


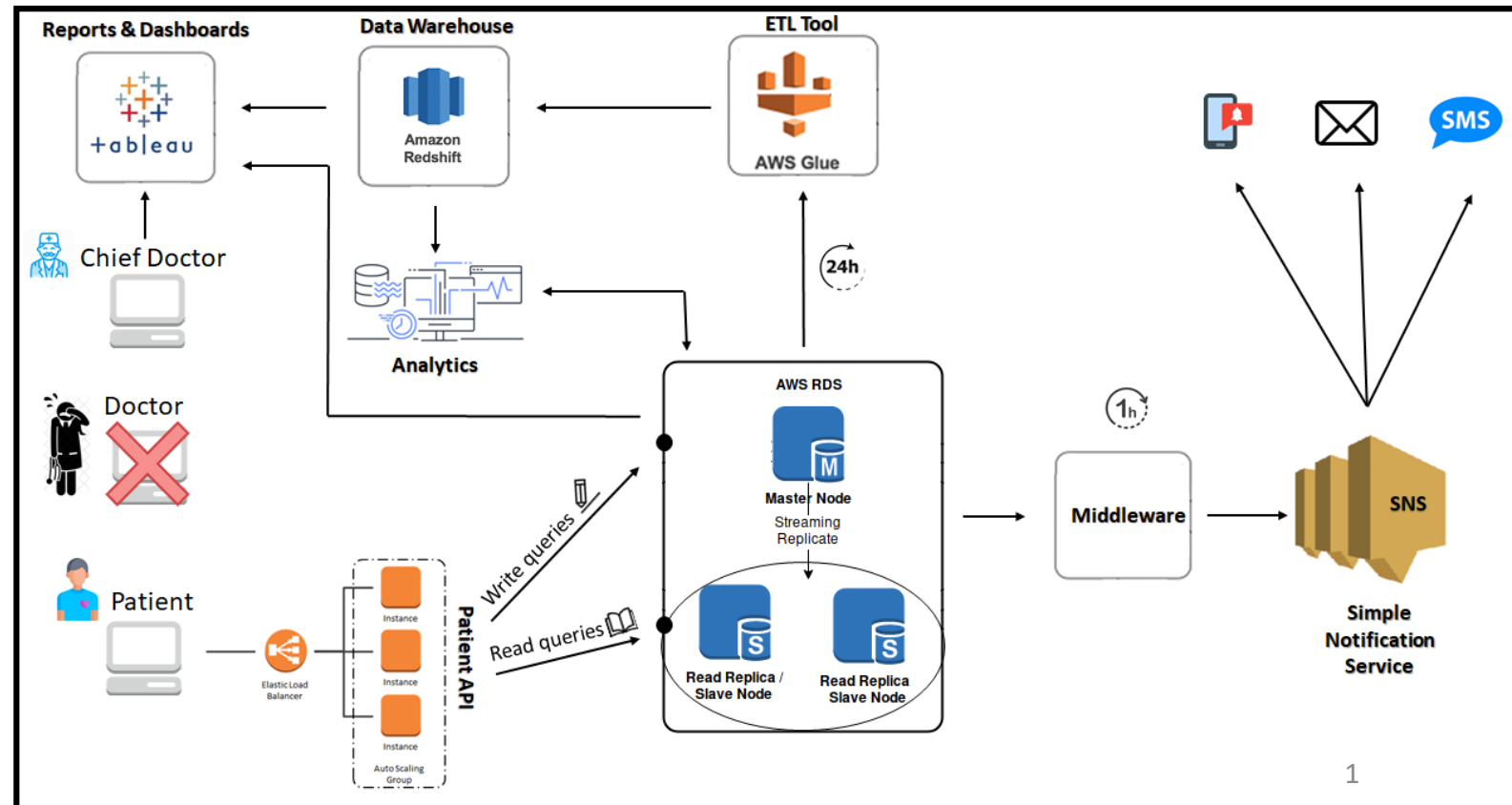
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# Sacchon Platform

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 **Salesforce Developer**  
Feb 2020 – Present (1 yr 4 mos)

 **Cloud Engineer - Internship**  
Nov 2019 – Jan 2020 (3 mos)



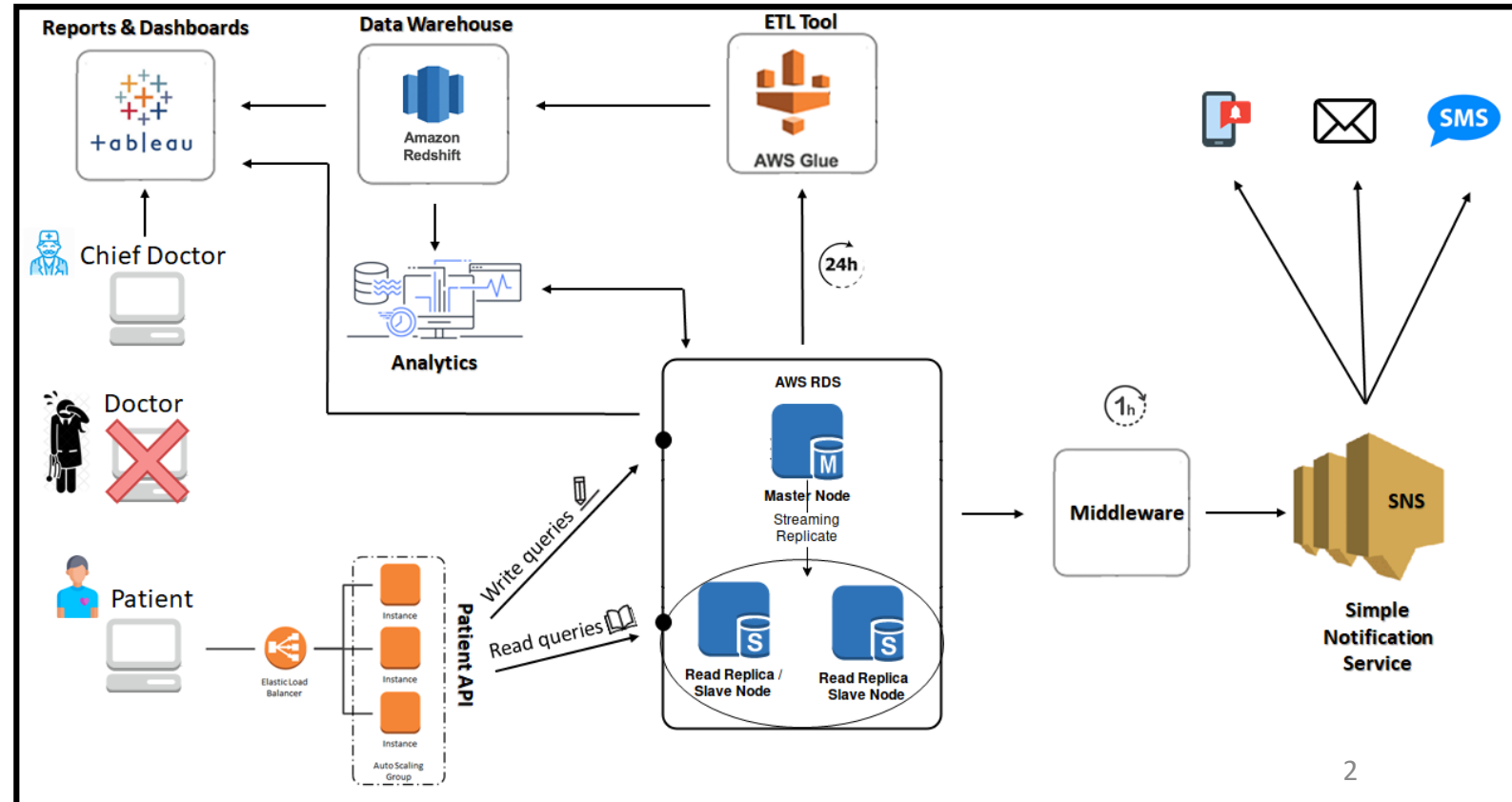


# Agenda

## 01 Securing the Sacchon App



## 02 Inspiration – Enhance and scale the Sacchon App through the Cloud





# Securing the Sacchon App

- JWT Authentication implemented
- API improvement – Patients are able to read only their own data
- Store the password hashed
- Modify Login Authentication method from GET to POST
- Login attempts are audited

## JWT Authentication

- ✓ Server does not access the database to authenticate the user
- ✓ Token contains all the needed user information
- ✓ Can set expiration date

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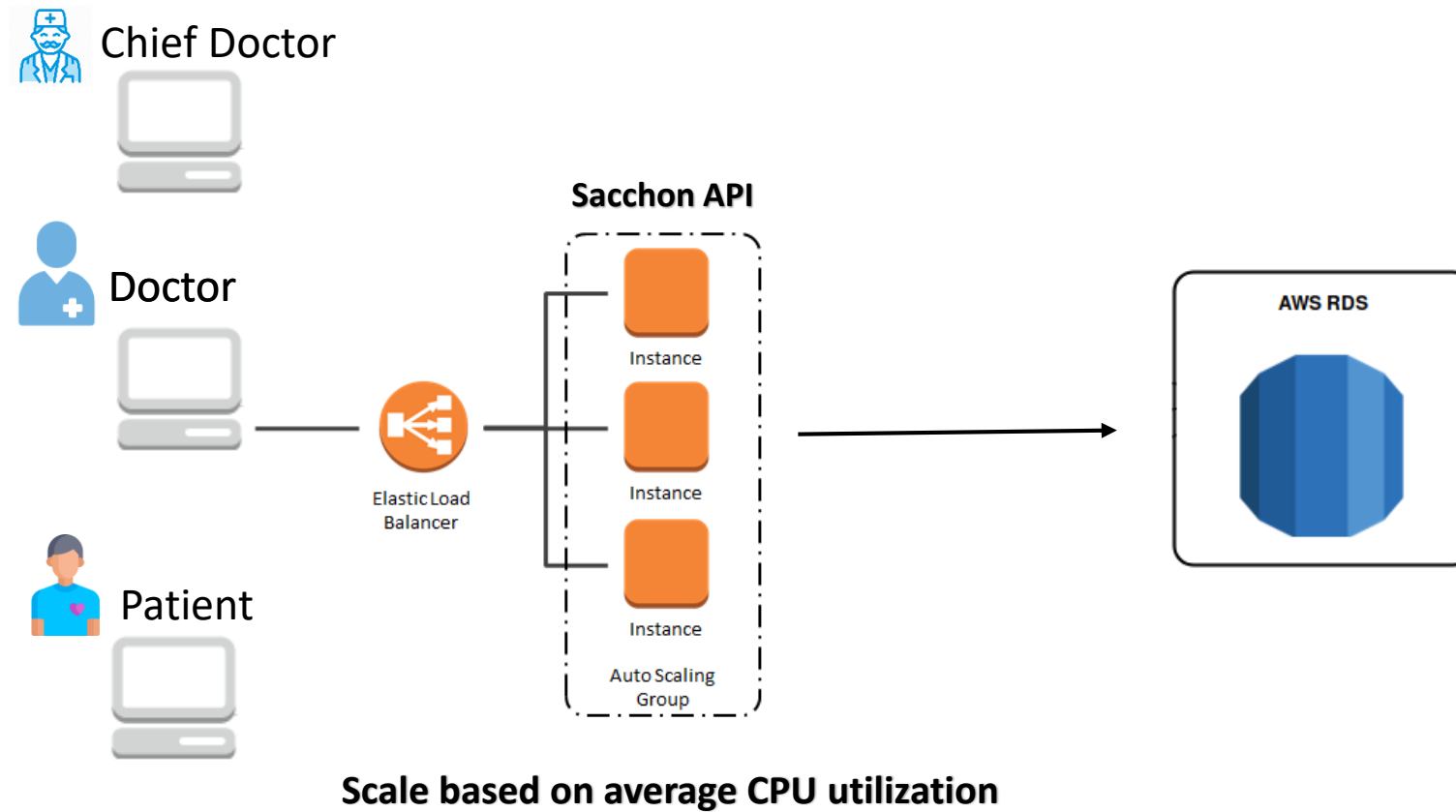
PAYLOAD: DATA

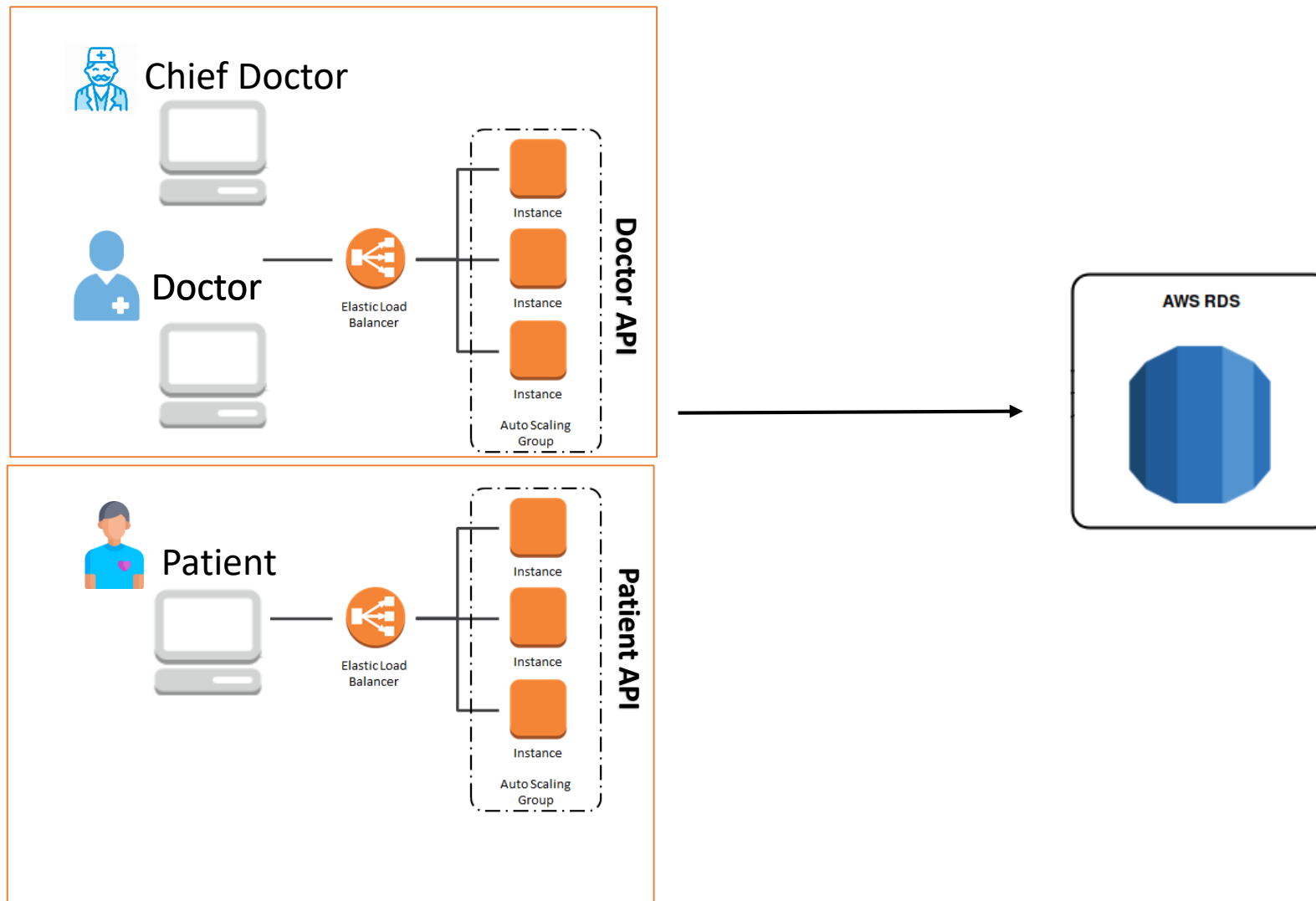
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```
{  
  "id": "1",  
  "iat": 1620666405,  
  "sub": "patient",  
  "iss": "sacchon",  
  "exp": 1620752805  
}
```

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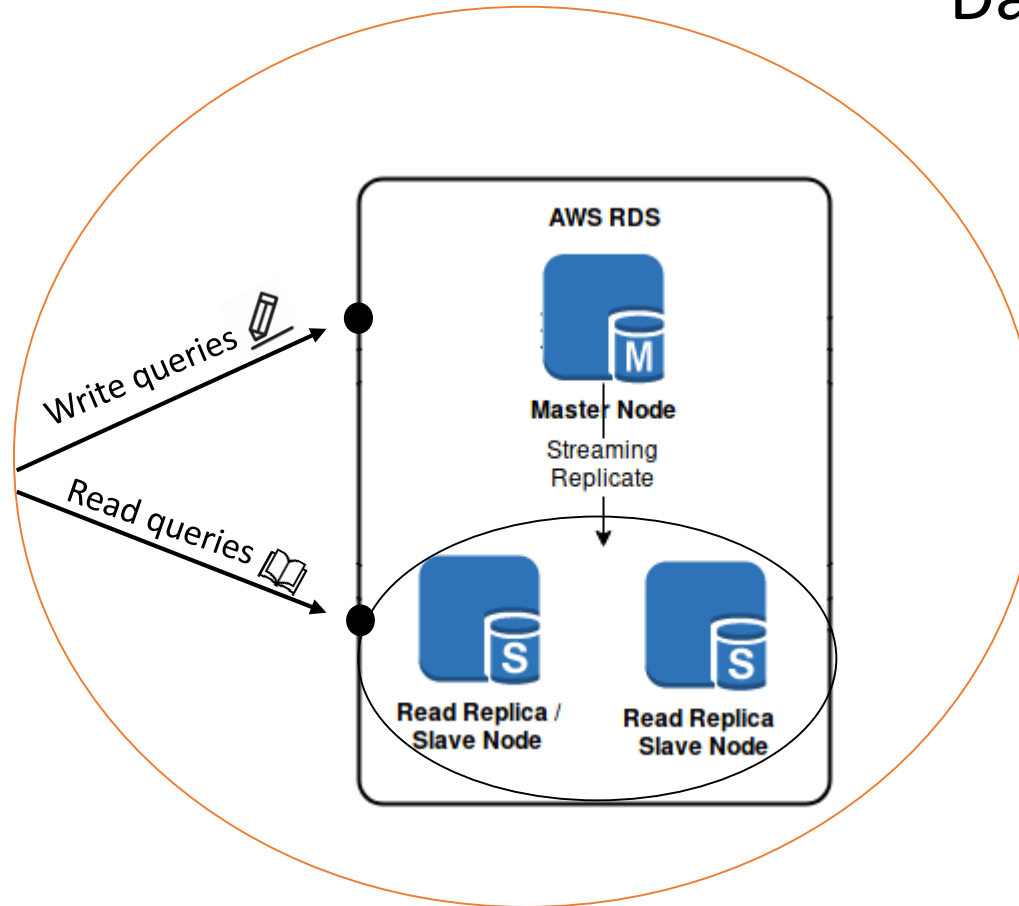
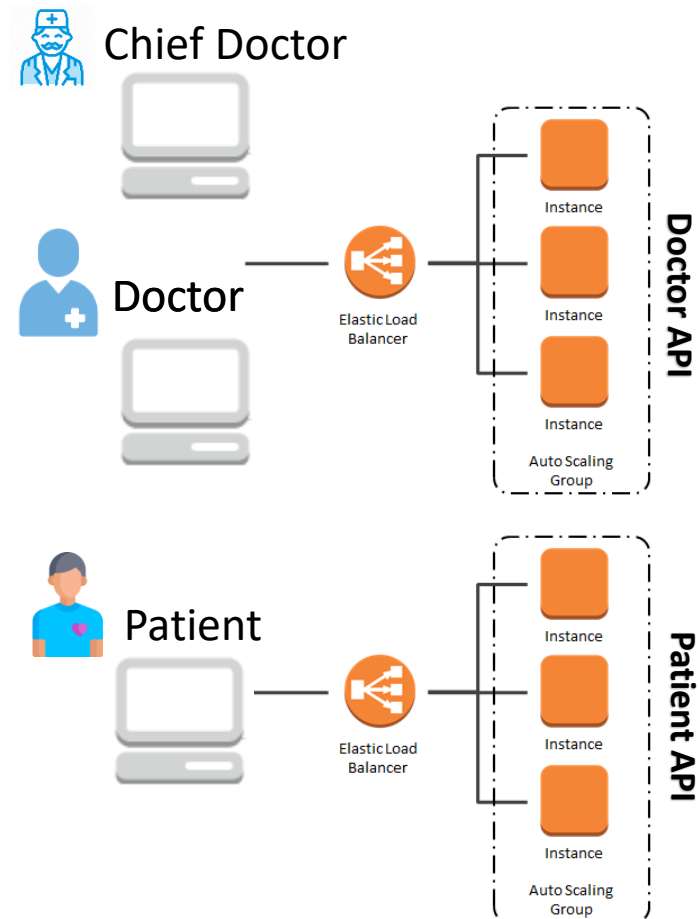
# Current implemented setup





## Application Decoupling

- Independent scalability
- Independent releases
- Easier to maintain code and easier change implementations

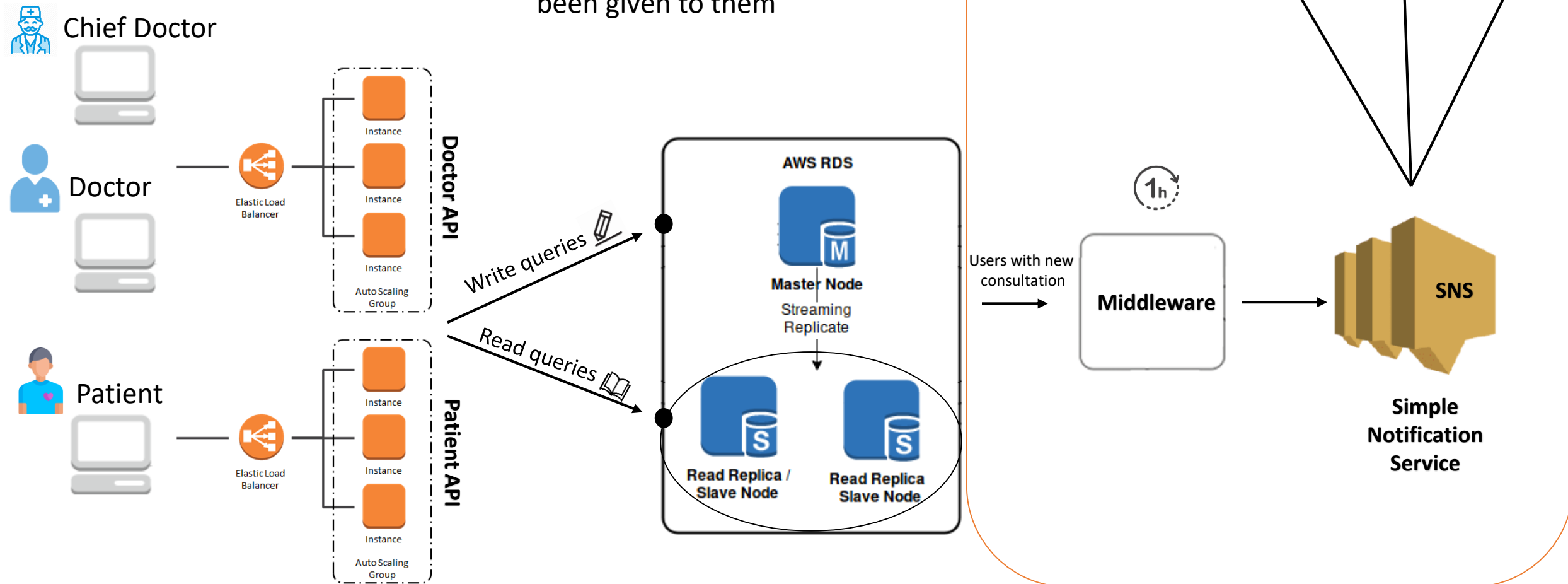


## Database scaling

- Database Replication
- Distribute traffic across replica databases

## Enhancement

- Patients receive notification when a new consultation has been given to them



# Archiving Strategy

➤ Off-load old data

