Silently Token Refresh Logic -

1 - **New Flow (RS256 JWT)** :

For this, implementation is quite simple. You need to just embed iframe in any HTML common section (“header” or “footer”) like following -

```
<script>
function prepareFrame() {
    var ifrm = document.createElement("iframe");
    ifrm.setAttribute("src", "https://accounts-auth0.topcoder-dev.com/");
    ifrm.style.width = "0px";
    ifrm.style.height = "0px";
    document.body.appendChild(ifrm);
}
window.onload = prepareFrame;
</script>
```

Note - Iframe url will be - https://accounts-auth0.topcoder-dev.com/ but should be configurable and dynamic (as need to change for prod as well) like - https://github.com/topcoder-platform/tc-online-review/blob/feature/RS256-IdToken/web/includes/inc_footer.jsp#L52-L60

2- **Current Flow (HS256 JWT)** : For the server side application if we get the expired token (or before expiry) we need to silently refresh it from identity-service. Example -

REST Call - GET https://api.topcoder-dev.com/v3/authorizations/1 need JWT token (v3jwt cookie value)as bearer authorization. Like following -

```
- curl --location --request GET 'https://api.topcoder-dev.com/v3/authorizations/1' \
--header 'Authorization: Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJyb2xlcyI6WyJUb3Bjb2RlciBVc2VyIiwiQ29ubmVjdCBNY
……..' \
```

```
Sample Response -
{
   "id": "4584171f:1748b0aa3ac:3bbc",
   "result": {
       "success": true,
       "status": 200,
       "metadata": null,
       "content": {
           "id": "1996500965",
```

```
            "modifiedBy": null,
            "modifiedAt": null,
            "createdBy": null,
            "createdAt": null,
            "token":
"eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJyb2xlcyI6WyJUb3Bjb2RlciBVc2VyIiwiQ29ubmVjdCBN
YW5hZ2VyIiwiYWRtaW5pc3RyYXRvciJdLCJpc3MiOiJodHRwczovL2FwaS50b3Bjb2Rlci1kZXYuY29tIiwiaG
----",
            "refreshToken": "o8VKf8P3pV3b4tD55lFFHf3kBCJ6ImOunv1bUN6sl3Hb_",
            "target": "1",
            "externalToken":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJlbWFpbCI6InNhY2hpbi5tYWhlc2h3YXJpMUB0b3Bjb2Rl
---",
            "zendeskJwt":
"eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJuYW1lIjoic2FjaGluLWt1bWFyLnRjZGV2IiwiZXh0ZXJu
----"
        }
    },
    "version": "v3"
}
```


So we can get a refresh token from Identity and set it in the cookie again.