Communication design

CORE

SMSChannel

EmailChannel

SendingSettings
- is_sending_enabled
- is_sending_after_all_payments_complete_enabled
  ...
- is_email_channel_enabled (activates EMAIL channel)
- is_sms_channel_enabled (activates SMS channel)

```
{
    "linked_object_id": self.linked_object_id,
    "linked_object_type": self.linked_object_type,
    "type": self.type,
    "message": msg,
    "receiver": receiver,
    "sending_settings": sending_settings_obj.__dict__,
}
```

Store NotificationTask data into
NoSQL storage by task ID

After Payments Trigger

NotificationConditionalProcessorAfterPayments:
- checks sending conditions
- NotificationTaskSenderProcessor.create_task_and_send()

After Guest Registration Trigger

NotificationConditionalProcessorAfterGuestReg:
- checks sending conditions
- NotificationTaskSenderProcessor.create_task_and_send()

. . .

Another Trigger

NotificationConditionalProcessorAnother:
- checks sending conditions
- NotificationTaskSenderProcessor.create_task_and_send()

NotificationTask
- linked_object_id
- linked_object_type
- n_type

NotificationTask
- linked_object_id
- linked_object_type
- n_type

NotificationTask
- linked_object_id
- linked_object_type
- n_type

RabbitMQ

Consume tasks

Background worker

CeleryWorker 1

CeleryWorker 2

...
CeleryWorker N

NoSQL

HTTP POST
Create Notification

Communication Service

Notification

NotificaitonItem (Other)

NotificaitonItem (SMS)

NotificaitonItem (Telegram)

NotificaitonItem (Email)