REMOVED_Migrating Custom Scope Validators

WSO2 Identity Server 5.5.0 supports configuring scope validators for a service provider. If you take a look at support for configuring scope validators in previous versions of WSO2 Identity Server (WSO2 IS), you will understand that,

- WSO2 Identity Server 5.4.0 and 5.4.1 supported setting JDBC Scope validators as a global configuration, but did not support configuring scope validators for a service provider. WSO2 Identity Server 5.4.0 and 5.4.1 also allowed you to create custom scope validators depending on your requirement.
- Versions older that WSO2 Identity Server 5.4.0 did not support configuring scope validators, but allowed you to create custom scope validators depending on your requirement.

Therefore, if you have added any custom scope validators to your existing version of WSO2 IS, and you want to migrate those custom scope validators to IS 5.5.0, follow the instructions below:

> ⊘ The instructions you need to follow to migrate your custom scope validators can vary depending on your implementation. You may not need to follow all the steps below in the same order. Be sure to follow the appropriate steps depending on your implementation.

1. If you have extended the `OAuth2ScopeValidator` and implemented your own scope validator, implement a new method called `getValidatorName()`. The name that you specify as the new method will be used in the database and the Management Console user interface.

   > ⚠️
   > # Note
   >
   > If you do not implement a new method, the canonical name of the class will be used in the database and the Management Console user interface.

2. If you have custom scope validators that you have configured globally, and you want to configure those scope validators in all service providers in WSO2 IS 5.5.0, add the following snippet to the appropriate migration script in the `<IS5.5.0_MIGRATION_TOOL_HOME>/migration-resources/migration-resources/5.5.0/dbscripts/step2/identity` directory.

   ```
   INSERT INTO IDN_OAUTH2_SCOPE_VALIDATORS (APP_ID, SCOPE_VALIDATOR)
     SELECT IDN_OAUTH_CONSUMER_APPS.ID, '<scopeValidatorName>'
       FROM IDN_OAUTH_CONSUMER_APPS;
   ```

   > ⚠️
   > # Note
   >
   > - If you have configured JDBC scope validators in IS 5.4.x, and you want to configure those JDBC scope validators in all service providers in IS 5.5.0, replace the `<scopeValidatorNam e>` place holder in the above snippet with `Role based scope validator`.
   > - If you have specified a name for the scope validator in step 1, then replace the `<scopeValid atorName>` place holder in the above snippet with that name. If you have not specified a name for the scope validator, you can use the canonical name of your custom scope validator class to replace the `<scopeValidatorName>` place holder in the above snippet.

3. If you want to use the XACML based scope validator introduced in WSO2 IS 5.5.0 together with your custom scope validators, add the following line under `<ScopeValidators>` in the `<IS_HOME>/repository/conf /identity/identity.xml` file:

```
<ScopeValidator class="org.wso2.carbon.identity.oauth2.validators.xacml.
XACMLScopeValidator"/>
```