



Doc ID 1001.9 - OIDC_IDTOKEN_VALIDATION_FAILURE

PERTAINS TO

- EBS Integration Kit - V 2.2.
- Oracle E-Business Suite - v12.1.3
- Oracle EBS Database - 12.1.0.1

ISSUE DESCRIPTION

Single Sign-On to EBS fails with the "OIDC-LM-3234" Error code in the browser.

*ErrorMessage - ERROR Unable to process the id token
com.nimbusds.jose.RemoteKeySourceException: Couldn't retrieve remote JWK set: Read timed out*

EIK Log entries and browser trace upon SSO failure:

```
2021-08-16T12:50:18.931-0700 ERROR Request Origination 63.235.13.14
2021-08-16T12:50:18.934-0700 DEBUG Resolving to view '/error' based on mapping [java.lang.Exception]
2021-08-16T12:50:18.935-0700 DEBUG Applying HTTP status 200
2021-08-16T12:50:18.941-0700 ERROR The Signature, issuer or aud is invalid
2021-08-16T12:50:18.942-0700 DEBUG Entering Getting properties
2021-08-16T12:50:18.943-0700 DEBUG Exiting Getting properties
2021-08-16T12:50:18.943-0700 WARN EIK exception: OIDC_IDTOKEN_VALIDATION_FAILURE
```

DIAGNOSIS

- The OIDC_IDTOKEN_VALIDATION_FAILURE error occurred due to the read time-outs between the EIK and PingFederate JWKS endpoint.
- The read time-outs occurred due to the network latency between the EIK kit and PingFederate JWKS endpoint which caused the connections/transactions to exceed the default read timeout configurable for the JWKS endpoint retrieval which is 500ms.

SOLUTION

- Deploy the EIK V 2.2.0.11 war file into the PingFederate deploy directory
- Add the following parameter into the EIK config file on all PingFederate runtime nodes in a clustered architecture: **jwks_connect_timeout=3000**
- The PingFederate services on all nodes needs to be re-started in order for the changes to take effect.

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