TitlePage Web Service user guide

Introduction

TitlePage is an online bibliographic and price and availability service for the Australian book industry. This guide provides comprehensive information about our legacy SOAP API service as well as our modern RESTful web services.

Our legacy SOAP API service provides general information and price/availability data for a specific title using an ISBN-13 search. On the other hand, our modern RESTful web services offer a wider range of functionality, including single and multiple ISBN searches and access to prebuilt record collections, such as new release files for all TitlePage publishers and various promotional title selections. Additionally, the new REST services provide a function for publishers to provide more regular or live stock updates. Booksellers can also provide their stock levels to help readers locate products at their local bookshops.

This guide is designed to help you make the most of both the legacy SOAP API and modern RESTful web services. We provide detailed technical information, such as how to use the TitlePage RESTful web services using our Swagger document, as well as a description of the available endpoints and their associated parameters and responses.

Please note that while the TitlePage APIs are available to all TitlePage booksellers, what you need to know about getting started depends on the systems you are using, what you are trying to achieve, and your technical expertise.

If you are using a commercially available Point of Sale (POS) system, you should contact your POS provider to find out whether they already support an integration to the TitlePage web services, or whether it can support a custom integration. Additionally, we recommend that all new integrations use our RESTful web services, which are simpler and more flexible than our SOAP API services.

We hope that this guide will help you make the most of TitlePage's offerings. If you have any questions or need further assistance, please do not hesitate to contact us at titlepage@publishers.asn.au.

Support

If you need assistance with using the TitlePage APIs, the support you require will depend on the systems you are using and your technical expertise. If you are using a commercially available point of sale system, such as CircleSoft, BookNet, or eBility, we recommend contacting your POS provider to inquire whether they offer an integration to the TitlePage web services or can support a custom integration.

If you require a custom integration or have questions about using the TitlePage APIs, please feel free to connect your developer with us at titlepage@publishers.asn.au. While we cannot provide development assistance, we can answer any questions your developer may have.

Please note that we strongly recommend all new integrations to use the RESTful web services, as they will continue to receive improvements. POS providers interested in offering a standard TitlePage integration to their clients can also contact us at titlepage@publishers.asn.au.

TitlePage API Terms of Service

In order to use the TitlePage APIs, you agree to:

- Be aware that your user token may be suspended for any violation of these terms.
- Please be considerate of our servers. We recommend caching data if you expect high traffic. If using an automated routine to retrieve data, please limit requests to no more than once every few seconds.
- Do not harvest or index TitlePage without our explicit written consent.
- Do not sublicense or redistribute TitlePage data to third parties without our explicit written consent.
- Do not use TitlePage data as part of a commercial product without our explicit written consent. For inquiries about including TitlePage data in a commercial product, please contact TitlePage.
- These terms may be updated or amended at any time without prior notice and continued use of the API constitutes acceptance of the new terms.
- While attribution is not required, we appreciate being mentioned if possible: "Data provided by TitlePage."

Any updates to the TitlePage API Terms of Service will be published on our website. Please contact TitlePage with any questions regarding these Terms of Service.

RESTful Web Services

Getting started:

The TitlePage RESTful Web Services offer a modern and comprehensive set of APIs for accessing bibliographic, price and availability information for products in the Australian book industry. REST, or Representational State Transfer, is a popular architectural style for building web services, which relies on the HTTP protocol to exchange data between client and server. RESTful web services are lightweight, easy to scale, and widely used for building web applications.

To get started with the TitlePage RESTful Web Services, you need to apply for a user/developer token, which allows us to manage our server traffic and ensure sensitive data is secure. Apply for a token using this form, and you will receive a token via email as soon as possible. Contact TitlePage to discuss your use case and understand how our APIs can support your business.

Technical details

The technical details of how to use the TitlePage RESTful Web Services are provided in Swagger document format, a machine-readable representation of the API. These documents provide a list of available endpoints, their associated parameters, and responses, allowing developers to quickly understand how to use the API and integrate it into their systems.

The endpoint for each URL is the Base URL plus the API name - eg:

-
  - https://report.titlepage.com/ReST/v1/list/pre-built
  - https://report.titlepage.com/ReST/v1/search

Swagger documents
- [Bookstore/Bookseller APIs Swagger Document](#)
- [Publisher/Distributor Supply Updates Swagger Document](#)

We recommend providing these specific links to your developer for easy access to the technical details of the TitlePage API.

In most cases, the endpoints will direct you to one or more ONIX 3.0 records. ONIX for Books is the international standard for storing and sharing publishing metadata throughout the book supply chain, and is critical as a way of enhancing the discoverability of books. ONIX is developed and maintained by EDItEUR, who are the standards body for the global book, ebook, and serials supply chains. The APA is one of over 110 EDItEUR members around the world who contribute to the ongoing development of ONIX.

Detailed specifications, codelists and other resources on ONIX 3.0 [are available from EDItEUR](#).

Authorisation

For each HTTP request, you must provide your token within the HTTP request header.

 The header name is **Authorization** and the value is **Token <Your API Token>**.

For example:

```
Authorization: Token GqnjdbubqMk2ITjgx1s6DnT6OUolkjWEruia8ojSDFHUIplksdhq
```


Booksellers and Bookstores

Please note in this documentation "Booksellers" refers to the parent entity for "Bookstores" – a Bookseller can operate one or more Bookstores.

Currently, API tokens are provided to Bookstores. This means that a Bookseller with multiple Bookstores would require separate API tokens for each store to provide store specific information. However, we will soon be offering Bookseller-level API tokens, which would allow businesses with multiple stores to use a single token for all their stores.

Bookstore endpoints (authentication required)
- **Prebuilt Files**
  TitlePage produces a large selection of functional and promotional data files every month. These prebuilts include a number of product records (ONIX 3.0) based on certain criteria. These include a monthly new release file for each TitlePage publisher, subject-specific new release files, and various promotional selections such as data to accompany the latest awards announcements and books by Australian authors. We can also create custom prebuilts to meet your particular data needs – contact titlepage@publishers.asn.au to discuss or suggest new inclusions for general use.

  - You can v[iew the currently available prebuilts here](#).

-
  - **Full ONIX**
  This endpoint provides an ONIX 3.0 record for a given ISBN-13, including availability and Publisher stock information.
  - **Search**
  This endpoint allows search by up to 1000 ISBN-13s or by keyword (title, author, or a combination thereof). The response will provide the paths to full ONIX 3.0 records for matching titles.
  - **Update bookstore details**
  This updates the bookstore details (location, social media, hours etc) that are stored on TitlePage, and which may be included in services to connect readers to their local bookshop.
  - **Stock levels**
  This endpoint allows bookstores to provide their stock levels to help readers find books at their local bookshop – further information will be provided on this initiative in the coming months. Availability information will only be shown to consumers in terms of traffic lights – in stock, low stock, no stock – rather than actual numbers.

Publisher endpoints (authentication required)

- **Stock update/Block 6 partial updates**
  These endpoints allow Publishers/Distributors to provide a stock update on a (single or batch) product record using the [ONIX partial/block update workflow](). This is designed to complement rather than replace existing TitlePage ONIX update workflows. Please note that stock/block 6 updates provided using this mechanism will be overwritten by a full ONIX record provided via FTP – if this is not the desired outcome, the ONIX record provided by FTP must be a partial update of blocks 1-5 coded as a partial update.

  There are a lot of variables to be considered with a partial update workflow, especially one that might be split between two parties (commonly Distributor providing stock data and Publisher providing rich metadata), so we strongly recommend contacting titlepage@publishers.asn.au to discuss.

    - **Single record**
    Stock update of a single product record.

    - **Batch stock update**
    Stock update of up to 1000 product records per request.

- **Update Publisher details**
  Updating administrative and contact details for Publisher account.

Public endpoints (no authentication required)

Note: these endpoints are throttled, and technical details [are available by request]().

- **Find closest in stock bookstores**
  Not recommended for immediate use. This endpoint can be used to connect consumers to their local Australian bookstore with available stock of a particular ISBN-13. This can be used for websites that don't have their own commerce functionality (eg Publisher, Media, Event) to connect readers to their most convenient retailer. It is recommended that you wait for further bookstore adoption before using this endpoint. Contact titlepage@publishers.asn.au to discuss.

-

  - **Redacted ONIX**
    This endpoint provides an ONIX 3.0 record for a given ISBN-13, without sensitive Publisher stock information.

Are there restrictions on REST usage?

Your usage of the ReST APIs are subject to our [API Terms of Service](#), and any misuse will lead to the deactivation of your access, and possible future throttling. Please be considerate of our servers. We recommend caching data if you expect high traffic. If using an automated routine to retrieve data, please limit requests to no more than once every few seconds.

●

Legacy SOAP API

Getting started:

Now that the more modern RESTful APIs are available, use of the legacy SOAP web service is only recommended for existing integrations, such as one that may be in place via your Point of Sale provider. Access for the TitlePage legacy SOAP web service is connected to your TitlePage bookseller user account.

Contact titlepage@publishers.asn.au if you need this function to be enabled on your account. Be sure to include the username of your account in your email. Once this has been enabled, follow the advice of your PoS provider or similar for where to enter your TitlePage credentials.

What do I need to know to be able to use the TitlePage SOAP?

For a custom connection to the legacy SOAP, the best way to get started with the TitlePage API is to use the TitlePage WSDL file to obtain type information. Most XML Web Service interfaces allow you to specify the address of a WSDL file, and automatically generate any necessary stub code from the WSDL (more information is provided below). Read more information about SOAP, WSDL and Web Services here.

In order to determine the meaning of many of the fields returned in the search results, you will also need a copy of the ONIX Basics specification, which is available from the APA Website. This document contains definitions for all type code fields used by the TitlePage SOAP API.

Specifications for data in the full ONIX 3.0 record (accessed via the *onixurl* as referenced within the WSDL) can be seen here.

What queries can I perform with the TitlePage SOAP?

You can retrieve general information and price/availability information for a particular title. You can identify the title you are interested in by specifying either an ISBN13, EAN or an ISBN10 (there are different functions used to search by ISBN13, EAN or ISBN10). As all titles are required to have an ISBN13 identifier (ISBN10 and EAN are optional), the recommended search is ISBN13.

All searches either return nothing or exactly one title. There is currently no method to perform a search for a book by its title or for multiple ISBNs in one call. In rare cases, multiple records may exist on TitlePage for an individual ISBN-13. The legacy SOAP, unlike the new REST service, does not support logic for selecting the most appropriate record.

What information is returned from the TitlePage API?

- Title (Title type, Title, Title prefix, Subtitle)
- Contributors (Contributor name, Contributor role)
- Link to full ONIX 3.0 record
- Supplier information (Supplier name, Supplier role)
- Price (Price type, Price amount)
- Availability (Availability, Stock on hand, Stock on order, Pack quantity)

A complete list of fields, along with a description of the contents of each field, is available here.

What format is this information returned in?

The TitlePage API returns data in a SOAP XML format that resembles, where possible, the ONIX format (Due to XML differences between the SOAP and ONIX specifications, it is not possible to return pure ONIX data).

To be more specific, the SearchByISBN13Response (or SearchByISBNResponse or SearchByEANResponse) returned in the SOAP Body contains a SearchResults node. The SearchResults node contains the ISBN13/ISBN/EAN the user searched for, as well as a Product node (if a matching title was found).

A set of example SOAP request-response transactions, to login, search for a title and logout, is available here. This documentation does not include the ONIX 3.0 URL – please see the TitlePage WSDL for more information.

How do I gain access to these functions?

In order to use the search functions, you must log into the TitlePage API. You log into the TitlePage API using the Login function, providing your username and password as parameters. If successful, the Login function will return a token, which is a 32-character, randomly-generated string (if not, it will return a SOAP Fault). You must then provide the token to the Search functions whenever you search for a title.

Your username and password is the same username and password that is used for the TitlePage website. Before you can use your username and password to access the API, you must contact APA Support at titlepage@publishers.asn.au as TitlePage accounts do not have API access by default.

When you are finished with the search functions, you should call Logout, to inform the TitlePage API that you will no longer use your token.

Are there restrictions on SOAP usage?

The TitlePage SOAP API queries are limited in frequency to 60 requests per minute. You must throttle your requests to this limit. If an API user exceeds this limit, the account will automatically be disabled.

You must then contact titlepage@publishers.asn.au to have the account unblocked.