OAuth - Misc.

Google Cloud

Refreshing tokens

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<OAuthV2 async="false" continueOnError="false" enabled="true" name="RefreshToken">
    <DisplayName>OAuth Refresh Token</DisplayName>
    <Operation>RefreshAccessToken</Operation>
    <ExpiresIn>86400000</ExpiresIn>
    <ReuseRefreshToken>true</ReuseRefreshToken>
    <GrantType>request.queryparam.grant_type</GrantType>
    <RefreshToken>request.formparam.refresh_token</RefreshToken>
    <GenerateResponse/>
</OAuthV2>
```

```
curl -v -u "vn0zG4cnSWaWIzdwBZgnREI1NGORDXXz:uZt7LeDbq7vX90NP"
-d "grant_type=refresh_token&refresh_token=LRYvVXXgWwbuEZivoe8XvZE2WPdzX9fp"
"http://myorg-test.apigee.net/v1/oauth/refresh_accesstoken"
```

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Invalidating access and refresh tokens

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<OAuthV2 async="false" continueOnError="false" enabled="true" name="InvalidateToken">
    <DisplayName>OAuth Invalidate Token</DisplayName>
    <Operation>InvalidateToken</Operation>
    <Tokens>
      <Token type="accesstoken" cascade="true">request.queryparam.access_token</Token>
       <Token type="refreshtoken" cascade="true">request.queryparam.refresh_token</Token>
    </Tokens>
</OAuthV2>
```

Access token attributes

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<OAuthV2 async="false" continueOnError="false" enabled="true" name="oauth-generate-token">
    <DisplayName>OAuth Generate  Token</DisplayName>
    <Operation>GenerateAccessToken</Operation>
    <ExpiresIn>86400000</ExpiresIn>
    <SupportedGrantTypes>
      <GrantType>client_credentials</GrantType>
    </SupportedGrantTypes>
    <GrantType>request.queryparam.grant_type</GrantType>
    <Attributes>
        <Attribute name="attr_name1" ref="flow.variable" display="true|false">value1</Attribute>
        <Attribute name="attr_name2" ref="flow.variable" display="true|false">value2</Attribute>
    </Attributes>
</OAuthV2>
```

GetOAuthV2Info to retrieve access token attributes

```
<GetOAuthV2Info name="GetTokenAttributes">
  <AccessToken ref="request.queryparam.access_token"></AccessToken>
</GetOAuthV2Info>
```

Variables

apigee.access_token		= 15fVAgbJc2a5rzGeApdlZ8oemR5i
apigee.apiproduct.name		= Certification_OAuthClientCredentialsWeather
apigee.client_id		= vn0zG4cnSWaWlzdwBZgnREI1NGORDXXz
apigee.developer.app.name		= CertificationOAuthCCWeather
apigee.developer.email		= certifieddev@apigee.com
apigee.developer.id		= chrisv-cs@@@3MGS3gmo7zxrEdTr
apiproxy.name		Certification_OAuthGetSetInfo
environment.name		test
flow.resource.name		
oauthV2.failed		= false

populates similar variables

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SetOAuthV2Info to set access token attributes

```xml
<SetOAuthV2Info name="SetOAuthV2Info">
  <AccessToken ref="request.queryparam.access_token"></AccessToken>
  <Attributes>
    <Attribute name="myAttribute1">foo</Attribute>
    <Attribute name="myAttribute2">baaz</Attribute>
  </Attributes>
</SetOAuthV2Info>
```

Variables

access_token		= 15fVAgbJc2a5rzGeApdlZ8oemR5i
accesstoken.myAttribute1		= foo
accesstoken.myAttribute2		= baz
apigee.access_token		= 15fVAgbJc2a5rzGeApdlZ8oemR5i
apigee.apiproduct.name		= Certification_OAuthClientCredentialsWeather

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Thank You

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