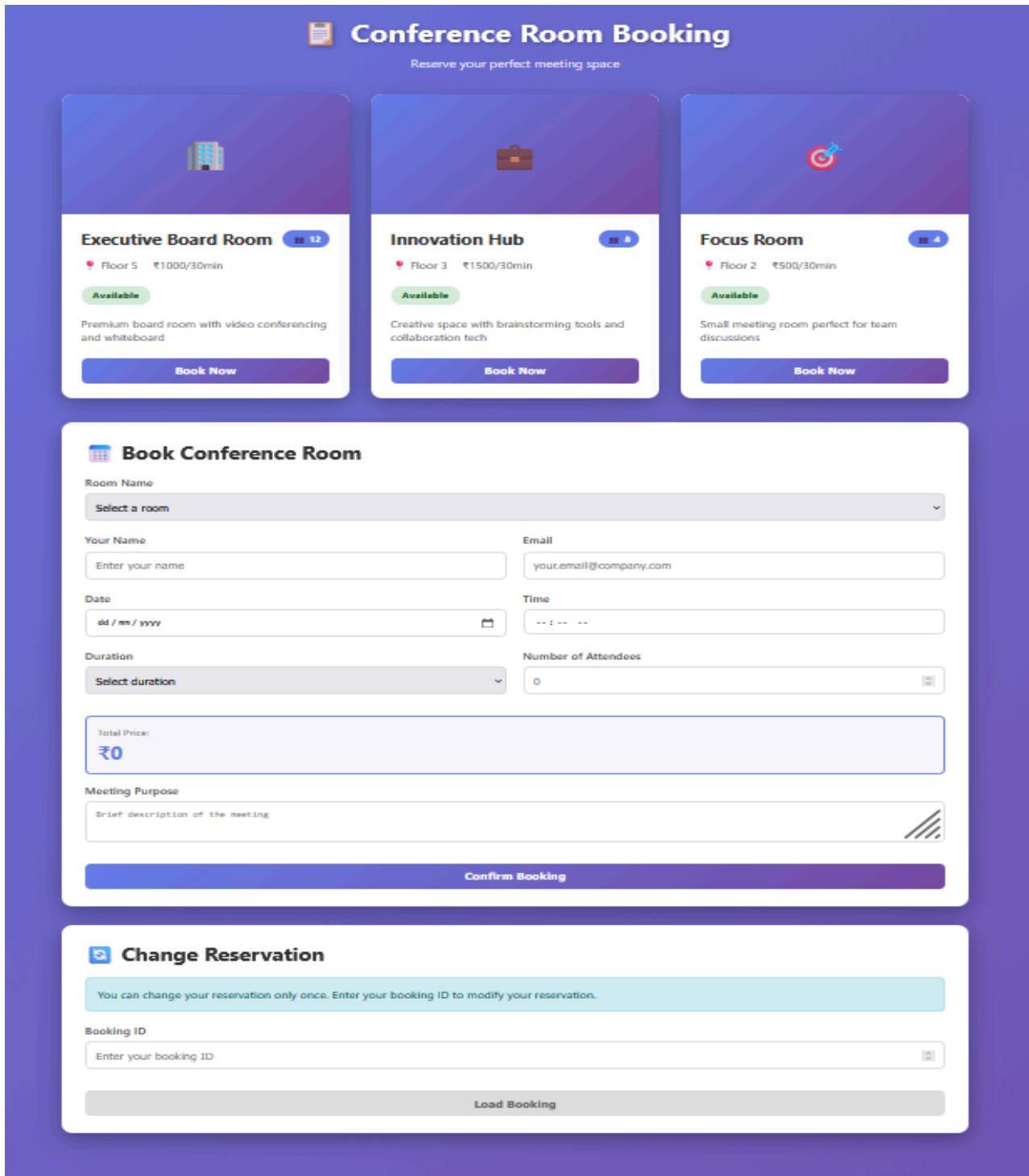


Conference Room Booking

Frontend:

Website:



The screenshot displays the Conference Room Booking website interface, featuring a header, room categories, a booking form, and a reservation modification form.

Header: Conference Room Booking | Reserve your perfect meeting space

Room Categories:

- Executive Board Room** (Floor 5, ₹1000/30min, 12 people): Premium board room with video conferencing and whiteboard. Status: Available. Book Now.
- Innovation Hub** (Floor 3, ₹1500/30min, 8 people): Creative space with brainstorming tools and collaboration tech. Status: Available. Book Now.
- Focus Room** (Floor 2, ₹500/30min, 4 people): Small meeting room perfect for team discussions. Status: Available. Book Now.

Book Conference Room Form:

- Room Name: Select a room (dropdown menu)
- Your Name: Enter your name
- Email: your.email@company.com
- Date: dd / mm / yyyy (date picker)
- Time: -- : -- : --
- Duration: Select duration (dropdown menu)
- Number of Attendees: 0 (input field)
- Total Price: ₹0
- Meeting Purpose: Brief description of the meeting (text area)
- Confirm Booking (button)

Change Reservation Form:

- You can change your reservation only once. Enter your booking ID to modify your reservation.
- Booking ID: Enter your booking ID (input field)
- Load Booking (button)

Confirmation Booking:

Booking Confirmed! Your Booking ID is: 21. Save this ID to change your reservation.

Room Type	Location	Capacity	Description
Executive Board Room	Floor 5	12	Premium board room with video conferencing and whiteboard
Innovation Hub	Floor 3	8	Creative space with brainstorming tools and collaboration tech
Focus Room	Floor 2	4	Small meeting room perfect for team discussions

E-mail notification for Customer:

Conference Room Booking Confirmation!

◆ Summarize this email ◆ Add to Calendar



hearschdevops@gmail.com

to me ▾

8:30 PM (2 minutes ago)

Conference Room Booking Confirmation

Hello Harshvardhan Gaikwad,

Your booking has been successfully confirmed. Below are your reservation details:

ID Booking ID: 21
📅 Date: 2025-10-23
⏰ Time: 20:00
🕒 Duration: 60 minutes
👥 Attendees: 5

Please keep your Booking ID safe — it will be required if you wish to modify your reservation later.

Thank you for choosing our conference room facilities.
We look forward to hosting your meeting! ✨

Backend:

Slack Notification for Internal Team:



hearschdevops 8:30 PM

Hello Harshvardhan Gaikwad,

Your booking has been successfully confirmed. Below are your reservation details:

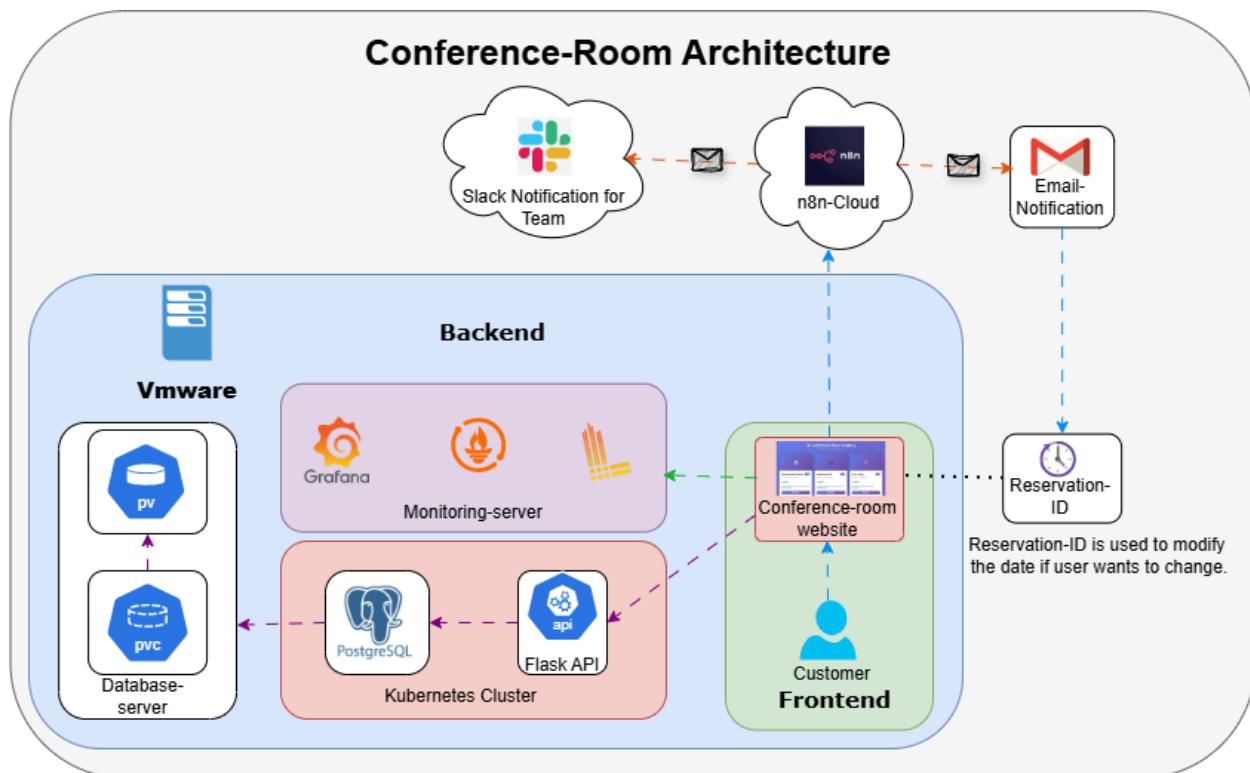
ID Booking ID: 21
Date: 2025-10-23
Time: 20:00
Duration: 60 minutes
Attendees: 5

Please keep your Booking ID safe – it will be required if you wish to modify your reservation later.

Thank you for choosing our conference room facilities.

We look forward to hosting your meeting! ✨

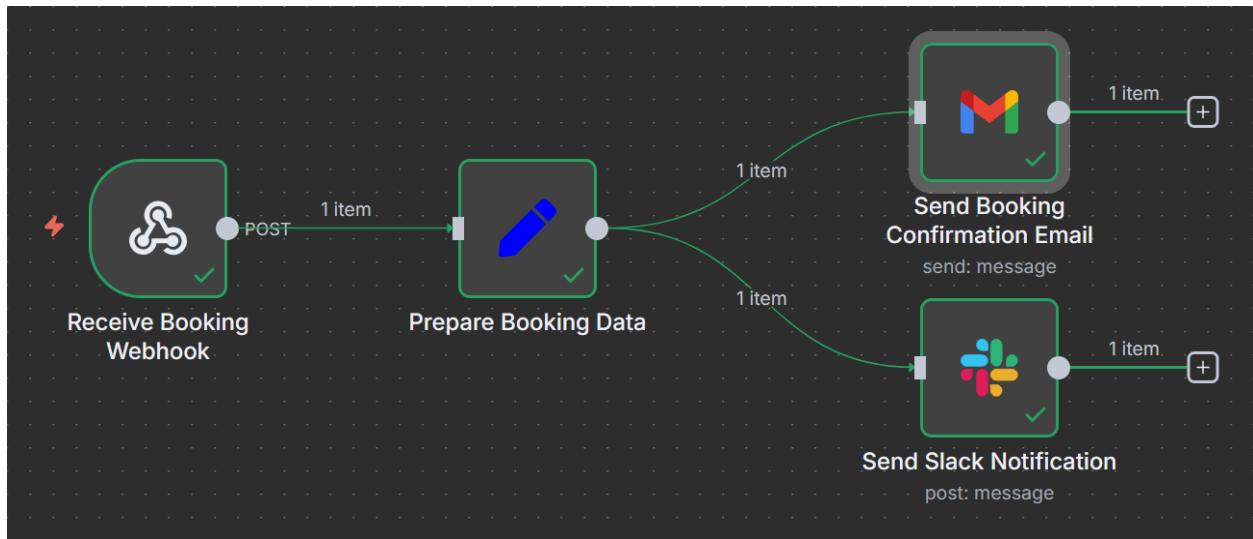
Architecture:



Kubernetes cluster:

```
ubuntu@master-node:~$ kubectl get deploy
NAME           READY   UP-TO-DATE   AVAILABLE   AGE
flask-deployment 1/1     1            1           2m52s
frontend-deployment 1/1     1            1           2m52s
pgadmin          1/1     1            1           2m52s
postgres         1/1     1            1           2m52s
ubuntu@master-node:~$ 
ubuntu@master-node:~$ kubectl get pods
NAME           READY   STATUS    RESTARTS   AGE
flask-deployment-669cb6c9cf-dqthl 1/1     Running   0          2m57s
frontend-deployment-5c55bb59cbf-mdxxt 1/1     Running   0          2m58s
pgadmin-84f9b57d85-tfftv 1/1     Running   0          2m58s
postgres-59f74b87bf-h49cw 1/1     Running   0          2m58s
ubuntu@master-node:~$ 
ubuntu@master-node:~$ kubectl get svc
NAME        TYPE      CLUSTER-IP   EXTERNAL-IP   PORT(S)   AGE
flask-service  NodePort  10.96.165.236 <none>       5000:30500/TCP 3m3s
frontend-service  NodePort  10.111.101.250 <none>       80:30090/TCP 3m3s
kubernetes   ClusterIP  10.96.0.1    <none>       443/TCP    36d
pgadmin      NodePort  10.103.14.51  <none>       80:30580/TCP 3m3s
postgres     NodePort  10.100.2.221  <none>       5432:32626/TCP 3m3s
ubuntu@master-node:~$ 
ubuntu@master-node:~$ kubectl get pv
NAME      CAPACITY  ACCESS MODES  RECLAIM POLICY  STATUS   CLAIM
N  AGE
postgres-pv  2Gi      RWO        Retain        Bound    default/postgres-pvc  manual  <unset>
3m7s
ubuntu@master-node:~$ 
ubuntu@master-node:~$ kubectl get pvc
NAME      STATUS  VOLUME  CAPACITY  ACCESS MODES  STORAGECLASS  VOLUMEATTRIBUTESCLASS  AGE
postgres-pvc  Bound  postgres-pv  2Gi      RWO        manual  <unset>  3m12s
ubuntu@master-node:~$ |
```

N8n workflow:

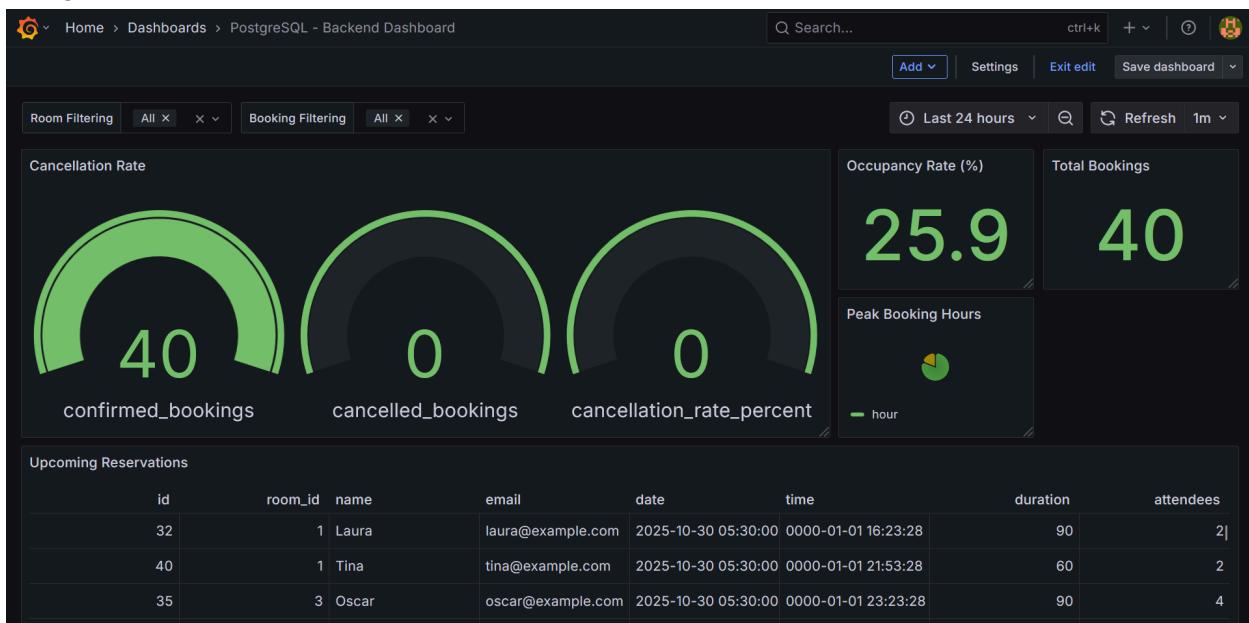


Grafana:

Website-monitoring:



PostgreSQL-Dashboard:



GitHub Link:

<https://github.com/Hearsch-devops/ConfOps.git>