PRODA SOAPUI DEVICE MANAGEMENT USER GUIDE

PRODA Digital Access

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1. INTRODUCTION

1.1. Overview

This document gives an overview of how to use the PRODA Device Management SoapUI project provided as part of the software vendor integration pack.

1.2. Purpose

The document provides instructions on how to use the SoapUI project to manage B2B devices in PRODA.

1.3. Scope

This document specifies the

Integration Pack

1.4. Out of Scope

Items explicitly not included in the scope of this document include:

1. Detailed payload specification, they can be found in the PRODA B2B Software Developers guide.

1.5. Audience

This document is intended for:

Table 1: Profile Audience

Name	Role
Service Consumer	Web service consumers that intend to invoke the service at runtime.
External DHS Service Stakeholders	All external DHS web service stakeholders, including Software Vendors.

1.6. Assumptions

1.7. Preconditions

• SOAP UI V5.2.1 or later has been installed.

1.8. Actors

This document describes various criteria and they are categorised by using actors and artefacts.

The actors used in this document are:

Table 2: Actors

Actor	Details
Software Vendors	Software Vendors that consume PRODA services
PRODA	Provider Digital Access
SOAP UI	SoapUI version 5.2.1 or later

2. INSTRUCTIONS

2.1. Setup Instructions

- 2.1.1. Unzip the PRODA.device.management.vendor.v2 zip file.
- 2.1.2. Copy the jose4j-0.6.1.jar file from the zip file to the bin/ext in your SoapUI installation.
- 2.1.3. If you need to configure a proxy to get to the internet, go to File, Preferences, proxy settings as below.

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2.1.4. Import the SoapUI project (from the zip file) in to SoapUI.

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2.1.5. Set up project properties

Double Click the PRODA.Device.Management.Vendor-V2 project, click the Properties toggle at the bottom of the page, and populate the properties values with relevant values.



Replace the values in the [] brackets with the requested values.

- productId this is the name of the software communicating with PRODA. It is a mandatory field, but is not validated. It is used for audit and troubleshooting purposes
- certLocation this points to a directory on your development environment (computer) where generated certificates will be stored, e.g. C:\myCertificates
- prodaOrgId this is the PRODA organisation identifier (RA) of the relevant organisation
- deviceName this is the software instance (device) name registered with PRODA for the organisation.
- deviceActivationCode this is the Device Activation Code obtained from PRODA when creating or reactivating a software instance (device) definition for an organisation within PRODA.
- clientId this code identifies a version of Vendor Software that is used to communicate with PRODA. This is
 generated and issued by PRODA and is mandatory. It is validated, so if it does not exist or is incorrect, calls to
 PRODA for authorisation, key refreshes and activations will fail. If you are not aware of the clientId for your
 software, please use soape-testing-client-v2 (only valid in VENDOR environment)
- accessTokenAudience this is used in Access Token requests to identify the Service Provider (Relying Party) the access token will be used for. If you are not aware of the correct accessTokenAudience value for your Service Provider, please use https://proda.humanservices.gov.au. Current valid values can be found in the PRODA B2B Developers guide.

Activating Your Device

Once you have entered the values in the properties above, the next step is to activate your device. Expand the activate device test suite and double click the vnd.0.DeviceManagement.ActivateDevice Test Suite

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By double clicking on test step "vendor.to.dhs.getAccessToken", you can see the request and response data for the rest calls by selecting the Raw tab.

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Content-Type: application/x-www-form-urlencoded dhs-processMode: T dhs-auditdType: http://ns.humanservices.gov.au/audit/type/provide dhs-productit: DHS Product 11.0 dhs-auditd: 8144409044 dhs-renssageld: umuuid:53d26d12-9eda-4a8f-a1f4-bab1b4af3084 dhs-correlationId: uuid:ebf45630-cd83-41c6-ac74-62eee1078f04 dhs-subjectIdType: http://ns.humanservices.gov.au/audit/type/prod accept: application/json Content-Length: 724 Host: vnd.proda.humanservices.gov.au Connection: Keep-Alive User-Agent: Apache-HttpClient/4.1.1 (java 1.5) client_id=soape-testing-client-v2&grant_type=urn%3Aietf%3Aparan	Content-type application/json;charset=UTF-8 date: Tue, 08 Oct 2019 05:01:13 GMT p3p: CP='NON CUR OTP: OUR NOR UNI" transfer-encoding: chunked x-frame-options: DENY x-content-type-options: nosniff cache-control: no-store, no-cache=set-cookie expires: Thu, 01 Dec 1994 16:00:00 GMT x-xss-protection: 1; mode=block content-security-policy: frame-ancestors 'none' strict-transport-security: pragma: no-cache Set-Cookie: ADWEBJCTI%2FmgaJJSESSIONID=0000MImhqX-Y-pKBBUBC6 Set-Cookie: PD_STATEFUL_8dc98fae-f3fc-1166-812f-74fe480683a9=%2Fmg Set-Cookie: PD_S-SESSION-ID=1_2_0_ktGqKLBVIRv4ExcXqL+uSS68GhfFcak {"access_token":"eyJraWQiOiJWcms3MkhjWjdMYmFUdWFkdTI3NnZPYIkS
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Getting an Access Token

Once the device has been successfully activated, double click on vnd.0.DeviceManagement.GetAccessToken Test Suite

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	 Step 1 [CreateSignedOrgJsonWebToken] OK: took 201 ms TestCase finished with status [FINISHED], time taken = 502 Step 2 [vendor.to.dhs.getAccessToken] OK: took 301 ms TestCase Log
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By double clicking on the test step, you can see the request and response data for the rest calls by selecting the Raw tab.

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POST https://vnd.proda.humanservices.gov.au/mga/sps/oauth/oauth Accept-Encoding: gzip,deflate Content-Type: application/x-www-form-urlencoded Content-Length: 724 Host: vnd.proda.humanservices.gov.au Connection: Keep-Alive User-Agent: Apache-HttpClient/4.1.1 (java 1.5) client_id=soape-testing-client-v2&grant_type=urn%3Aietf%3Aparams	HTTP/1.1 200 OK content-language: en-US content-type: application/json;charset=UTF-8 date: Tue, 08 Oct 2019 05:05:56 GMT p3p: CP="NON CUR OTPi OUR NOR UNI" transfer-encoding: chunked x-frame-options: DENV x-content-type-options: nosniff cache-control: no-store, no-cache=set-cookie expires: Thu, 01 Dec 1994 16:00:00 GMT x-xss-protection: 1; mode=block content-security-policy: frame-ancestors 'none' strict-transport-security: pragma: no-cache Set-Cookie: AMWEBJCTI%2FmgaIJSESSIONID=0000glevFVjd6kfOxFx Set-Cookie: PD_STATEFUL_8dc98fae-f3fc-11e6-812f-74fe480683a9= Set-Cookie: PD_STATEFUL_8dc98fae-f3fc-11e6-812f-74fe480683a9= Set-Cookie: PD_S-SESSION-ID=1_2_0_hAFdtnYVEHhYyn5PGo5laBrd {"access_token":"eyJraWQiOiJWcms3MkhjWjdMYmFUdWFkdTI3Nn SSL Info
Assertions (2) Request Log (0)	
	1:59

Refreshing a Key

When you run get access token the key expiry value tells you when a key needs to be refreshed by. You can refresh the key at any time before then.

Double click on the vnd.0.DeviceManagement.RefreshKeyDevice Test Suite.

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By double clicking on the test step (vendor.to.dhs.refresh.device), you can see the request and response data for the rest calls by selecting the Raw tab. This incidentally demonstrates the use of an access token as a bearer token in the Authorization header.

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Endpoint https://test.5.rsp.humanservices.gov.au							
source/Method: 🔤 refreshDevice -> Jwk 🔹 [/piaweb/api/b2b/v1/orgs/\${#Project#prodaOrgld}/devices/\${#Project#deviceName}							
PUT https://test.5.rsp.humanservices.gov.au/piaweb/api/b2 Accept-Encoding: gzip,deflate Content-Type: application/json Authorization: Bearer ey/raWQiOiJWcms3MkhjWjdMYmFUd dhs-auditldType: http://ns.humanservices.gov.au/audit/type dhs-supicettld: my-device-01 dhs-productld: MyProduct.v1.0 dhs-auditld1 9544531825 dhs-messageld: urn.uuid:bb1f19f9-8935-4a2b-a0a0-6f3992fd dhs-correlationld: uuid:be4b03b9-b596-4947-b592-d64d997r dhs-subjecttldType: http://ns.humanservices.gov.au/audit/type: dhs-subjecttldType: http://ns.humanservices.gov.au/audit/type: dhs-subjecttldType: http://ns.humanservices.gov.au/audit/type: dhs-subjecttldType: http://ns.humanservices.gov.au Content-Length: 421 Host test.5.rsp.humanservices.gov.au Connection: Keep-Alive User-Agent: Apache-HttpClient/4.1.1 (java 1.5) {"kty":"RSA","kid":"my-device-01","use":"sig","alg":"RS256"," Assertions (4) Request Log (0)	HTTP/1.1 200 OK X-Backside-Transport: OK OK,OK OK,OK OK,OK OK Connection: Keep-Alive Transfer-Encoding: chunked Date: Tue, 08 Oct 2019 05:08:59 GMT X-Frame-Options: SAMEORIGIN X-Powerd-By: Servlet/3.0 Vary: Accept-Encoding,User-Agent Content-Type: application/json Vary: Accept-Encoding, User-Agent (* orgid": "9544531825", "deviceName": "my-device-01", "deviceName": "ACTIVE", "keyStatus": "ACTIVE", "keyStatus": "2020-04-05 16:08:59", "deviceExpiry": "2024-12-08 16:01:12" \$ SSL Info						
	1:59						