

Design Logic App Api and complete configuration as shown

The image displays three screenshots from the Microsoft Azure portal, illustrating the configuration of a Logic App API.

Top Screenshot: Logic app designer
The Logic app designer interface is shown. The workflow starts with a trigger "When a HTTP request is received" followed by an action "Response". A red text overlay states: "Complete the logic app design as required".

Middle Screenshot: Workflow settings
The "Workflow settings" page is displayed. The "Access control configuration" section is highlighted, showing "Specific IP ranges" selected for the trigger access option. The "IP ranges for triggers" field is populated with "13.90.129.0". The "Integration account" section is also visible.

Bottom Screenshot: myapimgmtsvc - API Management service
The API Management service overview page is shown. The "Virtual IP (VIP) address" is highlighted, showing "public: 13.90.129.0". The "Gateway errors" section displays a bar chart with values 6, 4, and 3. The "Gateway requests" section displays a bar chart with values 3.65, 4, and 3.

Test Logic app api directly to ensure no direct access

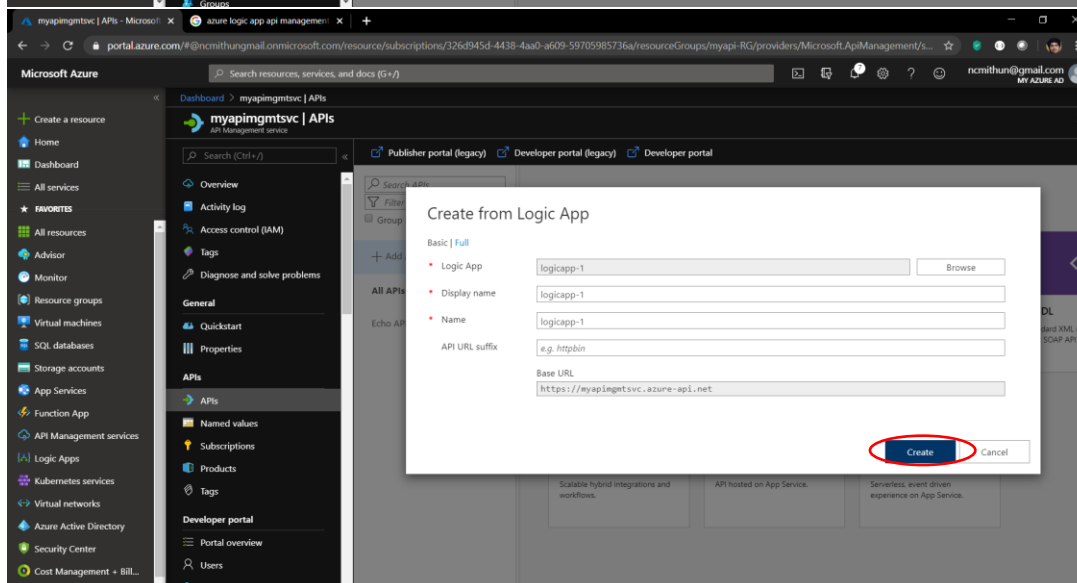
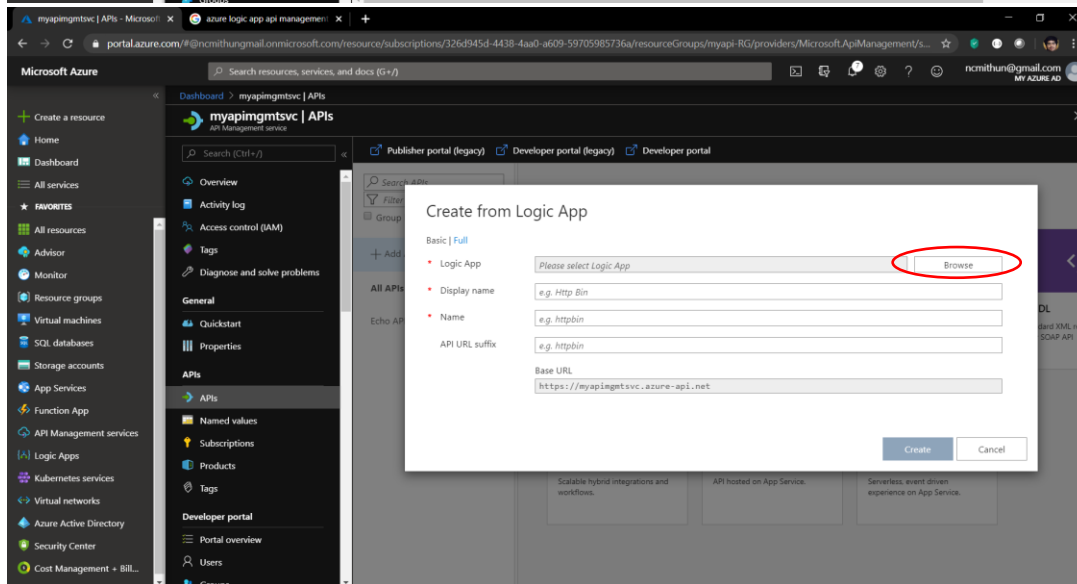
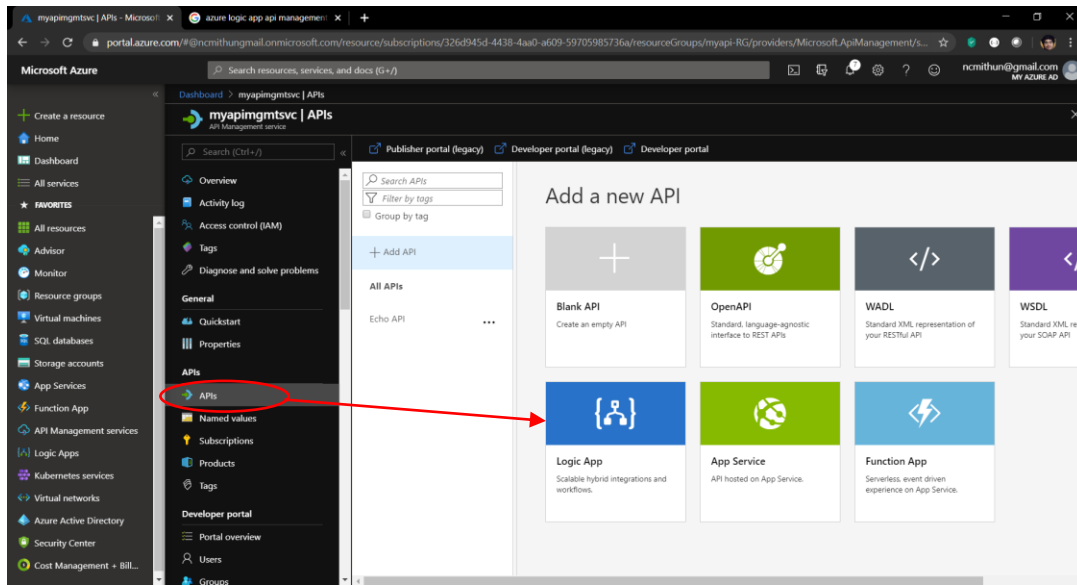
Postman interface showing a GET request to an Azure Logic App API endpoint. The request is titled "Untitled Request" and is a GET method. The URL is `https://prod-44.eastus.logic.azure.com:443/workflows/3c582ea6b388480bd99daa260710303/triggers/manual/paths/invoke?api-version=2016-10-01&sp...`. The request has four query parameters:

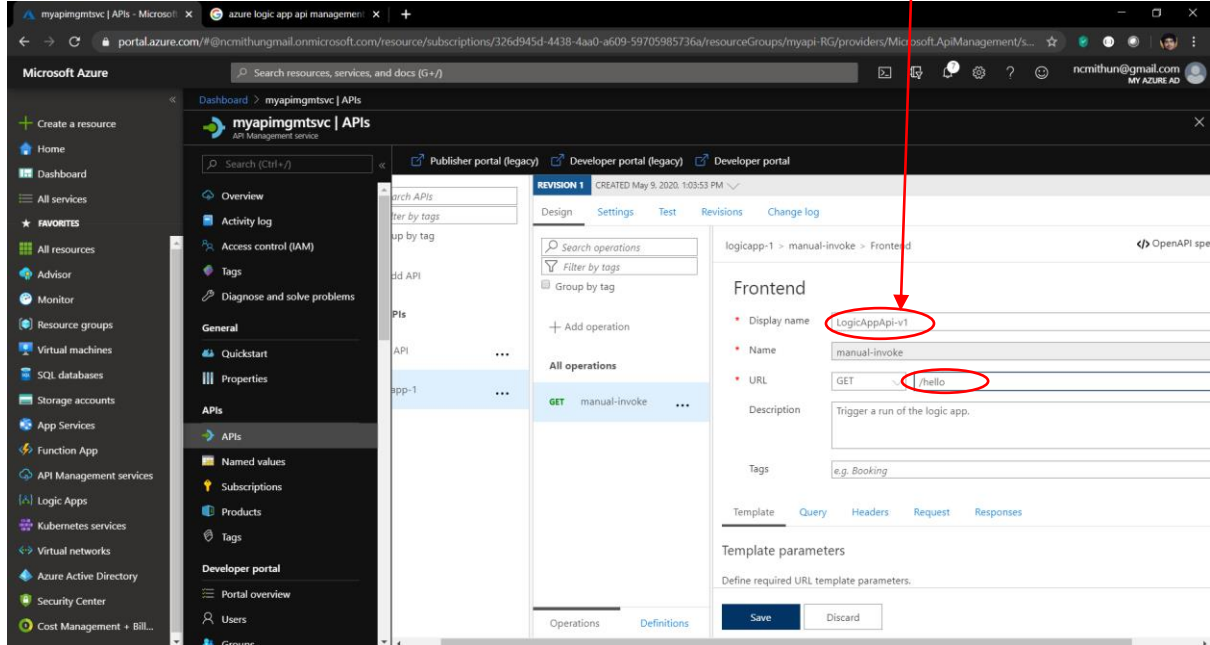
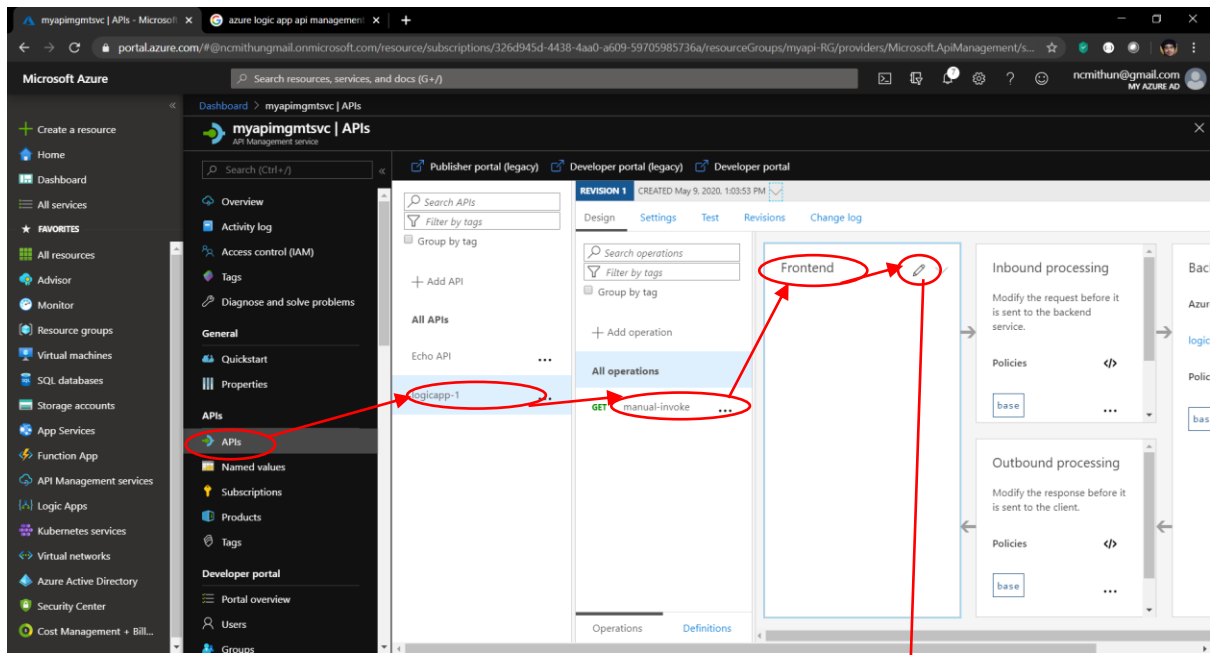
KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> api-version	2016-10-01	
<input checked="" type="checkbox"/> sp	%2Ftriggers%2Fmanual%2Frun	
<input checked="" type="checkbox"/> sv	1.0	
<input checked="" type="checkbox"/> sig	IYPkOII4F6ZQsb_Qm91wahZn8RjEgtVq44gbGVNrt4	

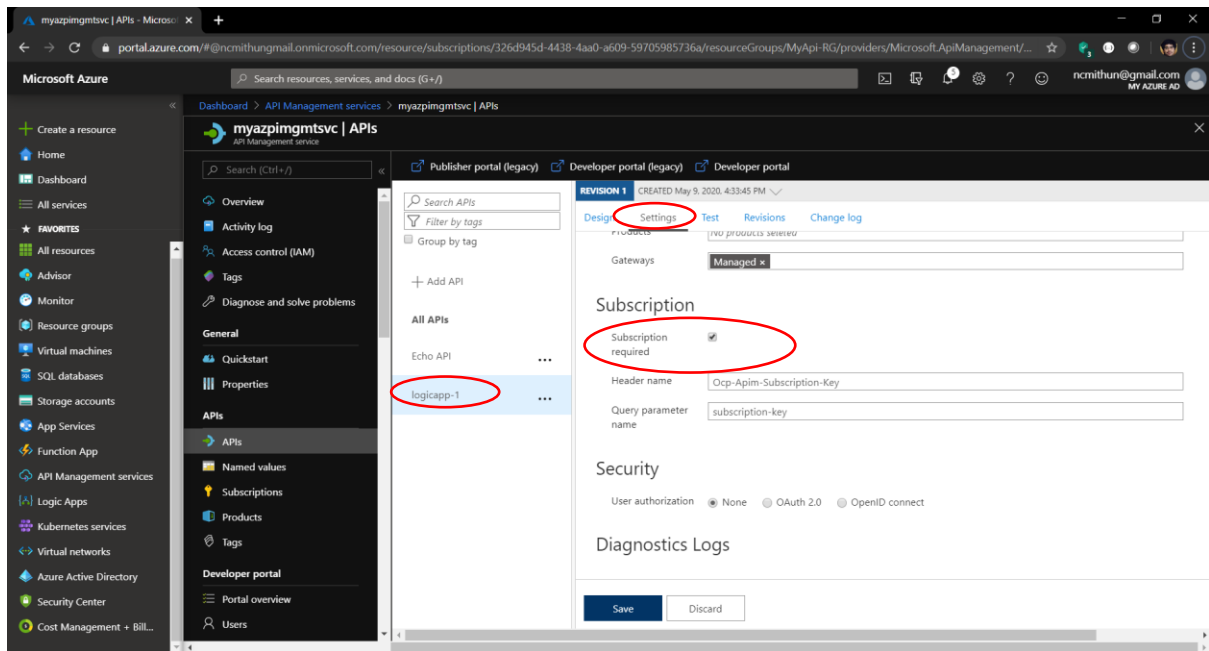
The response status is 401 Unauthorized, with a time of 242 ms and a size of 509 B. The response body is a JSON object:

```
1 {
2   "error": {
3     "code": "AuthorizationFailed",
4     "message": "The client IP address '49.206.229.41' is not in the allowed caller IP address ranges specified in the workflow access control configuration."
5   }
6 }
```

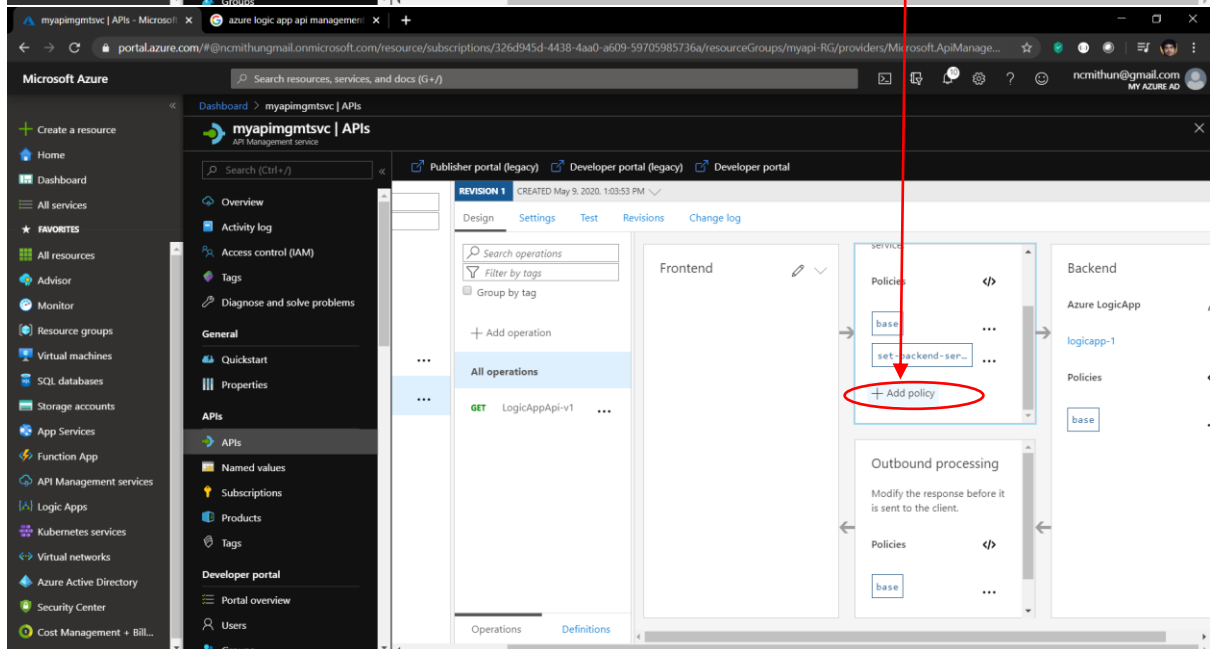
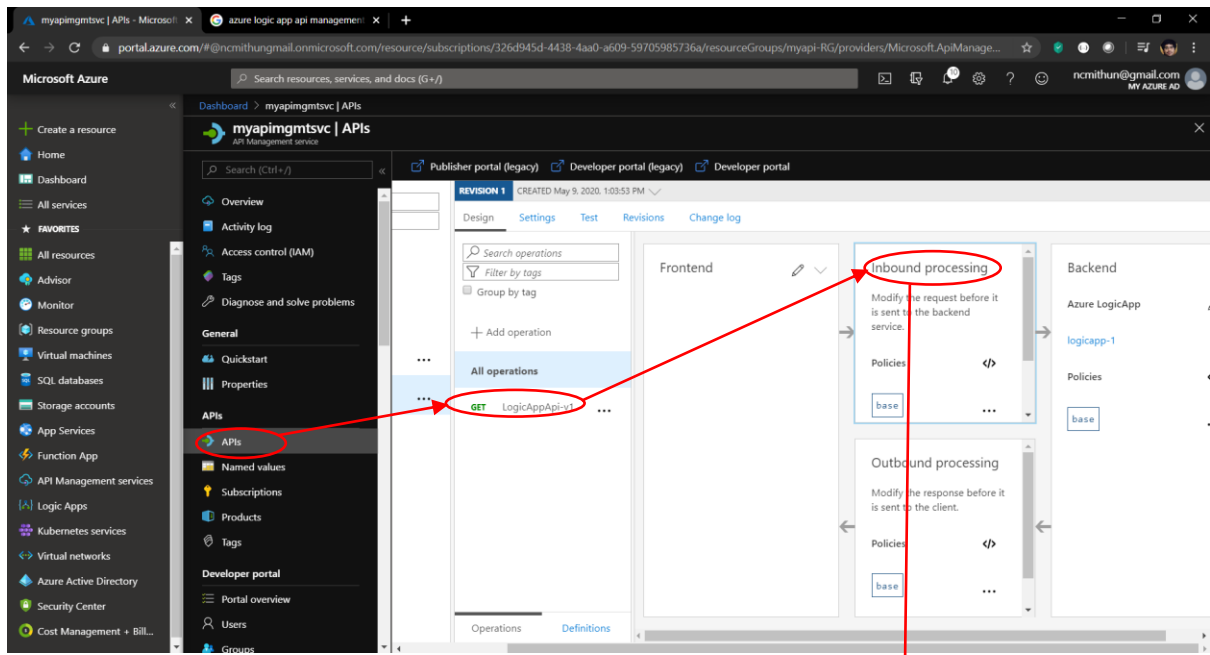
Configure Azure API as shown

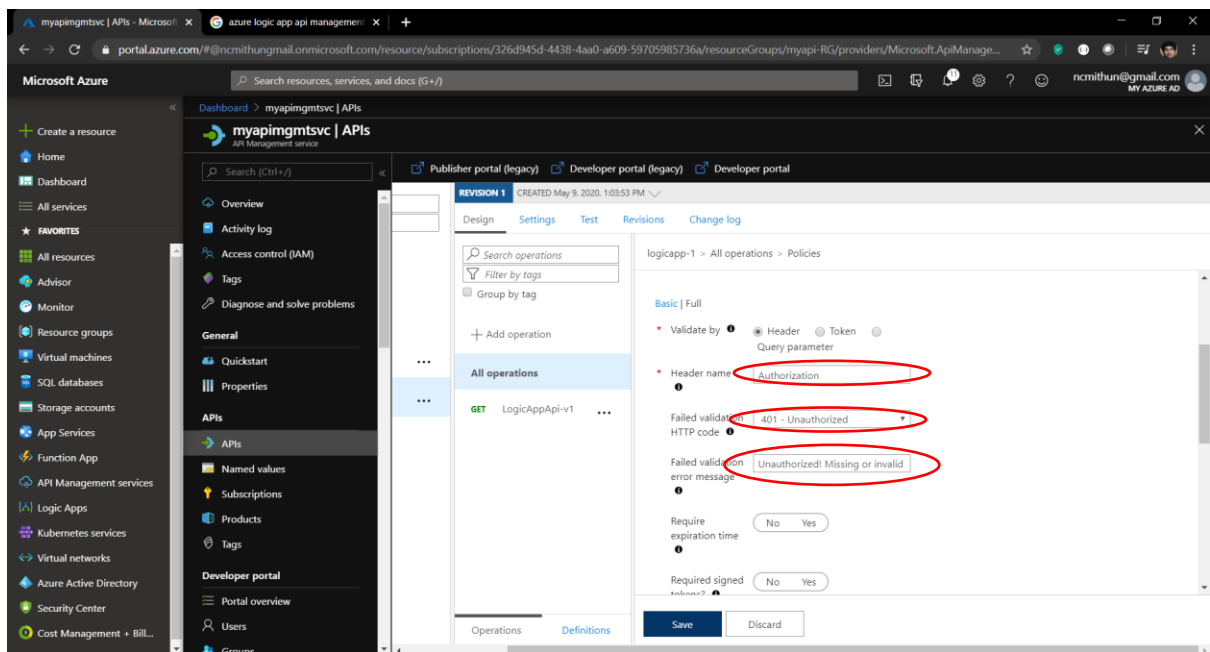
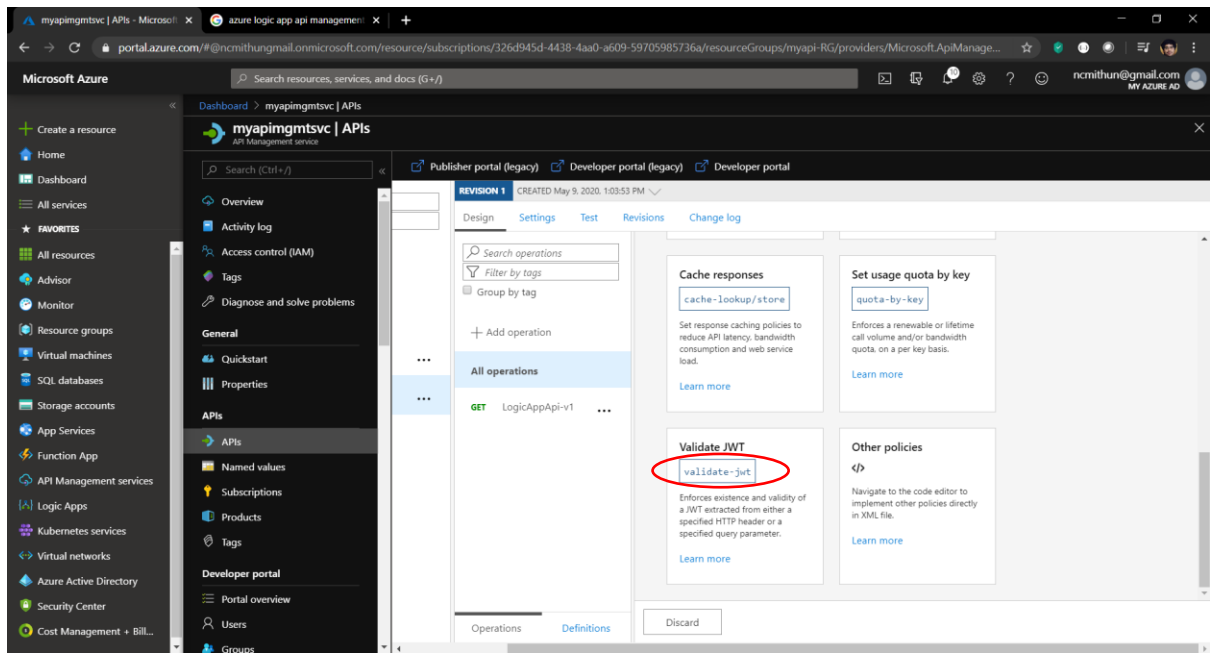


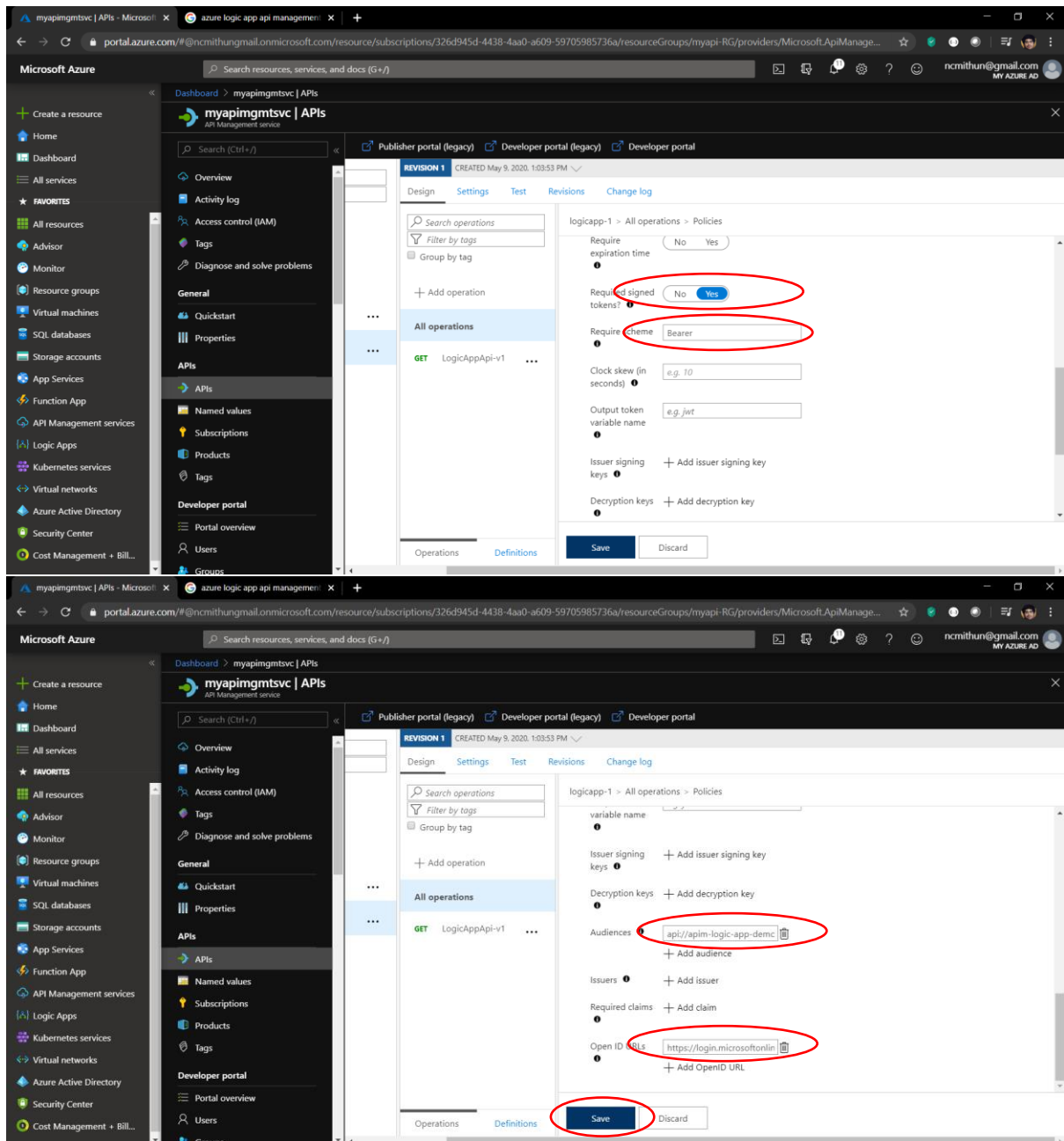




Uncheck subscription required







Set the following

Validate by - Header

Header name - Authorization

Failed validation HTTP code – 401 – Unauthorized

Failed validation error message - Unauthorized. Missing or invalid token.

Required signed tokens? - Yes

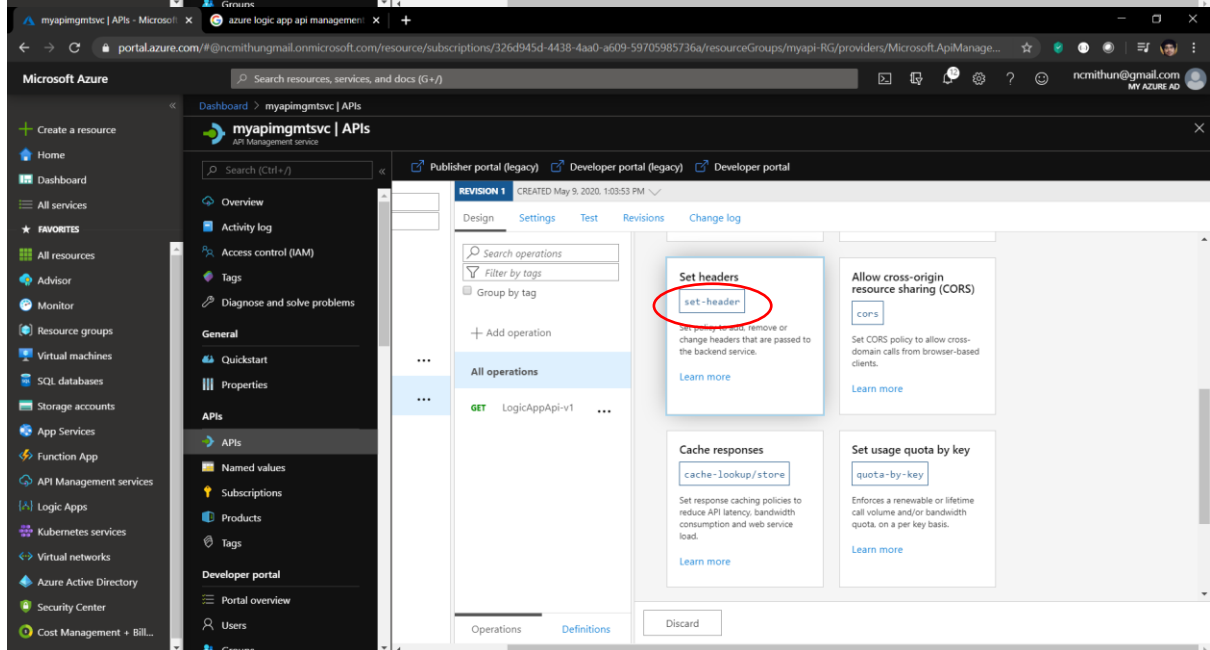
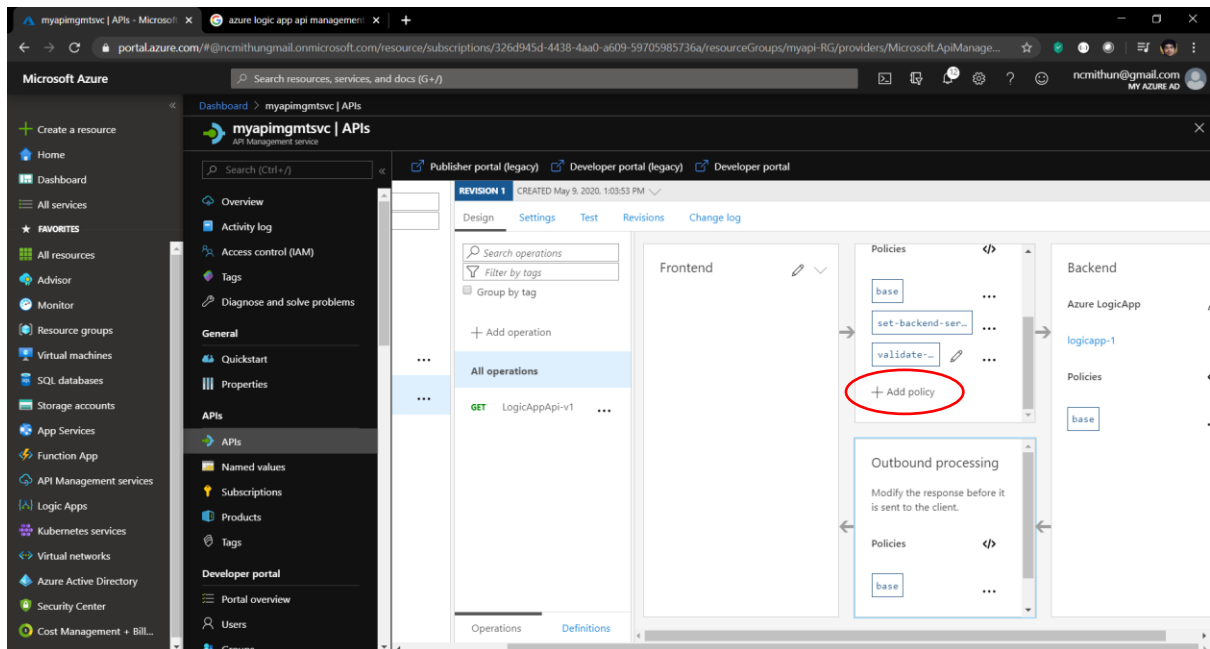
Audiences - api/apim-logic-app-demo (should match with **Dashboard >> Azure Active Directory >> App registrations >> <Client App> >> Expose an API >> Application ID URI** which is done later in the document)

Require scheme - Bearer

Open ID URLs - https://login.microsoftonline.com/4ea6445f-e804-4e09-96c0-4fe22644a40d/.well-known/openid-configuration (where 4ea6445f-e804-4e09-96c0-4fe22644a40d is tenant id)

Policy code for Validate JWT

```
<policies>
  <inbound>
    <base />
    <set-backend-service id="apim-generated-policy" backend-
id="LogicApp_logicapp-1_MyApi-RG_326d945d44384aa0a60959705985736a" />
    <validate-jwt header-name="Authorization" failed-validation-
httpcode="401" failed-validation-error-message="Unauthorized. Missing or
invalid token" require-scheme="Bearer" require-signed-tokens="true">
      <openid-config url="https://login.microsoftonline.com/4ea6445f-
e804-4e09-96c0-4fe22644a40d/.well-known/openid-configuration" />
      <audiences>
        <audience>api://apim-logic-app-demo</audience>
      </audiences>
    </validate-jwt>
  </inbound>
  <backend>
    <base />
  </backend>
  <outbound>
    <base />
  </outbound>
  <on-error>
    <base />
  </on-error>
</policies>
```



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Design Settings Test Revisions Change log

Search operations Filter by tags Group by tag

+ Add operation

All operations

GET LogicAppApi-v1

Inbound processing

Modify the request before it is sent to the backend service.

Set headers

Set policy to add, remove or change headers that are passed to the backend service.

Learn more about "set-header" policy.

NAME	VALUE	ACTION
Authorization		delete

+ Add header

Operations Definitions Save Discard

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All operations

GET LogicAppApi-v1

Frontend

base

set-backend-ser-

validate-

set-header

Backend

Azure LogicApp

logicapp-1

Policies

base

Outbound processing

Modify the response before it is sent to the client.

Policies

base

My Azure AD | App registrations

Search resources, services, and docs (G+)

Dashboard > My Azure AD | App registrations

My Azure AD | App registrations

Overview
Getting started
Diagnose and solve problems

Manage
Users
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Organizational relationships
Roles and administrators
Administrative units (Preview)
Enterprise applications
Devices
App registrations
Identity Governance
Application proxy
Licenses
Azure AD Connect
Custom domain names
Mobility (MDM and MAM)

+ New registration Endpoints Troubleshooting Got feedback?

Welcome to the new and improved App registrations (now Generally Available). See what's new and learn more on how it's changed. →

All applications Owned applications Applications from personal account

Start typing a name or Application ID to filter these results

Display name	Application (client) ID	Created on	Certificates & secrets
MA My Api	2c1e8fcd-fc8c-4f3d-8e85-92134f4f68ad	5/8/2020	Current
ML My Logic App Api Client	cb80f9ed-b4d3-4d14-b363-f787ec288c...	5/9/2020	Current

Register an application - Micros...

portal.azure.com/#blade/Microsoft_AAD_IAM/ActiveDirectoryMenuBlade/RegisteredApps

Microsoft Azure

Search resources, services, and docs (G+)

Dashboard > My Azure AD | App registrations > Register an application

Register an application

Name
The user-facing display name for this application (this can be changed later).
My Logic App Api Client - v1 ✓

Supported account types
Who can use this application or access this API?
☒ Accounts in this organizational directory only (My Azure AD only - Single tenant)
☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant)
☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
Help me choose...

Redirect URI (optional)
We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.
Web e.g. https://myapp.com/auth

By proceeding, you agree to the Microsoft Platform Policies

Register

The top screenshot shows the 'Expose an API' page for 'My Logic App Api Client - v1'. The 'Application ID URI' is set to 'Set'. The 'Scopes defined by this API' section shows 'No scopes have been defined'. The 'Authorized client applications' section shows 'No client applications have been authorized'.

The bottom screenshot shows the same page after configuration. The 'Application ID URI' is set to 'api/apim-logic-app-demo'. The 'Scopes defined by this API' section shows a table with one scope:

Scopes	Who can consent	Admin consent display	User consent display n...	State
api/apim-logic-app-demo/CallApi	Admins and users	CallApi		Enabled

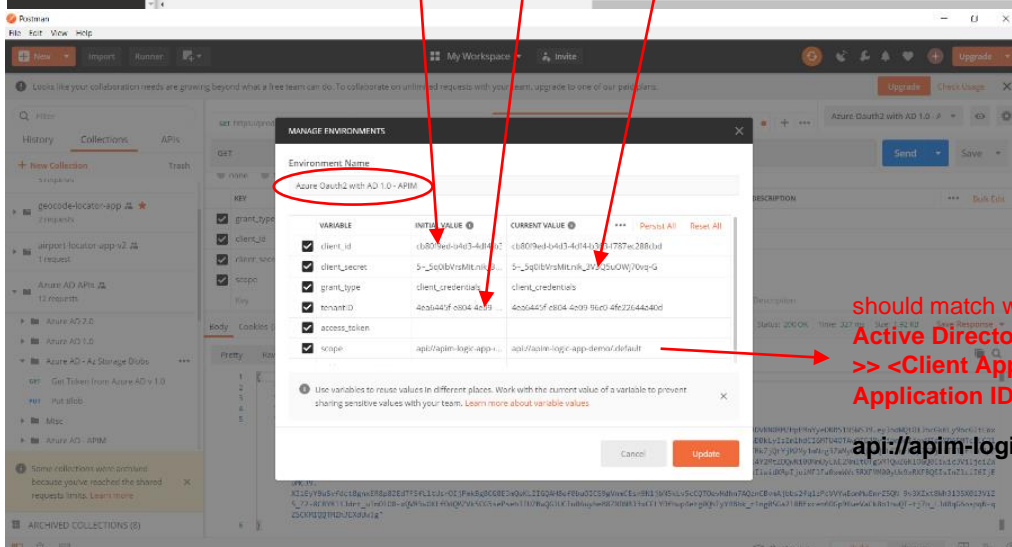
The 'Authorized client applications' section shows a table with one client application:

Client Id	Scopes
04b07795-8ddb-461a-bbee-029e1bf7b46	1

For client id, use command –

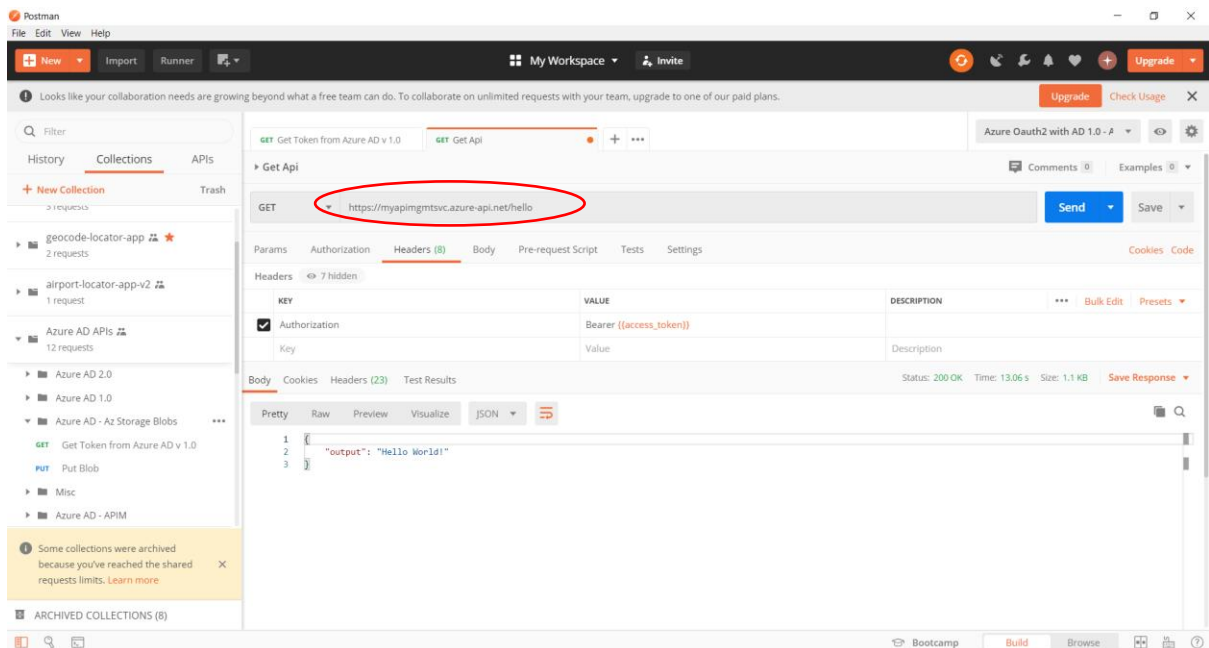
az account get-access-token

Parse the token using - <https://jwt.io/> and look for AppId



should match with Dashboard >> Azure
Active Directory >> App registrations
>> <Client App> >> Expose an API >>
Application ID URI

```
api://apim-logic-app-demo/.default
```



```
az rest --uri "https://myazpimgmtsvc.azure-api.net/hello" --method GET --headers "Authorization
Bearer <token>" --resource "api://apim-logic-app-demo"
```