

PEDS to ODP API Mapping



UNITED STATES
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Contents

PEDS to ODP Mapping Objective.....	3
Available Documentation	3
PEDS CMS Data Controller.....	3
PEDS Home Controller	4
PEDS Query Controller.....	6

PEDS to ODP API Mapping Objective

This document outlines the mapping between the PEDS API and the Open Data Portal (ODP) API. Use this mapping as a guide for migrating from the PEDS API to the ODP API.

Please note that an API key is required to access the ODP APIs. For instructions on how to obtain an API key, please visit the Getting Started page at <https://data.uspto.gov/apis/getting-started>

Mapping Documentation

PEDS	ODP
Swagger: https://ped.uspto.gov/api/swagger-ui.html#/ UI: https://ped.uspto.gov/peds/#/	Swagger: https://data.uspto.gov/swagger/index.html UI: https://data.uspto.gov/patent-file-wrapper API Documentation: https://data.uspto.gov/apis/patent-file-wrapper/search

PEDS CMS Data Controller

PEDS	ODP
CMS PDF Document Download: https://ped.uspto.gov/api/queries/cms/pdfDocument/{applicationId}/{documentIdentifier}	ODP supports downloading the documents associated with patent application in different formats PDF, XML, MS Word based on their availability. To download a document, user first needs to make a call to the Document Metadata API (https://api.uspto.gov/api/v1/patent/applications/{applicationNumberText}/documents) Document Metadata API returns 'downloadUrl' associated with each document type for each document code. Example: <pre>{ "applicationNumberText": "16123123", "officialDate": "2020-08-28T17:17:43.000-0400", "documentIdentifier": "KEEQMGWJLDFLYX4",</pre>

PEDS	ODP
	<pre> "documentCode": "APP.FILE.REC", "documentCodeDescriptionText": "Filing Receipt", "directionCategory": "OUTGOING", "downloadOptionBag": [{ "mimeTypeIdentifier": "PDF", "downloadUrl": "https://api.uspto.gov/api/v1/download/applications/16123123/ KEEQMGWJLDLYX4.pdf", "pageTotalQuantity": 4 }] } </pre> <p>To download the document mentioned in the downloadUrl, you will need to pass the API key.</p>
<p>CMS document Metadata API:</p> <p>https://ped.uspto.gov/api/queries/cms/public/{applicationId}</p>	<p>ODP document Metadata API:</p> <p>https://api.uspto.gov/api/v1/patent/applications/{applicationNumberText}/documents</p>

PEDS Home Controller

PEDS	ODP
<p>Returns a list of links to resources available in the HATEAOS style:</p> <p>/</p>	Not Supported
<p>Downloads all the data in PBD as a single file</p> <p>https://ped.uspto.gov/api/full-download?fileName={fileName}</p>	<p>ODP releases weekly Patent File Wrapper full datasets early Monday that includes changes made up until Sunday.</p>

PEDS	ODP
	<p>Use the below API to get the full data files:</p> <p>https://api.uspto.gov/api/v1/datasets/products/PTFWPRE</p> <p>Ex:</p> <pre>{ "fileName": "2021-2025-patent-filewrapper-full-json.zip", "fileSize": 8930038267, "fileDataFromDate": "2021-01-01", "fileDataToDate": "2025-12-31", "fileTypeText": "Data", "fileDownloadURI": "https://beta-api.uspto.gov/api/v1/data sets/products/files/PTFWPRE/2021-2025-patent-filewrapper-full-json.zip", "fileReleaseDate": "2025-02-02 01:54:00", "fileDate": "2025-02-02 00:00:00", "fileLastModified": "2025-02-07 01:27:00" }</pre> <p>ODP releases a daily delta file every day of the week. Use the below API to get the daily delta files:</p> <p>https://api.uspto.gov/api/v1/datasets/products/PTFWPRD</p> <p>Ex:</p> <pre>{ "fileName": "patent-filewrapper-delta-friday-json.zip", "fileSize": 153702753, "fileDataFromDate": "2025-01-24", "fileDataToDate": "2025-01-24", "fileTypeText": "Data", "fileDownloadURI": "https://beta-api.uspto.gov/api/v1/data sets/products/files/PTFWPRD/patent-filewrapper-delta-friday-json.zip", "fileReleaseDate": "2025-01-25 00:15:00", "fileDate": "2025-01-24 00:00:00", "fileLastModified": "2025-01-30 19:45:00" }</pre> <p>To download the document mentioned in the fileDownloadURI you will need to pass the API key.</p>

PEDS	ODP
<p>Returns a list of schema fields, as well as frequency and sample values.</p> <p>https://ped.uspto.gov/api/search-fields</p>	<p>Not Supported</p> <p>However, the schema file https://data.uspto.gov/documents/documents/patent-data-schema.json will provide all the data attributes returned by Patent File Wrapper APIs.</p>
<p>Returns a list of solr search parameters available for use.</p> <p>https://ped.uspto.gov/api/search-params</p>	<p>Not Supported</p> <p>However, please visit the https://data.uspto.gov/apis/patent-file-wrapper/search to see all the data attributes supported by the API.</p> <p>Please refer https://data.uspto.gov/documents/documents/ODP-API-Query-Spec.pdf for the syntax</p>

PEDS Query Controller

PEDS	ODP
<p>Provides search capabilities</p> <p>https://ped.uspto.gov/api/queries</p>	<p>Provides search capabilities</p> <p>https://api.uspto.gov/api/v1/patent/applications/search</p> <p>To learn more about different search capabilities, please visit https://data.uspto.gov/apis/patent-file-wrapper/search</p> <p>To try the API, you can visit Swagger Page https://data.uspto.gov/swagger/index.html#/</p>

PEDS	ODP
	Please use Authorize button to specify your Api Key, and it will let you run the APIs.
<p>PEDS provides a multi-step process to package and download the data.</p> <p>https://ped.uspto.gov/api/queries</p> <p>https://ped.uspto.gov/api/queries/{queryId}/package</p> <p>https://ped.uspto.gov/api/queries/{queryId}</p> <p>https://ped.uspto.gov/api/queries/{queryId}/download</p>	<p>Packaging of data is not supported.</p> <p>However, ODP API provides a simple download function that can support maximum of 6MB data.</p> <p>https://api.uspto.gov/api/v1/patent/applications/search/download</p>
<p>PEDS provides retrieving the query results based on queryId.</p> <p>https://ped.uspto.gov/api/queries/{queryId}/results</p>	Not Supported
<p>PEDS provides support to query the data using Application Number.</p> <p>https://ped.uspto.gov/api/queries/application/data?applicationNo={applicationNo}</p>	<p>ODP provides the support for querying the application number.</p> <p>https://api.uspto.gov/api/v1/patent/applications/{applicationNumberText}/</p>
<p>Returns PEDS environment variables</p> <p>https://ped.uspto.gov/queries/peds-vars</p>	Not Supported