EHR.Network

Open I Scalable I Private I Secure

Resources/APIs

by

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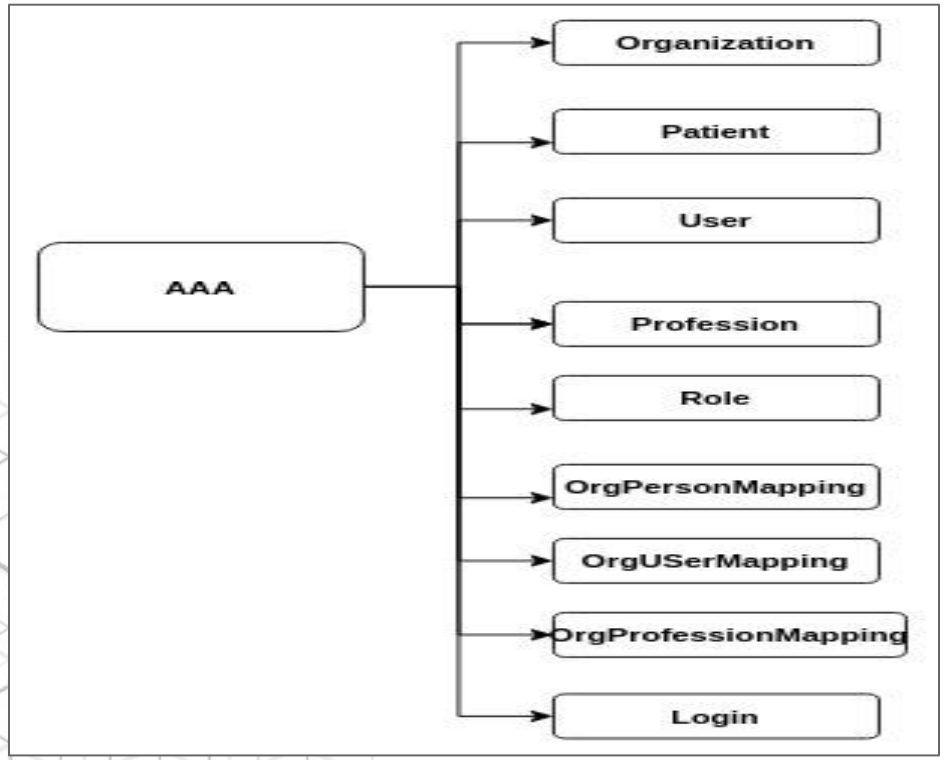
Overview

- Covers the primary resources and their capabilities for each of the services
- The keywords to get familiar with :
  - Organization - Healthcare Provider who has Users and Patients
  - User - A person(employee) who works for an organization .e.g:Practitioner, Therapist, Receptionist etc .
  - Person/Patient - A person who is registered in the organization and takes the benefits/services provided by the organization.
  - Individual- Indicates a person/user
  - Composition - Unit of clinical data created using a template

AAA

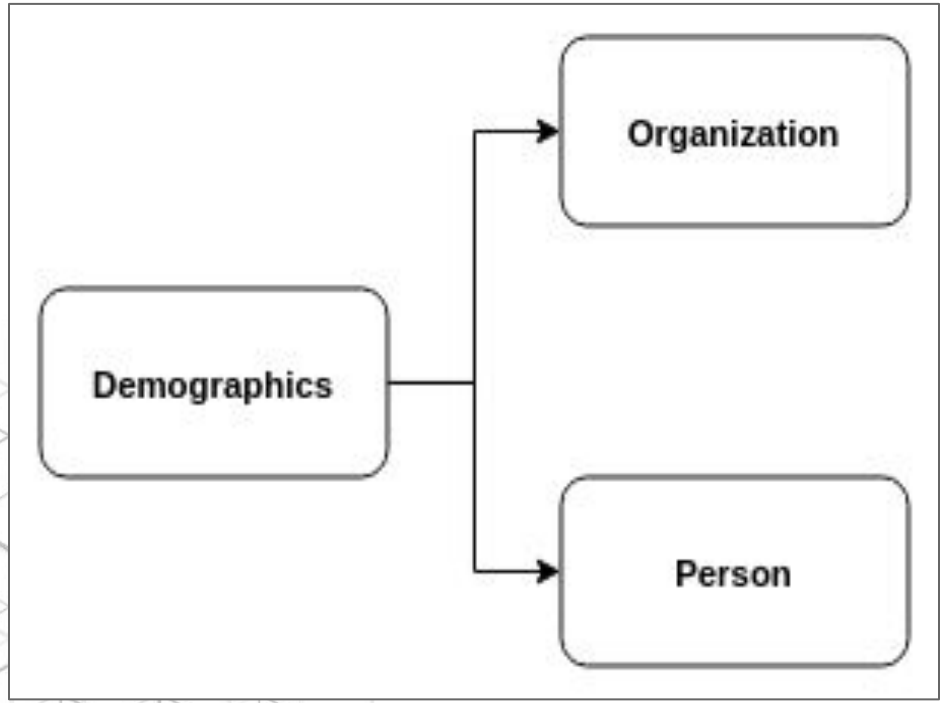


- *Organization* - Holds the minimal data required for authorization along with the hierarchy
- *Patient* - Holds the minimal data including mapping to ehrId
- *User* - Holds the minimal data required for authentication & authorization.
- *Role* - Used to define the operations a user can can carry out on the resources
- *Profession* - Defines the operations a user can can carry out on any clinical data set

AAA Continued ..

- *OrgPersonMapping* - Provides the mapping information of a person to organization
- *OrgUserMapping* - Provides the role mapping information of a user to organization
- OrgProfessionMapping -Provides the profession mapping information of a user to organization
- *Login* -
  - Manages the login of an individual.
  - Manages the change password.
  - Manages the forgot password.

DGS



- *Organization* - Holds the demographic data for the organization
- *Person* - Holds the demographic data for an individual.

VirtualFolder

- Virtual folder
  - Holds the associated compositionIds
  - Provides the personId, organizationId and reference to the compositionIds.
- Resources
  - Virtualfolder

Task Manager

- TaskManagement:
  - Holds the reference of the organization and a person along with task details and the user carrying out the task.
- Resources
  - Task

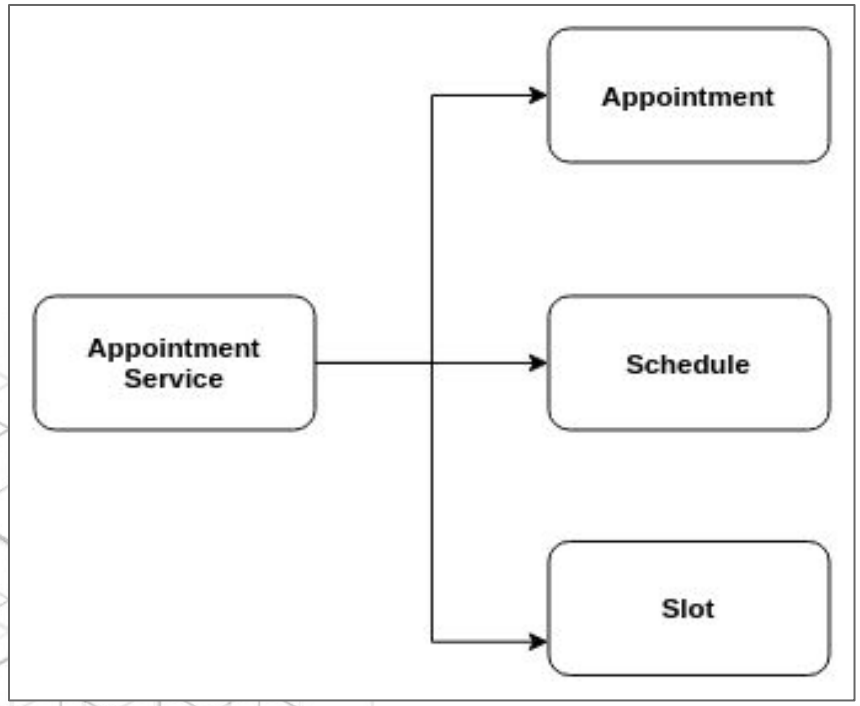
Notes

- Notes
  - Holds the note along with the reference to tags ,recipient id,organization id and the creator ID.
- HashTag
  - Holds all the hashtags created during the note creation.
- UserTag
  - Holds the usertags created during the note creation.

Notification

- Gateway
  - Used to manage the gateways that are to be used to deliver the notifications
  - Holds details like provider and other gateway details
- Notification
  - Used to manage notifications
  - Holds the details such as notification to, notification channel, scheduling etc.

Appointment Service



- Appointment
  - Holds all the details of an appointment between a user and a person.
  - Holds Reference to the slot(optional), practitioner, patient
- Schedule(optional)
  - Holds the schedule of a practitioner for the available appointment
- Slots(optional)
  - Slots are divided as required referring to the schedule

License Management

- Vendor
  - Holds the owner details for a product
- Product
  - Holds the product details like the count of licenses available,status of the product,trail duration and so on.
- Customer
  - Holds the customer details like id,tenant and status.
- Order
  - Holds the order details like id,quantity of licenses requested by the customer for a product.

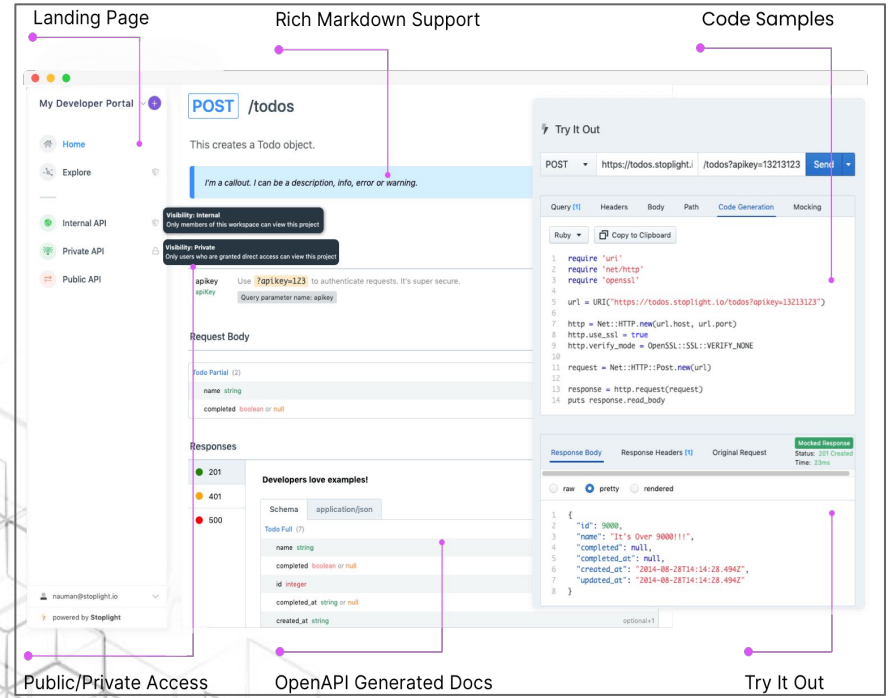
OpenAPI 3.0

- EHR.Network API docs compliant to OpenAPI 3.0.
- OpenAPI Specification is an API description format for REST APIs. It describes API details including:
  - Endpoints & operations on each endpoint (GET, POST etc)
  - Parameters such as request and response
  - Authentication requirements
  - Example JSONs
  - Contact information, license, terms of use and other information

Mock servers

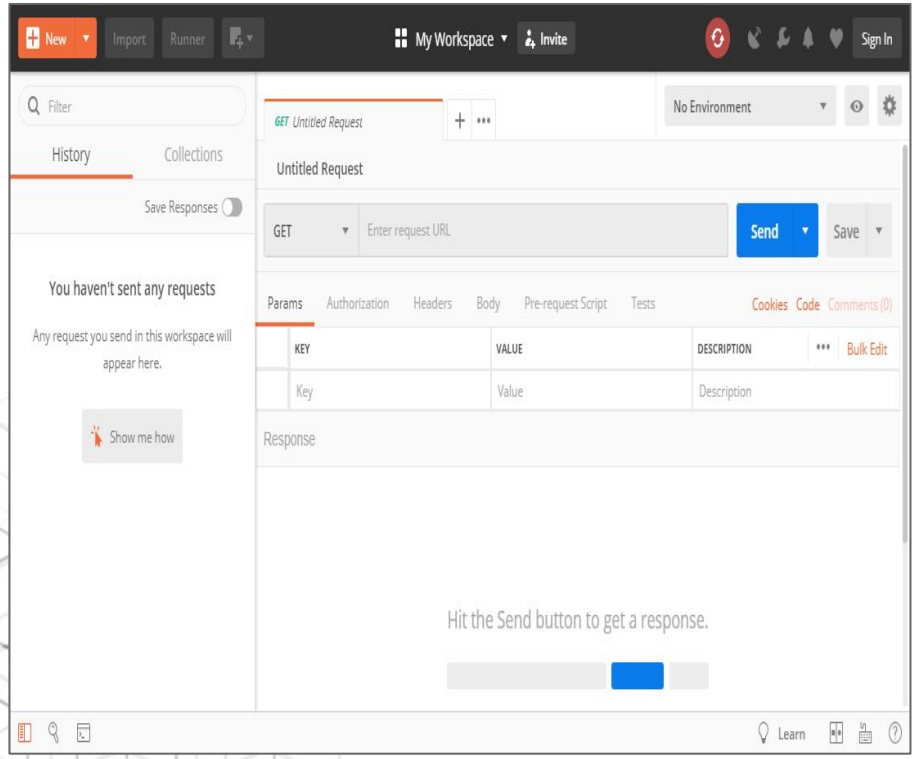
- Mock API server imitates a real API server by providing realistic mock API responses to requests
- MockServer enables easy mocking of any system you integrate with via HTTP or HTTPS with clients
- A mock API server is useful during development and testing.
- Advantages of mock server are as follows:
  - While designing an API, you can use mock APIs to work concurrently on the front and back-end.
  - Gather feedback from developers

Client Stub



- To use the client stub, clone the EHR.Network API specs repository
- Install Stoplight studio
- Run Stoplight studio, open the openapi.v1.yaml from the appropriate folder in the cloned repository
- Go to preview, try the APIs, generate code snippets etc.

Postman



- Clone the EHR.Network API specs repository
- Open Postman, click on import button and choose the “yaml” file from the required folder.
- A Postman collection that includes APIs, parameters, sample body, response examples and Postman environment are created automatically
- Try the APIs, generate code snippets etc.

EHR.Network
www.ehr.network

API References

- https://docs.ehr.network/apidocs/login.html
- https://docs.ehr.network/apidocs/person.html
- https://docs.ehr.network/apidocs/user.html
- https://docs.ehr.network/apidocs/organization.html
- https://docs.ehr.network/apidocs/ehr.html
- https://docs.ehr.network/apidocs/note.html
- https://docs.ehr.network/apidocs/appointment.html
- https://docs.ehr.network/apidocs/notification.html
- https://docs.ehr.network/apidocs/license.html
- https://docs.ehr.network/apidocs/task.html