 16 virtual cores ...

Office 2016 desktop & mobile apps
Not included

Office 365 services

...

Power BI Premium P3

$19,995.00 instance/month

Power BI capacity dedicated to your organization, unlocking unlimited content distribution and dependable performance. P1 offers 32 virtual cores ...

Office 2016 desktop & mobile apps
Not included

Office 365 services

...

Power BI Premium EM3 (Month to Month)

$2,495.00 instance/month

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 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

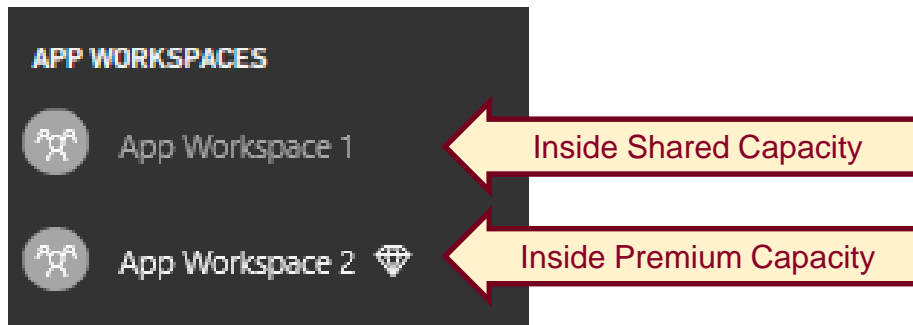| Capacity Node	Total cores	Backend Cores	Frontend Cores	Direct Query Limits	Page renders/hour
EM1	1 v-cores	.5 cores, 3GB RAM	.5 cores		1-300
EM2	2 v-cores	1 core, 5GB RAM	1 core		301-600
EM3	4 v-cores	2 cores, 10GB RAM	2 cores		601-1,200
P1	8 v-cores	4 cores, 25GB RAM	4 cores	30 per second	1,201-2,400
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

Managing Capacities and App Workspaces

- App Workspace in Premium Capacity has diamond icon

APP WORKSPACES

App Workspace 1 — Inside Shared Capacity

App Workspace 2 ◆ — Inside Premium Capacity

- App workspace moved into Premium capacity in Advanced settings

Edit workspace

Name
Daily Reporter Pro

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 ∧
Premium ⓘ
On
Choose an available dedicated capacity for this workspace
Capacity P1 #1 8GB model
Learn more about Premium capacity

Advanced ∧
Premium ⓘ
On

Choose an available dedicated capacity for this workspace
Capacity P1 #1 8GB model

Learn more about Premium capacity

Managing Power BI Premium Capacities

Associating Workspaces with Capacities

Summary

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