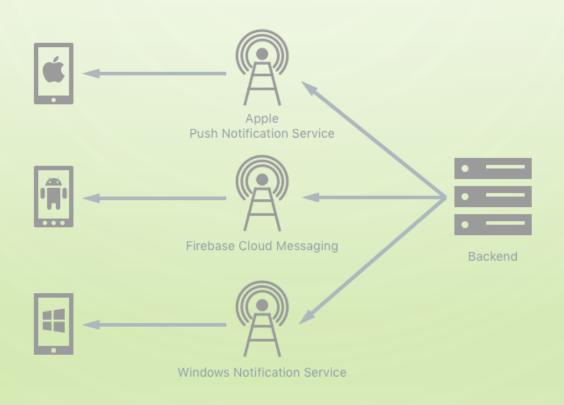


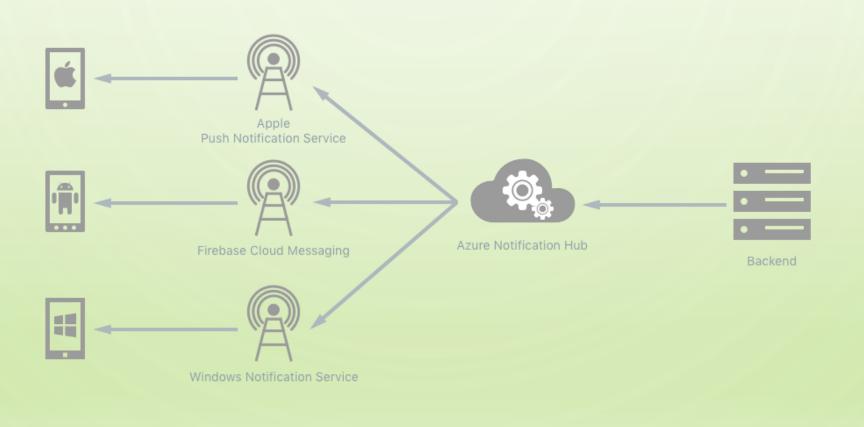
PUSH NOTIFICATION

- AZURE INFRUSTRUCTURE
- PLATFORM NOTIFICATION SYSTEMS
- NOTIFICATION HUBS
- METRICS & TEST NOTIFICATION DEMO

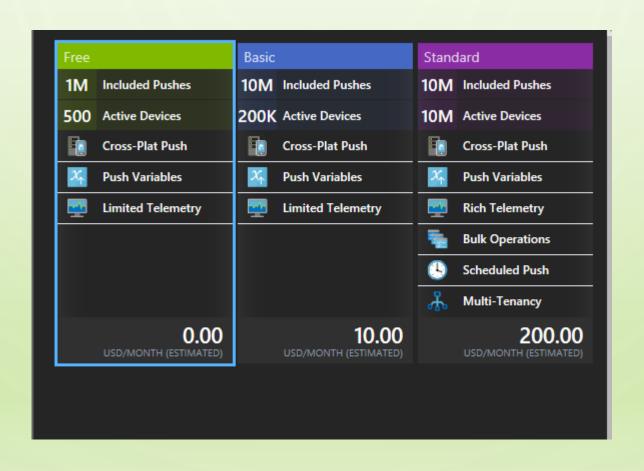
ARCHITECTURE WITHOUT NOTIFICATION MIDDLEWARE



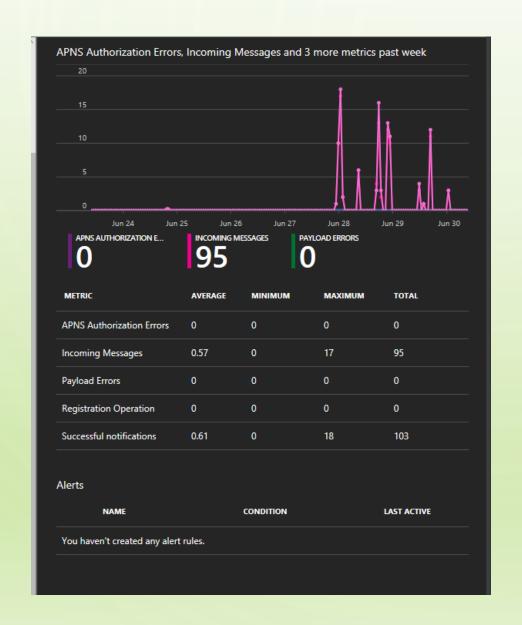
AZURE NOTIFICATION HUB SOLUTION

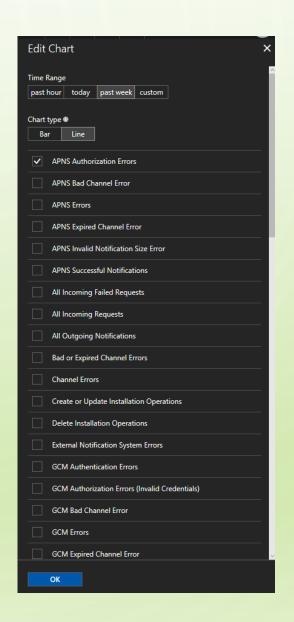


NOTIFICATION HUB PRICING TIER



METRICS & VISUALIZATION ON AZURE PORTAL





DEMO & 3 WAYS TO TRIGGER NOTIFICATION

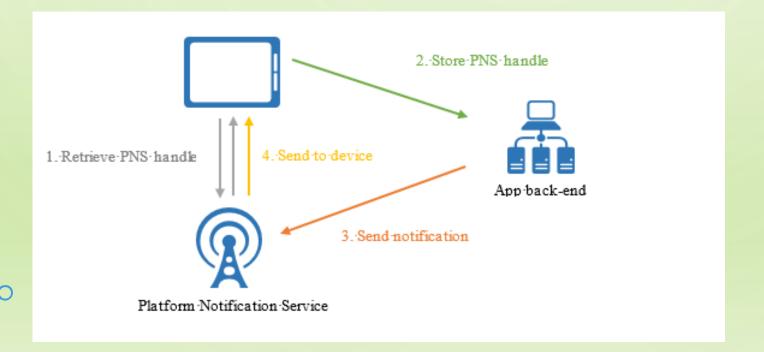
- Sample mobile app triggers notification after data entry
- Console app triggers notification
- Azure portal has limited option to 'Test Send' notification

TARGETING SPECIFIC REGISTRATIONS

- The only way to target specific notification registrations is to associate tags with them, then target those tags
- Once a registration is created on a notification hub, the application backend can send push notifications to it
- The application backend can choose the registrations to target with a specific notification in the following ways

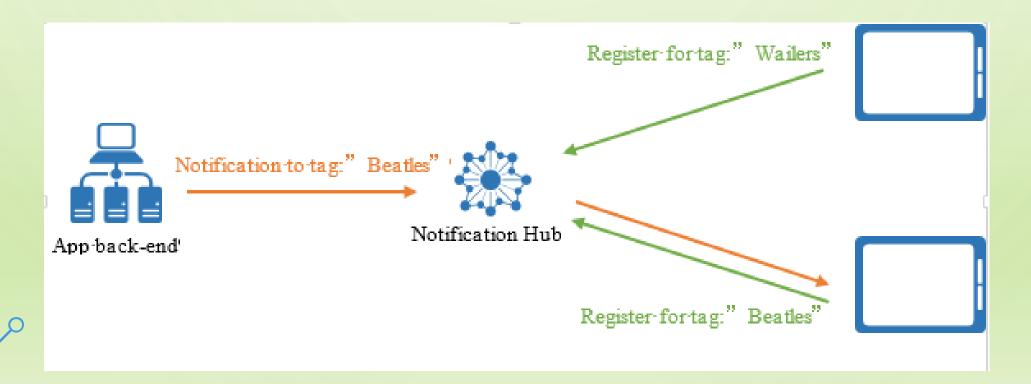
WHAT ARE PUSH NOTIFICATIONS

- Push notifications help app back-ends display fresh information on mobile devices even when the app on the device is not active
- Push notifications are delivered through platform-specific infrastructures called
 Platform Notification Systems (PNS)
- First look at high level PNS interaction with minimum infrastructure



TAGS

- A tag can be any string, up to 120 characters, containing alphanumeric and the following non-alphanumeric characters: '_', '@', '#', '.', ':', '-'
- A simple way to route notifications is to label registrations with tags that represent the different bands, as in the following picture.



DEMO

- Using fiddler to initiate a backend calls to NH to add & remove tags
- Sending push notifications from Azure portal using tags
- Sending customize push notifications & targeting tags from console app
- Azure notification hub namespace and registering dev environment
- Configuring 'Access Policy' & permissions on Azure portal
- Security practices & regeneration of access tokens