Web Browser

Process Framework

AdminPortal/Process Designer

REST Service

Process Deployer

Process Executor

Conductor API

Custom Process

Push

SMS

Email

AWS SNS

User Grid

Notifications

Push Notification
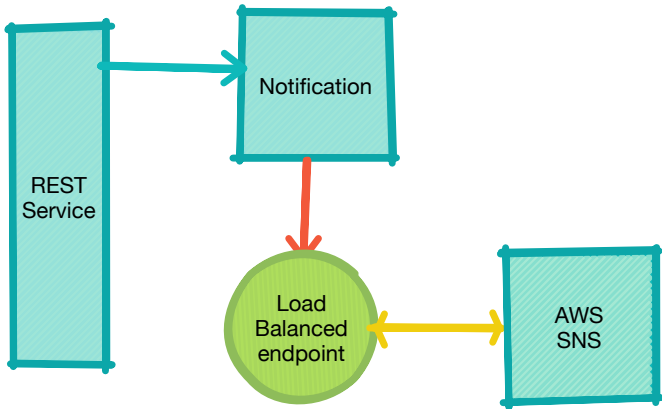
Push workflow: Deferred

REST Service	REST Call to configure push notifier We used queue for load balancing. But after considering SNS error handling mechanism we decided to take queue off from the system and we will spray request to load balanced endpoint instead
Notification	create-notifier API Call. enqueue message to queue · save notifier to database · Send message to queue
Queue	message Queue
Worker	dequeue message and call SNS · success — Yes / No
AWS SNS	SNS
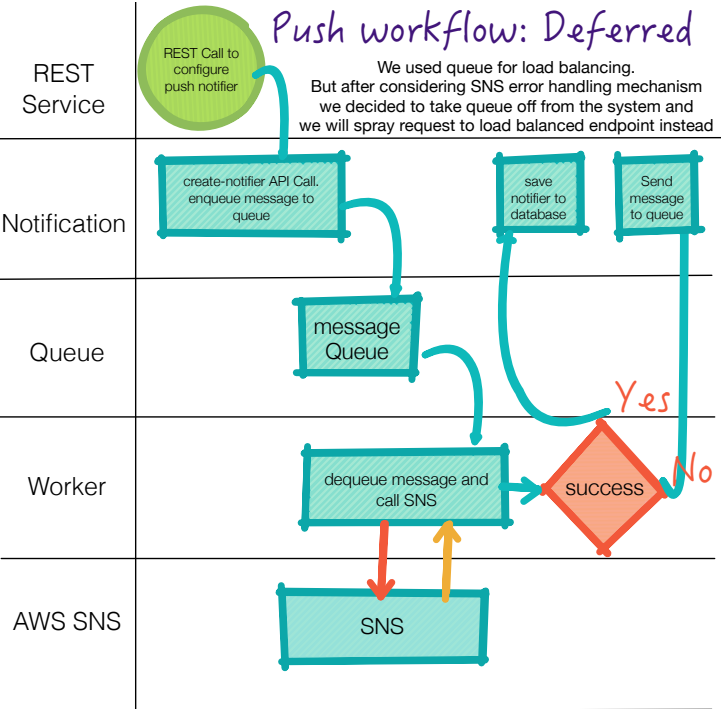
Push workflow

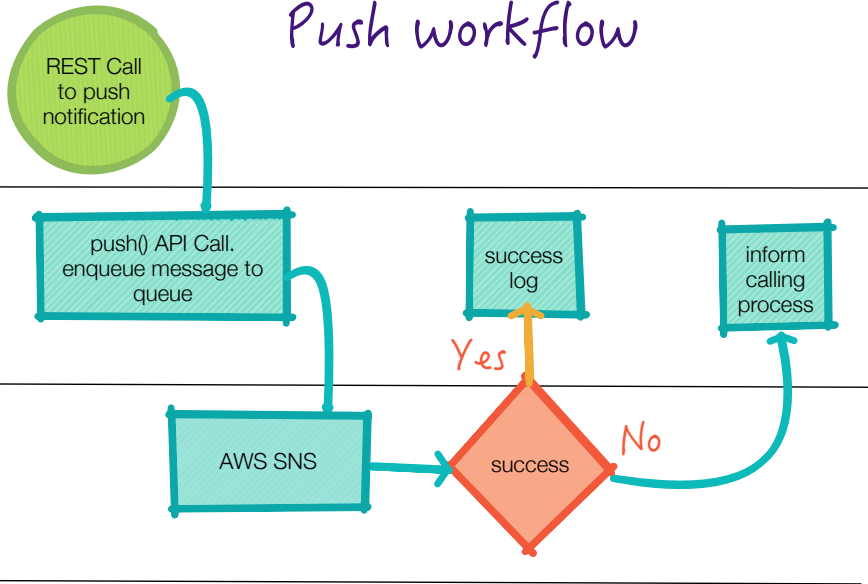|	
REST Service	REST Call to push notification
Notification	push() API Call. enqueue message to queue → success log → inform calling process
AWS SNS	AWS SNS → success — **Yes** / **No**

```
                    ┌──────────────┐
                    │ <<interface>>│
                    │ PushService  │
                    └──────────────┘
                           △
                           │
                    ┌──────────────┐
                    │ AbstractPush │
                    │ Service      │
                    └──────────────┘
                           △
          ┌────────────────┼────────────────┐
┌──────────────┐   ┌──────────────┐   ┌──────────────┐
│ AndroidPush  │   │ IOSPushServi │   │ WindowsPus   │
│ Service      │   │ ce           │   │ hService     │
└──────────────┘   └──────────────┘   └──────────────┘
       │                  │                  │
┌──────────────┐   ┌──────────────┐   ┌──────────────┐
│ UGAndroidPu  │   │ UGAndroidPu  │   │ UGAndroidPu  │
│ shImpl       │   │ shImpl       │   │ shImpl       │
└──────────────┘   └──────────────┘   └──────────────┘
```

PushServiceFactory
getUGAndroidPushService()
getUGIOSPushService()
getWindowsPushService()

PushServiceConfiguration
providerUrl

1   1

<Creates>

<<interface>>
ExecutionTask

<<interface>>
JavaDelegate

AbstractExecutionTask

PushTask

1

1

AndroidPushService
IOSPushService
WindowsPushService