Generate token tableau (PHP/Laravel)

**App/Helpers/Tableau.php**

Function yang digunakan untung generate token tableau yang nantinya akan digunakan pada saat user ingin melihat tabel dari tableau

<?php

namespace App\Helpers;

use Firebase\JWT\JWT;

class Tableau

{

    public static function createToken($username, $secretId, $secretValue, $clientId, $scope)

    {

        $header = [

            'alg' => 'HS256',

            'typ' => 'JWT',

            'iss' => $clientId,

            'kid' => $secretId,

        ];

        $claimSet = [

            'sub' => $username,

            'aud' => 'tableau',

            'nbf' => time() - 100,

            'jti' => strval(time()),

            'iss' => $clientId,

            'scp' => explode(',', $scope),

            'exp' => time() + 100,

        ];

        $jwt = JWT::encode($claimSet, $secretValue, 'HS256', null, $header);

        return $jwt;

    }

}

**App/Http/Controller/TableauController.php**

Controller untuk menangani route /create-token, yang jika user mengakses route tersebut maka output yang keluar adalah token tableau

<?php

namespace App\Http\Controllers;

use App\Helpers\Tableau;

class TableauController extends Controller

{

    public function createToken()

    {

        $userName = "gforceid152@gmail.com";

        $secretId = "cea287f8-982e-405f-884c-365e23ce1fd8";

        $secretValue = "QkyyGUBua+bFvJz1wBDxLTbHRjAd8GgaH3uZufRnHM8=";

        $clientId = "734033af-2d5f-4119-ab59-3e23160abb85";

        $scope = "tableau:views:embed";

        $token = Tableau::createToken($userName, $secretId, $secretValue, $clientId, $scope);

        return response()->json($token, 200);

    }

}

**Tableau embedding menggunakan tableau-viz tag**

digunakan untuk mengambil data tabel yang ada di tableau

<tableau-viz

id="tableau-viz"

src="<URL KE TABLEAU>"

token="<TOKEN SETELAH DIGENERATE>">

</tableau-viz>

Base url : <https://prod-apsoutheast-a.online.tableau.com/t/gforceid152d2772da457/views/> (url untuk mengakses tabel)

js file : https://prod-apsoutheast-a.online.tableau.com/javascripts/api/tableau.embedding.3.latest.min.js

List data tableau yang bisa dicoba :

* Superstore/Overview
* Superstore/Product
* WorldIndicators/HealthIndicators
* WorldIndicators/Population