Apigee-Okta OAuth - Password Grant Flow with Okta as the IdP and AS
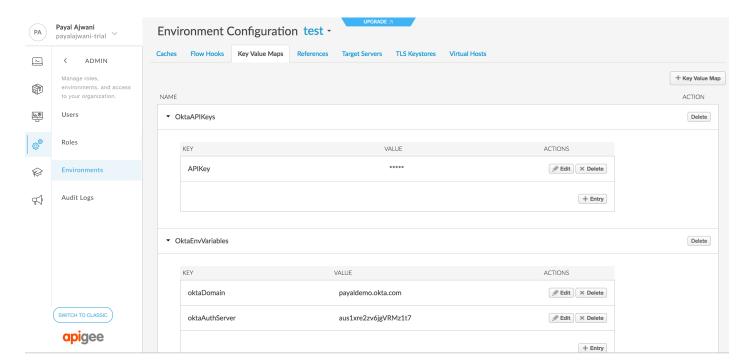
Okta Setup:
- Create API Token for API calls
- Create Authorization Server
- Add a policy with "All Clients" to start with
- Add a rule with resource Owner Password checked
- Create Group that matches the Apigee AppName (see step later during Apigee set-up)
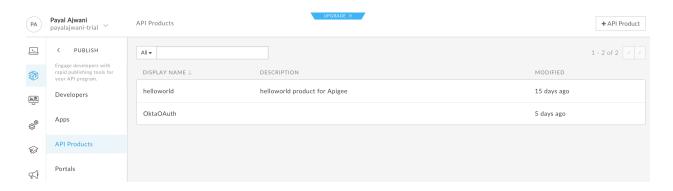- Add users to this group

Apigee Set-up:
- Import OktaOauth Proxy as a Proxy Bundle
- Set up Key Value Maps for **test** environment – Admin->Environment –> Select Test
→Key Value Maps

- Add KVM OktaAPIKeys as the value and check on Encrypted
- Add Entry in the KVM for "APIKey" and value "SSWS Your Okta API token" (This is used for the API calls to Okta)
- Similarly, create another KVM called **OktaEnvVariables** (Don't check the encryption flag)

And add entries for **oktaDomain** (your okta instance – example.okta.com and **oktaAuthServer** (id for the AS that you created during Okta set up) as shown in the picture below:

- Deploy the API Proxy in **test**.

- Set up **API product** for test environment.

 + API Proxy and select the APIProxy – OktaOAuth.

- Set up Developer App and create a group in Okta with the same name (this is the assumption now that the group name is same as the app name, but can be changed based on business requirements). Select the API product.

Copy the URL from the proxy and the endpoint :

Deployments

Environment	Revision	Status	URL
test	1	🟢	https://payaldemo-test.apigee.net/oktaoauth

Proxy Endpoints

Name	Base Path	Target Endpoints
▾ default	/oktaoauth	*none*

Endpoint Flow Name	Method	Path / Condition
PreFlow	ALL	*n/a*
AccessTokenRequest	ALL	/token
DefaultNotFound	ALL	*none*
PostFlow	ALL	*n/a*

Run it in postman: (use attached postman collection)

Set up ClientID and Client Secret as Authorization header

POST ⌄	https://payaldemo-test.apigee.net/oktaoauth/token		P

Authorization ● Headers (3) Body ● Pre-request Script Tests

	Key	Value	Descript
☑	Accept	application/json	
☑	Content-Type	application/x-www-form-urlencoded	
☑	Authorization	Basic TUNSY1dtZ0VhTjhrYUl3YmdJcVUwYmk3MW...	
	New key	Value	Descri

Apigee Passwd grant Get Access Token Demo

Examples (0) ⌄

POST ⌄	https://payaldemo-test.apigee.net/oktaoauth/token	Params	**Send** ⌄	Save ⌄

Authorization ●   Headers (3)   Body ●   Pre-request Script   Tests   Coc

○ form-data   ● x-www-form-urlencoded   ○ raw   ○ binary

	Key	Value	Description	⋯	Bulk Edi
☑	grant_type	password			
☑	user	{{username}}			
☰ ☑	password	{{password}}			
☑	redirect_uri	https://requestb.in/1ea6sfl1			
☑	scope	offline_access			
	New key	Value	Description		

Body   Cookies   Headers (5)   Tests   Status: **200 OK**   Time: **689 ms**

Pretty   Raw   Preview   JSON ⌄ ⇄   ⧉ 🔍   Save Response

```
 1 ▾ {
 2       "refresh_token_expires_in": "0",
 3       "refresh_token_status": "approved",
 4       "api_product_list": "[OktaOAuth]",
 5 ▾     "api_product_list_json": [
 6           "OktaOAuth"
 7       ],
 8       "organization_name": "payaldemo",
 9       "developer.email": "ptsaipan@gmail.com",
10       "token_type": "BearerToken",
11       "issued_at": "1500400939678",
12       "client_id": "MCRcWmgEaN8kaIwbgIqU0bi71mBxm45z",
13       "access_token": "eyJhbGciOiJSUzI1NiIsImtpZCI6IjlCN3RtUXEgEcvZnRGUiZecVNFSi7ngFZ1WmdRS18zQHEZNQZvUkJrMGcifO
```