Simple Notification Service (Version 2010-03-31)
Quick Reference Card

Topic Owners

AddPermission
Adds a statement to a topic's access control policy.
Request includes:
TopicArn, Label, AWSAccountId, ActionName
Response includes:
Basic response metadata

CreateTopic
Creates a topic to which notifications can be published.
Request includes:
Name
Response includes:
TopicArn

DeleteTopic
Deletes a topic and all subscriptions to that topic.
Request includes:
TopicArn
Response includes:
Basic response metadata

GetTopicAttributes
Returns the attributes of a topic.
Request includes:
TopicArn
Response includes:
Attributes

ListSubscriptionsByTopic
Returns the subscriptions to a specific topic.
Request includes:
TopicArn, (NextToken)
Response includes:
Subscriptions, NextToken

ListTopics
Returns a list of the requester's topics.
Request includes:
(NextToken)
Response includes:
Topics, NextToken

RemovePermission
Removes a statement from a topic's access control policy.
Request includes:
TopicArn, Label
Response includes:
Basic response metatdata

SetTopicAttributes
Sets a topic's attribute.
Request includes:
TopicArn, AttributeName, AttributeValue
Response includes:
Basic response metadata
JSON format for DeliveryPolicy:

```
{
    "http": {
        "defaultHealthyRetryPolicy":
            {
            "minDelayTarget":  <int>,
            "maxDelayTarget": <int>,
            "numRetries": <int>,
            "numMaxDelayRetries": <int>,
            "backoffFunction":
"<linear|arithmetic|geometric|exponential>"
            },
        "disableSubscriptionOverrides": <boolean>,
        "defaultThrottlePolicy":
            {
            "maxReceivesPerSecond": <int>
            }
        }
}
```

Subscription Owners

ListSubscriptions
Returns a list of the requester's subscriptions.
Request includes:
(NextToken)
Response includes:
Subscriptions, NextToken

Subscribe
Starts to subscribe an endpoint to a topic. Subscriptions typically require confirmation by the endpoint owner.
Request includes:
TopicArn, Protocol, Endpoint
Response includes:
SubscriptionArn

GetSubscriptionAttributes
Returns the attributes of a subscription.
Request includes:
SubscriptionArn
Response includes:
Attributes

SetSubscriptionAttributes
Sets a subscription's attributes.
Request includes:
SubscriptionArn, AttributeName, AttributeValue
Response includes:
Basic response metadata
JSON format for DeliveryPolicy:

```
{
    "healthyRetryPolicy":
        {
        "minDelayTarget":  <int>,
        "maxDelayTarget": <int>,
        "numRetries": <int>,
        "numMaxDelayRetries": <int>,
        "backoffFunction":
"<linear|arithmetic|geometric|exponential>"
        },
    "throttlePolicy":
        {
        "maxReceivesPerSecond": <int>
        }
}
```

Publishers

Publish
Sends msg to topic's subscribed to endpoints or directly to.
Request includes:
TargetArn [TopicArn or EndpointArn], Message, (Subject)
Response includes:
MessageId

Endpoint Owners

ConfirmSubscription
Verifies an endpoint owner's intention to receive messages.
Request includes:
TopicArn, Token, (AuthenticateOnUnsubscribe)
Response includes:
SubscriptionArn

Unsubscribe
Deletes a subscription.
Request includes: SubscriptionArn
Response includes: Basic response metadata

Note: parameters in parentheses are optional.

Platform Application

CreatePlatformApplication
Creates a platform application object.
Request includes:
Attributes [*PlatformCredential, *PlatformPrincipal], Name, Platform
Response includes:
PlatformApplicationArn   *required attributes

SetPlatformApplicationAttributes
Sets the attributes of the platform application object.
Request includes:
Attributes [*PlatformCredential, *PlatformPrincipal], Name, Platform
Response includes:
Basic response metatdata   *required attributes

GetPlatformApplicationAttributes
Retrieves the attributes of the platform application object.
Request includes:
PlatformApplicationArn
Response includes:
Attributes

ListPlatformApplications
Lists the platform application objects.
Request includes:
(NextToken)
Response includes:
NextToken, PlatformApplications

DeletePlatformApplication
Deletes a platform application object.
Request includes:
PlatformApplicationArn
Response includes:
Basic response metatdata

Platform Endpoint

CreatePlatformEndpoint
Creates an endpoint for a device and mobile app.
Request includes:
Attributes, (CustomUserData), PlatformApplicationArn, Token
Response includes:
EndpointArn

SetEndpointAttributes
Sets the attributes for an endpoint for a device and mobile app.
Request includes:
Attributes, EndpointArn
Response includes:
Basic response metadata

GetEndpointAttributes
Retrieves the endpoint attributes for a device and mobile app.
Request includes:
EndpointArn
Response includes:
Attributes

ListEndpointsByPlatformApplication
Lists the endpoints and endpoint attributes for devices and mobile apps in a supported push notification service.
Request includes:
(NextToken), PlatformApplicationArn
Response includes:
Endpoints, NextToken

DeleteEndpoint
Deletes the endpoint for a device and mobile app on one of the supported push notification services.
Request includes:
EndpointArn
Response includes:
Basic response metadata

Note: parameters in parentheses are optional.