

Provider Digital Access User Documentation

PRODA Integration

NOTICE OF INTEGRATION TESTING REQUIREMENTS

THIS DOCUMENT OUTLINES THE REQUIREMENTS
TO SUCCESSFULLY COMPLETE INTEGRATION
TESTING TO ALLOW ACCESS TO THE PRODA
PRODUCTION ENVIRONMENT

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1 Summary

PRODA requires that software or systems that integrate with PRODA B2B follow a simple rule; access tokens must be reused if they are still valid. The best practice recommendation is that they are reused for at least 80% of their lifespan, but not less than 50% of their lifespan. The standard lifespan of a PRODA B2B access token is 60 minutes, so PRODA expects these tokens to be used for at least 30 minutes before a new one is requested.

PRODA requires that software and systems prove they are adhering to best practices by conducting an integration test in the PRODA vendor (external test) environment. The test is conducted over a 2 hour period, requiring the software or system to make regular API calls to a Service Provider (relying party) that are authenticated using PRODA B2B access tokens. The pattern of API calls to the Service Provider and PRODA are analysed to determine if best practice is being followed.

2 Service Provider Responsibilities

There are three responsibilities the Service Provider must agree to if they wish to utilise PRODA for securing B2B APIs.

2.1 PRODA Developers Pack

The Service Provider must make the “PRODA developers pack” available to software developers integrating PRODA into their products. This can be obtained from PRODA.

The developers pack includes system interface specifications for PRODA B2B integration, as well as information on best practices when implementing integration, and details on the Notice of Integration (NoI) testing that needs to occur before a production PRODA client id is issued for the software/system. The software will not be able to use PRODA in production until the testing is passed.

2.2 B2B Client Notice of Integration test

Client integration with PRODA must be developed and tested in the PRODA external test environment (otherwise known as the “vendor” environment). It is the Service Provider’s responsibility to notify potential users of their API services (that are protected by PRODA B2B security) about the PRODA Notice of Integration (NoI) test. Clients will not be issued a production client id until the test is passed.

The Service Provider must also take part in the coordination of the NoI test for the developer’s software system, liaising with PRODA to organise a suitable time for the testing. The Service Provider must also make available to PRODA the details of the developer’s organisation

2.3 Service Provider API logs

The Service Provider must make available API logs showing the client making API calls as part of the NoI test. These logs are analysed in conjunction with PRODA logs to determine if the client software/system has passed the NoI test. Only logs for the relevant test period need to be made available.

3 Software Vendor Responsibilities

3.1 Client System Development

The software vendor, or client system developer, must implement PRODA authorisation according to “best practices”. This basically means access token should be reused while they are still valid. Currently the lifespan of a PRODA B2B access token is 60 minutes, but this may be different based on the Service Providers security requirements. See the PRODA B2B Best Practice guide for what is considered best practice around access token reuse.

3.2 NoI Test

The client software/system must pass the NoI test before they will be issued a production client id, allowing them to operate in production. The vendor/developer must agree to perform the NoI test and should coordinate with the Service Provider to arrange a suitable time to conduct the test.

4 Test Process

The test process aims to determine if the software system is reusing PRODA access tokens for an acceptable period of time. This acceptable period of time is at least 50% of the token lifetime. This is 30 minutes for standard 60 minute access tokens. For Service Providers with a shorter access token life span, this will be different.

The test runs for 2 hours, and the client software/system must make an authenticated API call to the Service Provider at least every 10 minutes. Any periods over 10 minutes without an API call to the Service Provider during the test will automatically fail the test.

PRODA access tokens must be reused for at least half of the lifespan of the access token. Any access token requests occurring before half the lifespan of the previously obtained access token will automatically fail the test. This is on a “per B2B device” basis, in that the test should be performed using only one B2B device definition. It is prudent to ensure nothing else is using the device definition during the test, as this may cause the test to fail if access token requests are made without the tester’s knowledge.

4.1 Test Process Summary

- a) Test period runs for 2 hours, it starts from the first API call to the Service Provider. Client may already have a valid access token at the start of the test, so does not need to request one until the current one has expired or is past 50% of its lifespan.
- b) Client must make an authenticated call to the Service Provider at least every 10 minutes for the duration of the test.
- c) Client must reuse PRODA access tokens for at least 50% of their lifespan (30 minutes for a standard 60 minute access token).

After the test period is complete, the following must occur:

- Service Provider makes available to PRODA logs showing the authenticated calls to its API services by the client software. This should include some sort of indicator of the client that made the call.

PRODA analysts will then compare the pattern of API calls to access token calls, making sure all test requirements are met.

Once testing is successful the client will be eligible to receive a production client id.