

Push Notifications (Phase 1)

Epic: [FIN-31279: Implement Firebase system for push notifications](#) CLOSED

Description:

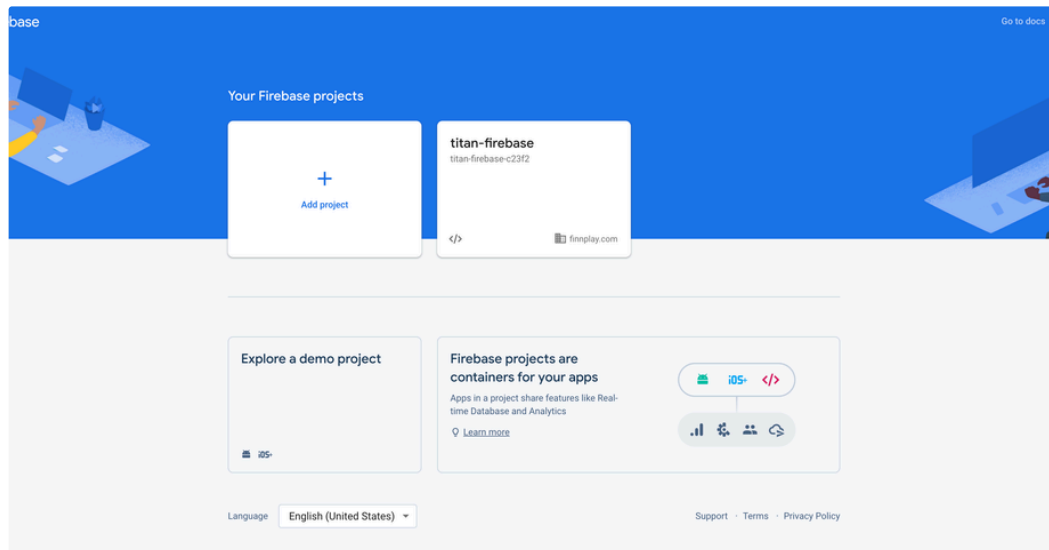
A new feature of Push Notifications is to be developed in Titan. Push Notifications are to be sent to website and mobile app(**Upcoming**) through Firebase Admin SDK.

User Experience:

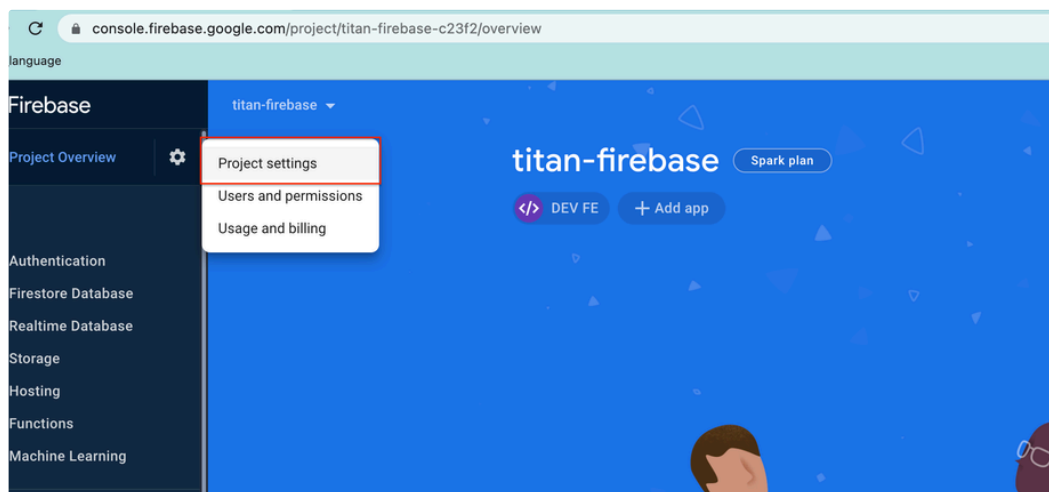
- **User 1 (Player):** The player signs up on the website or mobile app. The player is shown a pop-up for marketing push notifications. The player consents to receiving push notifications. A token is generated for this browser/mobile app and stored in the database. The player receives marketing push notifications on this device. The player can subscribe to receiving push notifications from more devices (Pop-up shown after first login).
- **User 2 (BO User):** The BO user signs into the BO account. The BO user goes to the "Create Notification" page in BO. The BO user fills the title, link, image link and text in multiple languages. The number of languages available to send push notifications depends on the languages configured in "LANGUAGES" BO property (1st language will be default). The players will receive notification in the language set in the profile. If push notification is not available in the language of the player, the notification will be sent in default language. Once the notification has been sent, it will appear on the history page of push notifications. Before the "Send Time" of the notification arrives, the BO user can modify the notification with appropriate BO role.
- **Devices:** iOS(**Upcoming**), Android(**Upcoming**), Web Browser

How to configure Firebase Admin SDK credential json file

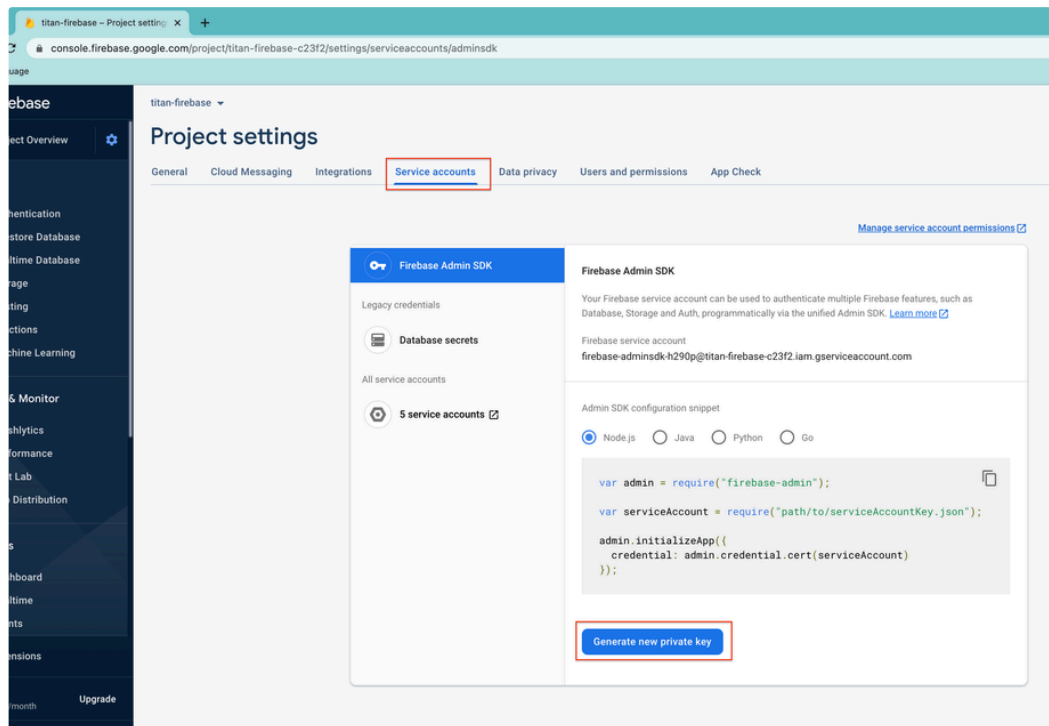
1. Go to firebase console website: <https://console.firebase.google.com/>. Create a new project



2. Open this new project, clicks on **Project settings**



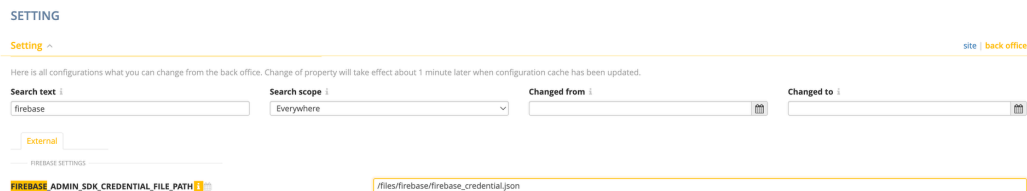
3. Choose **Service accounts** section, clicks on **Generate new private key** button to download the **credential json file**.



4. It is recommended to rename the file to `firebase_credential.json`, then upload to server path: `~/files/firebase/`

```
dev@finnplay3:~/files/firebase$ ls
firebase_credential.json
dev@finnplay3:~/files/firebase$ pwd
/home/dev/files/firebase
dev@finnplay3:~/files/firebase$
```

5. Update this backoffice property: `FIREBASE_ADMIN_SDK_CREDENTIAL_FILE_PATH` set the file path: `/files/firebase/firebase_credential.json`



Current Implementation (Backoffice part)

1. New Backoffice Roles

COMMUNICATION_APPROVER can approve the notification.

COMMUNICATION_UPDATE can create and update the notification.

COMMUNICATION can see the notification menu

2. Create Push Notification

Create new push notification page under Communication menu.

Operator with **COMMUNICATION** role can see the notification, with **COMMUNICATION_UPDATE** can create and update the notification.

BACKOFFICE TM Welcome alongadmin [Home](#) [Logout](#) 6895184 7715 14 1254 Viral - (95) English 4/5 12:04:44

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COMMUNICATION / CREATE NEW PUSH NOTIFICATION

[Manual](#)

It is the sole responsibility of the customer to ensure that the Push notification feature is used in compliance with all applicable national, supranational and international norms and regulations. Finnplay does not take any responsibility as to whether the use of push notifications is compliant with the jurisdiction in which our customers operate.

NOTIFICATION PARAMS

Link Image Link Send Time

NOTIFICATION CONTENT

Default Translation Translation

Title * Display Link As Title Display Link As

Message * Message

☐ Send To Online Players Only

USERS AND USER GROUPS

Users User Groups Device Type

[Create New Push Notification](#)

Fields description:

The default translation of the push notification is the first value (Language) configured in LANGUAGES property. Rest of values configured in LANGUAGES property are the other translations.

Field Name	Mandatory	Description
Link	no	The URL (Link) of the push notification, max length is 256 chars. Supports https only.
Image Link	no	Add a link to an image to be displayed along the notification message, max length is 512 chars. Only https supported.
Send Time	no	The send time of the push notification, the minimum time period is 10 minutes. If send time is not set, the notification is sent immediately after approval.
Display Link As	no	The text to display the URL. e.g. Click here. It will be required when Link is filled
Title of default translation	yes	The title of the push notification, at least need one message with default translation
Message of default translation	yes	The title of the push notification, at least need one message with default translation
Title of other translations	no	The title of the push notification
Message of other translations	no	The message of the push notification
Send To Online Players Only	no	Select this to send the push notification to online players only.
Users	one of Users and User Groups are mandatory	List of user Ids. Players allowed to receive the push notifications.
User Groups	one of Users and User Groups are mandatory	List of user group Ids. Players allowed to receive the push notifications.
Device Type	yes	The target device(s) that player can receive the notification.

After filled all required fields, clicks on "Create New Push Notification" button to create a new push notification.

Clicks on this link can go to push notification detail page and see the created push notification.

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COMMUNICATION / CREATE NEW PUSH NOTIFICATION

A new push notification with id: 837 has been created successfully.

Manual

It is the sole responsibility of the customer to ensure that the Push notification feature is used in compliance with all applicable national, supranational and international norms and regulations. Finnplay does not take any responsibility as to whether the use of push notifications is compliant with the jurisdiction in which our customers operate.

NOTIFICATION PARAMS

Link | Image Link | Send Time |

NOTIFICATION CONTENT

Default Translation | English | Translation | Finnish

Title | some link | Display Link As | | Title | | Display Link As |

Message * | some msg | Message |

☐ Send To Online Players Only

USERS AND USER GROUPS

Users | Select user from list | User Groups | -- select -- | Device Type | + Device

User Id List | 110955

Create New Push Notification

3. Update Push Notification

Go to Push Notification History page and clicks on one push notification.

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COMMUNICATION / PUSH NOTIFICATION HISTORY

Search Push Notification History

Push Notification Type | -- select -- | Send From | | Page Size | 50

Push Notification Status | -- select -- | Send To | |

Search

419 items found

ID	Send Time	Push Notification Type	Status	Title	Bo User Id	Action
837		Manual	Created	some link	aixiongadmin (873)	Cancel Approve
835		Manual	Sent	title	yuliyaaadmin (571)	
833		Manual	Sent	title	yuliyaaadmin (571)	
831		Manual	Sent	Hello!	yuliyaaadmin (571)	
829		Manual	Sent	title-new pn	yuliyaaadmin (571)	
827		Manual	Sent	title-new pn	yuliyaaadmin (571)	
825		Manual	Sent	TEST HELP	linjunadmin (1035)	
823		Manual	Sent	58850	alexandermukhin (1159)	
821		Manual	Sent	58850	alexandermukhin (1159)	
819		Manual	Sent	58850	alexandermukhin (1159)	
817		Manual	Sent	58850	alexandermukhin (1159)	

Push notification under below status:

Created - updatable

Approved - updatable before send time reached

Sent - not updatable

Cancelled - not updatable

Error - not updatable

Push notification under Created status can be approved or cancelled by operator who have **COMMUNICATION_APPROVER** role.

Operator who have **COMMUNICATION_UPDATE** role can update the push notification.

For approved notification, if send time not reached. Operator able to cancel it.

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Risk & fraud

COMMUNICATION / PUSH NOTIFICATION HISTORY / PUSH NOTIFICATION DETAILS

Push Notification Details

Push Notification Status: Created

NOTIFICATION PARAMS

Link: Image Link: Send Time:

NOTIFICATION CONTENT

Default Translation: English

Title: some link Display Link As:

Message: some msg

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USERS AND USER GROUPS

User Id List: 110955 User Group Id List: Device Type: + Device

Update Cancel Approve

4. Approve/Cancel Push Notification

New created push notification is under "Created" status, can be approved/cancelled by operator who have **COMMUNICATION_APPROVER** role.

Operator can approve/cancel the push notification in Push Notification Detail page and Push Notification History page by clicks on "Approve" or "Cancel" button.

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COMMUNICATION / PUSH NOTIFICATION HISTORY / PUSH NOTIFICATION DETAILS

Push Notification Details

Push Notification Status: Created

NOTIFICATION PARAMS

Link: Image Link: Send Time:

NOTIFICATION CONTENT

Default Translation: English

Title: some link Display Link As:

Message: some msg

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USERS AND USER GROUPS

User Id List: 110955 User Group Id List: Device Type: + Device

Update Cancel Approve

BACKOFFICE 2.0

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Risk & fraud

COMMUNICATION / PUSH NOTIFICATION HISTORY

Search Push Notification History

Push Notification Type: -- select -- Send From: Page Size: 50

Push Notification Status: -- select -- Send To:

Search

419 Items Found

ID	Send Time	Push Notification Type	Status	Title	Be User Id	Action
837		Manual	Created	some link	alexlongadmin (873)	Cancel Approve
835		Manual	Sent	title	yuliyadmin (571)	
833		Manual	Sent	title	yuliyadmin (571)	
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819		Manual	Sent	58850	alexandermukhin (1159)	
817		Manual	Sent	58850	alexandermukhin (1159)	

5. Push Notification History

In this page operator can see and search all push notifications.

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Viral - (95) English

COMMUNICATION / PUSH NOTIFICATION HISTORY

Search Push Notification History

Push Notification Type
-- select --

Send From
Send To

Page Size
50

Push Notification Status
-- select --

Search

419 items found

< 1 2 3 4 5 6 7 8

ID	Send Time	Push Notification Type	Status	Title	Bo User Id	Action
837		Manual	Created	some link	aixiongadmin (873)	<button>Cancel</button> <button>Approve</button>
835		Manual	Sent	title	yuliyadmin (571)	
833		Manual	Sent	title	yuliyadmin (571)	
831		Manual	Sent	Hello!	yuliyadmin (571)	
829		Manual	Sent	title-new pn	yuliyadmin (571)	
827		Manual	Sent	title-new pn	yuliyadmin (571)	
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817		Manual	Sent	58850	alexandermukhin (1159)	
815		Manual	Sent	58850	alexandermukhin (1159)	
813		Manual	Sent	Kashif-fest	k-test (1225)	

6. Send Push Notification

Only approved push notification can be sent.

Self Excluded player can not receive the push notification.

If send time is not set, the push notification is sent immediately after approval.

If set the send time will send the push notification through scheduled job: **SendPushNotificationTask**.

FINN X FINN X FINN X FINN X FINN X FINN X Paym X Playm X Push X Sup: X Char X FINN X FINN X FINN X

bo.finnplay.net/bo/pushNotification/view?pushNotificationId=837

some link
viral-dex.finnplay.net
some msg

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Viral - (95) English

COMMUNICATION / PUSH NOTIFICATION HISTORY / PUSH NOTIFICATION DETAILS

Push notification has been approved, will send it to player immediately.

Push Notification Details

Push Notification Status
Approved

NOTIFICATION PARAMS

Link
Image Link
Send Time

NOTIFICATION CONTENT

Default Translation
English

Title
some link
Display Link As

Message
some msg

☐ Send To Online Players Only

USERS AND USER GROUPS

User Id List
110955

User Group Id List

Device Type
Desktop