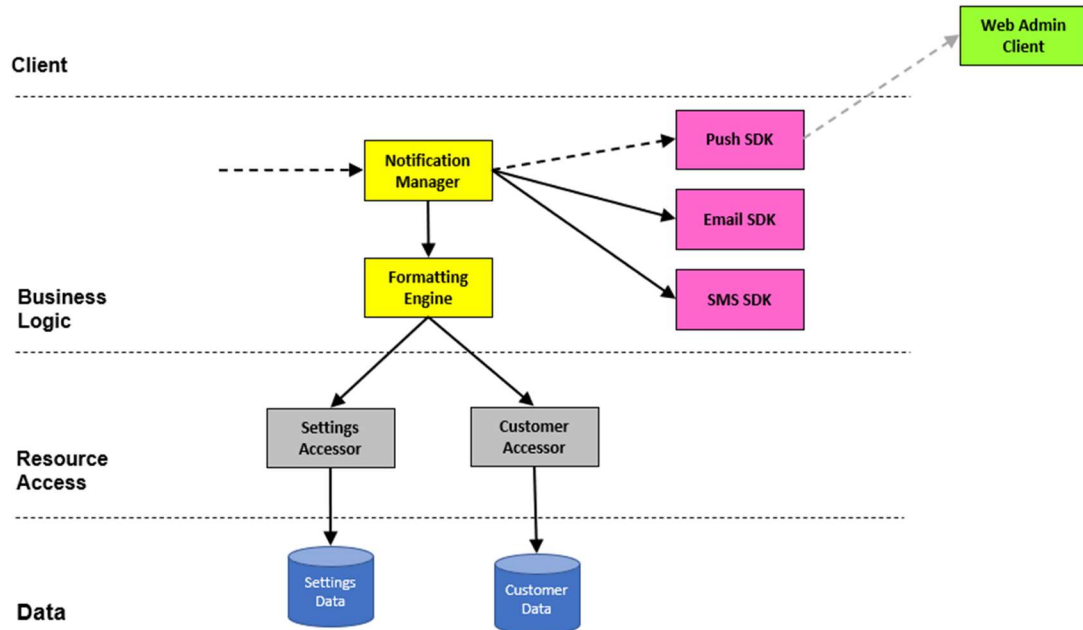


System notifies users

System notifies users



Description

Queued messages will be received by the Notification manager which will determine what messages need to be sent through what notification channels.

Component Roles

- **Notification Manager**
 - Manages the workflow of sending the configured notifications to the proper clients
- **Formatting Engine**
 - Retrieves the notification templates and settings and returns the properly formatted notifications
- **Settings Accessor**
 - Returns the notification settings and templates for the system
- **Customer Accessor**
 - Returns contact information for customers to send notifications (email address, phone number, etc)
- **Push SDK**
 - Encapsulates the 3rd Party Push notification library used to send alerts to the browser
- **Email SDK**
 - Encapsulates the 3rd Party Email Library
- **SMS SDK**
 - Encapsulates the 3rd Party SMS Library
- **Web Admin Client**

- Website client listening for push notifications

Use Case Sequence

1. Notification Manager receives new message
2. Notification Manager calls the formatting engine
3. Formatting Engine retrieves settings from the settings accessor
4. Formatting Engine retrieves customer data from the customer data accessor
5. Formatting Engine returns formatted notifications to the Notification Manager
6. Notification Manager sends messages to the Push, Email, and SMS SDK.
7. Web Admin Client receives push notifications

Services

Notification Manager

Send()	EventId, long

Formatting Engine

FormatMessages	EventId, long

Settings Accessor

LoadSettings	CustomerId, long SettingType, enum

Customer Accessor

LoadCustomerContacts	CustomerId, long

DTO Definition

Notification	Contains properties to define a notification to send
NotificationSetting	Contains properties for notification settings for a single customer
CustomerContact	Contains notification information for a user by customer