Apigee :

1st : create the apigee proxy :

* - > go to the apigee dashboard -- > click on API proxy -- > click on +Proxy - > reverse proxy - > name the proxy -- > give base path (it can be what we want to in proxy url base: like-> alarmcrate/health) - > existing api ( we need to give which services api we want to use in this proxy - > so service api or get or post methods url from service controller ) - > next
* 2nd: we need to specify security group - > specify virtual host (this is given by apigee)
* 3rd: we can check test it from trace ( click on creaed proxy - > click on trace - > start trace - > and hit the url provided by apigee from postman - > and see result )

How to add policy in proxy :

* - > click on newly created proxy - > click on develop tab - > click on pre flow or post flow ( pre flow is incoming to application , post flow is out going from application flow) - > click on +step tab - > we can see multiple api policy - > chose one of them according to - > added policy in proxy

2nd : Adding api key verification :

* - > click on newly created api proxy - > click on develop tab - > - > click on preflow tab - > click +step tab - > choose “verify API key” - > click add

Now we need to follow some procedure to wrap the api key to proxy and get validation :

1st step : find “publish” tab - > API product - > + Add Product - > give name - > and include the api proxy we just created ( under resources - > +API Proxy ) - > click save

2nd step : now we need developer :

* - > publish -- > developer -- > + Developers - > Give the relevant information - > create

3rd Step : create the app that is authorized to that product

* - > publish - > apps - > +App - > name the app with provided developers - > + Product - > save
* -> now click on the newly created app - > go to credential sectin - > click on consumer key (show , hide) - > we will consumer key

Main concept behind api key verification :

* Products wrap api proxy
* Apps have api key (consumer key) that authorize api products
* Developers knows the apps

------- --- How to create shared flow-----

Shared flow is the common policy or procedure for multiple proxy

1st Step:

develop -> create sharedflow 🡪 new shared flow 🡪 name the shared flow -> deploy shared flow -> click on newly created sharedflow -> click on develop -> +Step -> attachpolicy ->

2nd Step : Click on proxy (which use shared flow) -> preflow -> +Step -> name (Flow callout-1) can find in policy list ->shared flow (Select the shared flow which we made before ) -> add

----- ---------- How to use KVM for the auth key in APIGEE-----------

1st step :

API’s tab 🡪environment config -> Key value map -> +key value map -> name ->encrypted or not optional -> click on provided name -> +Entry 🡪 give key 🡪 give value (apikey value) -> save

2nd step:

How to retrieve the key value in run time

--- >> select proxy -> develop -> preflow -> +Step -> key value map operations (pick from policy ) -> remove all except <Get > from policy xml -> add in head “mapIdentifier “=”name of kvm given in KVM in apigee -> save the api

------ How to use apikey verify policy-----

Click on proxy -> +Step -> verify api key (From list) -> add -> we added api key in proxy

Note : we need to add KVM and assignMessaage “ policy to use api key verify (KVM can store the value in apigee edge database on the key value mapping manner )