eazyScripts API

version May.2022

Document Control

#	Name	Version	Date
1	Khuram	1.0	May 2022

Document Purpose

eazyScripts provides its ePrescribing services through multiple ways. The base of all these services is eazyScripts' API.

This document describes the pre-requisites and usage of eazyScripts API for prescription submission.
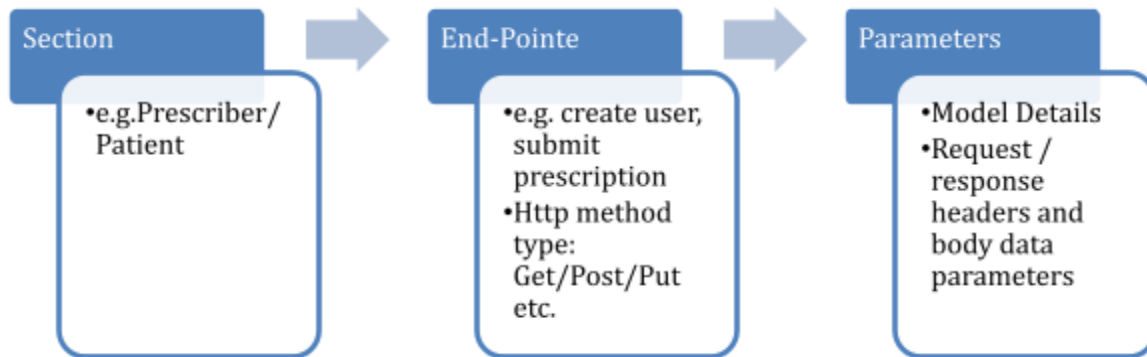
API Overview

Type: REST based.
Technology: ASP.net Core Web API 2

API Reference

eazyscripts' API complete reference is available on the Swagger link:
https://demo-app.eazyscripts.com.
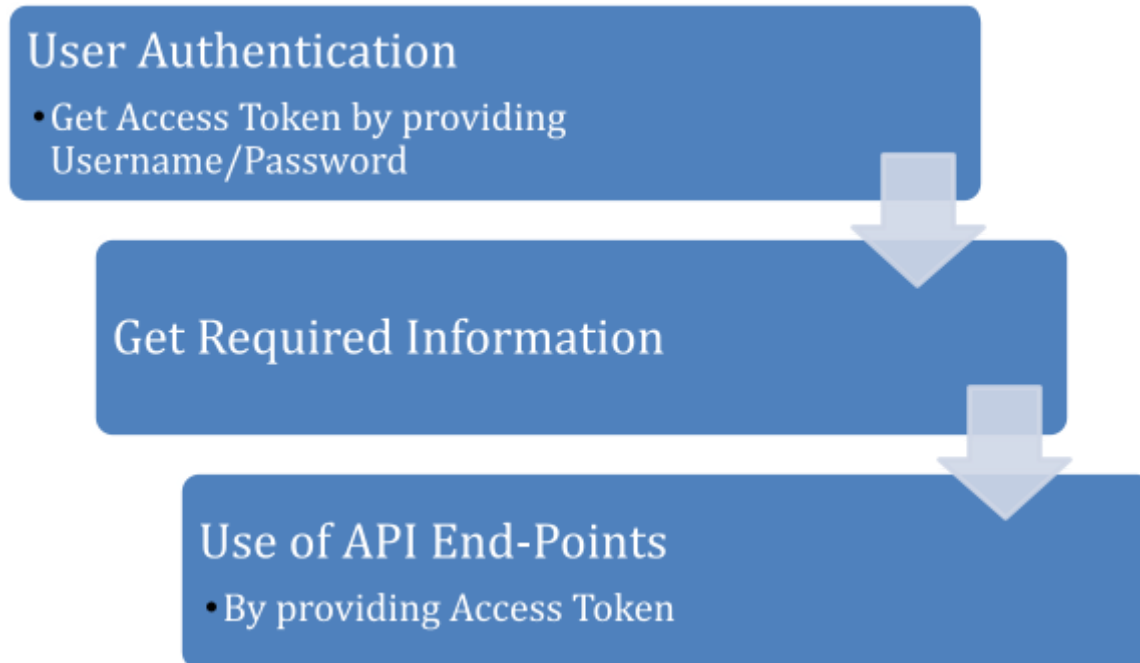Swagger provides a thourogh reference guide like:

Swagger also provides live testing of each end-point by going through the **Try It Now** option.

Prerequisites

A new **Sub-Domain** on eazyScripts system is created on adding a new client in eazyScripts system. An **API Key** and **API Secret** Code is also provided along with the sub-domain. API key and secret code is used for prior identification and authentication of the consumer client.
A system **Default User** is also created after sub-domain creation. This user can create further users for API usage.

API Usage Process Flow

User Authentication
- Get Access Token by providing Username/Password

Get Required Information

Use of API End-Points
- By providing Access Token

Step 1: User Authentication and Get Access Token

URL: /Api/V3/{subdomain}/Account/Authenticate
Method: POST
Input: username, password, subdomain, app key, app secret
Output: Access Token (If successful).

Access Token

On successful authentication a unique key called Access Token is generated. This token will be used in further API calls in iFrame, instead of username, password of the user.

Step 2: Get Required Information

If it's assumed that a prescriber is authenticated and got an access token from Step1. For an example, submission of a new prescription is required by using that access token. The Prescription Submit end-point requires some information as an input. As the following information is required for prescription submission, which needs to be get by calling some other end-points:

Information	Required	Source

Patient ID*	Yes	Can be searched from:
		`/Api/Public/V3/{subdomain}/Patients`
		Or
		`/Api/Public/V3/{subdomain}/Patients/SearchByUserName`

Medicine ID	Yes	Can be searched from:
		Search by Name:
		`/Api/Public/V3/{subdomain}/Medicines`
		
		Search by NDC
		`/Api/Public/V3/{subdomain}/Medicines/ndc/{ndc}`

Prescriber Location ID	Optional	Taken from Step1. in case the prescriber has multiple locations, the current location can be specified here.

Pharmacy ID	Yes	A pharmacy can be searched by different ways:
		
		Search by NCPDP ID:
		`/Api/Public/V3/{subdomain}/Pharmacies/ncpdp`
		
		Search by area / zip code etc.
		`/Api/Public/V3/{subdomain}/Pharmacies/Geography`
		
		Search by multiple filters
		`/Api/Public/V3/{subdomain}/Pharmacies/AdvancePharmacySearch`

Step 3: Final Step: Submit Prescription

End-Point: /Api/Public/V3/{subdomain}/Patients/{id}/Prescriptions/Submit
Http Method: Post
Input Parameters: Sub-Domain, Access Token and the following JSON input (information got from Step2)

```
{
  "id": "1174", // Patient ID
  "PrescriberId": 1470,
  "BenefitPlanId": 4830,
  "medicineId": 88821,
  "PharmacyId": 9657,
```

```
  "PharmacyType": 0,
  "Quantity": 5,
  "Duration": 4,
  "Refills": 0,
  "PotencyUnitCodeId": 70,
  "Notes": "testNotes",
  "Strength": "100 MG",
  "Direction": "take 2 tablets (200 mg) by oral route every 4 hours as needed with food",
  "IsPriorAuthorizationRequired": false,
  "IsPRN": false,
  "IsSubstitutionAllowed": true,
  "SupervisorId": null,
  "WrittenDate": "2019-06-28",
  "ConsultationId": "1-1470-1174-1561669182251",
  "RefillRequestId": null,
  "Alerts": null,
  "Others": null,
  "IsCompounded": false
}
```

Response:

```
[
  {
    "id": "1174",
    "PrescriberId": 1470,
    "BenefitPlanId": 4830,
    "medicineId": 88821,
    "PharmacyId": 9657,
    "PharmacyType": 0,
    "Quantity": 6,
    "Duration": 7,
    "Refills": 0,
    "PotencyUnitCodeId": 70,
    "Notes": "test",
    "Strength": "100 MG",
    "RequestId": null,
    "Direction": "take 2 tablets (200 mg) by oral route every 4 hours as needed with food",
    "IsPriorAuthorizationRequired": false,
    "IsPRN": false,
    "IsSubstitutionAllowed": true,
    "SupervisorId": null,
    "WrittenDate": "2019-06-26",
    "ConsultationId": "1-1470-1174-1561669523710",
    "RefillRequestId": null,
    "Alerts": [
      {
        "Type": 3,
        "Text": "Check <b>ADVIL 100 MG TABLET</b> for the presence of '<b>peanut</b>'. This patient's profile indicates 'peanut'  is listed on the patient�s profile as an allergen, and 'peanut' is considered a potentially inactive ingredient.",
```

```
      "Notes": "test"
    }
  ],
  "IsCompounded": false,
  "PrimaryDiagnosisId": null,
  "SecondaryDiagnosisId": null
 }
]
```