

## DRY Points

1. All URLs are expected to be prefixed with `http://[baseurl]/api`
2. All responses are in JSON form
3. Any data in path like `/{}`  is a request parameter, all else is in the body, or query parameters if a get request
4. All response codes are in line with the Mozilla standard
  - a. <https://developer.mozilla.org/en-US/docs/Web/HTTP/Status>

## New Notifications Event Object (extension -> server; creates a new notification)

### **INotificationEvent**

- **origin: String [required]**
  - Origin id string for extension that generates notification
  - (e.g. name of the extension, should be unique vs other extensions, consistent across calls)
- **title(63 char max) : String [required]**
  - Title of the notification
- **body : String [required]**
  - Body of the notification
- **subject: String [required]**
  - The class of the notification
  - Used for filtering and grouping notifications
- **recipient: List of Strings**
  - List of users that notifications are meant for
  - `["*"]` if notification is meant for all users
  - Optional, defaulted to `["*"]` in the token if not included
- **linkURL : (255 char max) : String**
  - The http URL to where the notification click should redirect to
- **ephemeral : Boolean**
  - Boolean for if notifications are persistent or not
  - True for non persistent, false for persistent
  - Default set to False
- **notifTimeout: Integer**
  - Time duration toast/pop up should live for
  - Default set to 5 seconds
- **notifType: String**
  - Type of the notification, defines notification icon and color
  - Default set notification
  - Alternative options: error, completion, warning, information, in progress

## Notifications Response Object (server -> client(s))

### **INotificationResponse**

- **notificationId : Integer [guaranteed]**
  - Unique identifier for the Notification object generated by the server
- **origin: String [guaranteed]**

- Origin id string for extension that generates notification
- title(63 char max) : String **[guaranteed]**
  - Title of the notification
- body : String **[guaranteed]**
  - Body of the notification
- linkURL (255 char max) : String
  - The http URL to where the notification click should redirect to
- recipient: String
  - User identity of the user making the request
  - Optional, defaulted to "\*" in the token if not included
- ephemeral : Boolean
  - Boolean for if notifications are persistent or not
  - True for non persistent, false for persistent
  - Default set to False
- notifTimeout: Integer
  - Time duration toast/pop up should live for
  - Default set to 5 seconds
- notifType: String
  - Type of the notification, defines notification icon and color
  - Default set to info
  - Alternative options
    - error
    - warning
    - info
    - success
- created: Integer
  - Provided by server
  - Ms from epoch when notification was registered on the server

## Notification API

/notifications

- **POST**
  - In body of request contain:
    - *New Notifications Event Object (as detailed above)*
  - Stores the Notification in notifications database
  - Returns a JSON object denoting POST status, Notification ID, and all given data
- **GET**
  - Returns an array of all notification objects stored

?created={created}

- Get all notifications created after certain ns since epoch

?origin={origin}

- Returns array of Notification objects with the given origin

?recipient={recipient}

- Returns array of Notification objects with the given recipient

/notifications/{id}

- **GET**

- Get Notification with the NotificationID