PACER Case Locator (PCL) Application Programming Interface (API) User Guide

December 2022

Contents

Overview

The PACER Case Locator (PCL) is a nationwide index of federal court cases. The public PCL application programming interface (API) allows users to programmatically search the index for federal cases or associated parties. The PCL API is capable of the same search functionality as the PCL application and searches the same data set.

The PCL API is organized around representational state transfer (REST) with simple and intuitive URLs. All services use standard HTTP verbs and response codes and use either XML or JSON encoding for requests and responses.

Public Environments

A valid PACER account is required to use the PCL API. Register for a Production PACER account at https://pacer.uscourts.gov. All searches in the Production environment are billable. For more information about charges, visit the PACER Pricing page.

For API testing, a separate PACER QA environment is available. This environment contains a subset of test PCL data, and searches are not billable. To access this environment, a QA PACER account is required. This account is separate from any other PACER accounts and can only be used in the QA environment. Register for this type of account at: https://qa-pacer.uscourts.gov.

The PCL API has different endpoints for QA and Production. Use a QA account to access the QA environment, and use a live PACER account to access the Production environment.

The table below contains the URLs and URL name that is used throughout the document. The URL name in the examples indicates a URL for either environment. The user should substitute the appropriate URL for the selected environment.

The production environment is not available during the public testing period, it will become available when the PCL API is released.

URL Purpose	URL Name	QA URL	Production URL
Account registration	registrationurl	qa-pacer.uscourts.gov	pacer.uscourts.gov
Authentication	authenticationurl	qa-login.uscourts.gov	pacer.login.uscourts.gov
PCL API	pclapiurl	qa-pcl.uscourts.gov	pcl.uscourts.gov

Schema

XML documents represent the XML schema definitions (XSDs) used for all client requests. Reference these files to understand the different request and response types, and what elements compose them. Download the XSDs on the Developer Resources page of pacer.uscourts.gov.

Quick Start

This section provides a brief introduction to each of the PCL APIs, their recommended usage, and their expected output. For a detailed description of each PCL API, please see the relevant API section below. **NOTE:** This section will provide code snippets in Java.

In general, the PCL APIs are divided into two broad groups: authentication and search tools. Within the search tools gbatchroup, there are two more API groups: immediate search results and batch searches. And each of those groups includes two or more functions.

```
PCL API ┬─ Authentication
        └─ Search Tools ┬─ Immediate ┬─ Case Search
                        │            └─ Party Search
                        └─ Batch ┬─ Case Search
                                 ├─ Party Search
                                 ├─ Status Query
                                 └─ Download
```
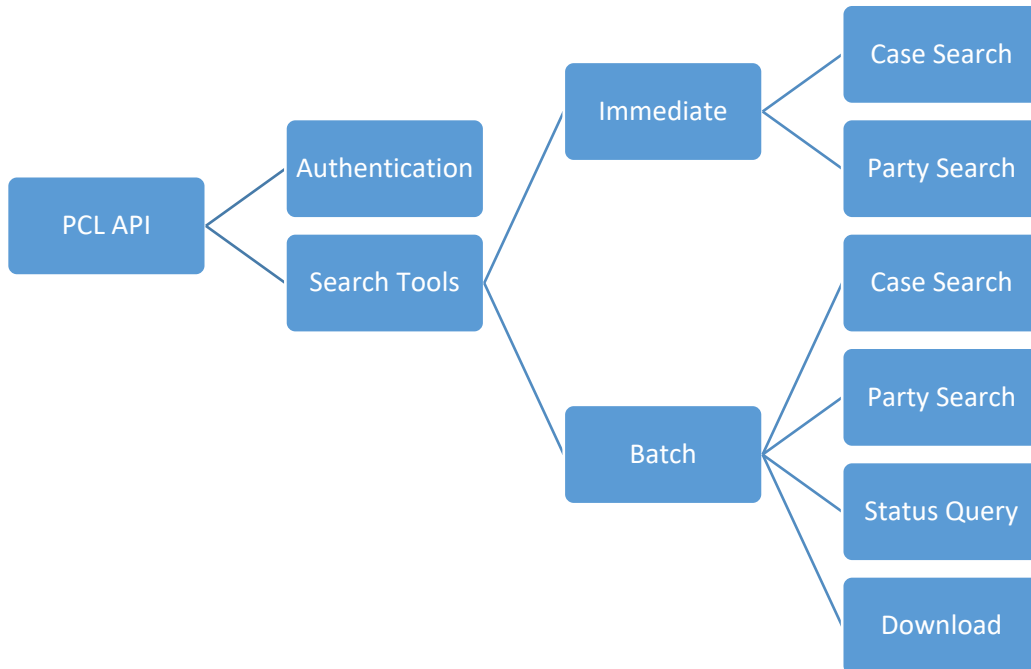
PACER Authentication API

To access a PACER system, the first step is to get an authentication token using your PACER username and password. The PACER Authentication API provides a way for the user to authenticate with PACER automatically and without a user interface. This can help facilitate access for automated systems.

> **NOTE:** For further details on PACER authentication, see the PACER Authentication API User Guide for examples, common error messages and solutions, and more.

The first step in using the PCL API is to get an authentication token using your PACER username and password. If you do not have a PACER account, you may register for one at the appropriate account registration URL (see Public Environments section). The PACER authentication service accepts a valid PACER username and password and returns an authentication token.

The authentication token is required for all PCL API requests. This authentication token should be presented in the HTTP request header of each search as the header X-NEXT-GEN-CSO.

> **NOTE:** These headers are specific to the PCL API and differ slightly from the values noted in the PACER authentication API.

The authentication service call is valid for a set period of time and should be used until it expires. Do not call the authentication service for every PCL search.

Search Tools

As noted above, the search tools API is broadly composed of two groups: those that return results immediately and those that batch results for later download.

Immediate searches return results in groups of 54. Each group of immediate search results is referred to as a "page." The maximum search result size for an immediate search is 5,400 items (cases or parties) or 100 pages. In contrast, batch searches return a single batch of results with the maximum number of search results limited to 108,000 items (cases or parties) or 2,000 pages.

Immediate Searches

There are two types of immediate searches: case search and party search. Case searches return groups of cases, and party searches return groups of parties to cases. This section reviews these searches, while later sections provide additional details of their use and search parameters.

Each API accepts the search criteria in either XML or JSON formats. The JSON format will be used for the examples below.

Immediate Case Search

The immediate case search API accepts criteria that describe desired cases. Example search criteria include case number, case title, and date filed. The full descriptions of the available case search criteria are available in the Search Criteria section, below.

```java
HttpURLConnection conn = null;
try {
    URL url = new URL("https://qa-pcl.uscourts.gov/pcl-public-api/rest" +
                "/cases/find?page=0");

    conn = (HttpURLConnection) url.openConnection();
    conn.setDoOutput(true);
    conn.setRequestMethod("POST");
    conn.setRequestProperty("Content-Type", "application/json");
    conn.setRequestProperty("Accept", "application/xml");
    conn.setRequestProperty("X-NEXT-GEN-CSO", nextGenCsoKey);

    // will find cases with titles starting with "Jacob", including Jacobs,
    // Jacobson, Jacoby, etc.
    String searchBody = "{ \"caseTitle\": \"Jacob\" }";

    OutputStream os = conn.getOutputStream();
    os.write(searchBody.getBytes());
    os.flush();
    InputStreamReader isr = new InputStreamReader((conn.getInputStream()));

    // stream search results into a BufferedReader
    BufferedReader br = new BufferedReader(isr);

    //------------------------------------------------------------------------
    // Check for a new NextGenCso Key
    //------------------------------------------------------------------------
    Map<String, List<String>> responseHeaderFields = conn.getHeaderFields();
    if (responseHeaderFields.containsKey("X-NEXT-GEN-CSO")) {
        List<String> nextGenCsoResponse = responseHeaderFields.get("X-NEXT-GEN-CSO");
        if ((nextGenCsoResponse != null) && (nextGenCsoResponse.size() > 0)) {
            String newNextGenCso = nextGenCsoResponse.get(0);
            System.out.printf("New NextGenCSO Key: %s\n", newNextGenCso);
        }
    }

    //------------------------------------------------------------------------
    // Process Response from Server
    //------------------------------------------------------------------------
    String responseLine;
    StringBuilder requestResponse = new StringBuilder();
    while ((responseLine = reader.readLine()) != null)    {
        requestResponse.append(responseLine);
    }

}
catch (IOException e) {
    // NOTE that an IOException with HTTP response code 401 means that an invalid
    // or expired NextGenCSO key was provided and 406 means that an invalid
    // search parameter was provided.
    e.printStackTrace();
    System.exit(-1);
}
finally {
    if (conn != null) {
        conn.disconnect();
    }
}
```

Example: Immediate case search

The immediate party search API accepts criteria that describe desired parties. Example search criteria include case number, party name, and party type. The full descriptions of the available party search criteria are available in the section below.

```java
HttpURLConnection conn = null;

try {
    URL url = new URL("https://qa-pcl.uscourts.gov/pcl-public-api/rest" +
                "/parties/find?page=0");

    conn = (HttpURLConnection) url.openConnection();
    conn.setDoOutput(true);
    conn.setRequestMethod("POST");
    conn.setRequestProperty("Content-Type", "application/json");
    conn.setRequestProperty("Accept", "application/xml");
    conn.setRequestProperty("X-NEXT-GEN-CSO", nextGenCsoKey);
        // search for all parties with last names starting with 'Smith' in cases
        // filed on or after January 1, 2010.
    String searchBody = "{ \"lastName\": \"Smith\", " +
                        " \"courtCase\": { " +
                        " \"dateFiledFrom\": \"2010-01-01\" } }";

    OutputStream os = conn.getOutputStream();
    os.write(searchBody.getBytes());
    os.flush();
    InputStreamReader isr = new InputStreamReader((conn.getInputStream()));

    // stream search results into a BufferedReader
    BufferedReader br = new BufferedReader(isr);

    // Process results similarly to Case Search, including checking for new key

}
catch (IOException e) {
    // NOTE that an IOException with HTTP response code 401 means that an invalid
    // or expired NextGenCSO key was provided and 406 means that an invalid
    // search parameter was provided.
    e.printStackTrace();
    System.exit(-1);
}
finally {
    if (conn != null) {
        conn.disconnect();
    }

}
```

Example: Immediate party search

Case and Party Search Examples

Sample search responses are included in the first examples but not in subsequent examples. The X-NEXT-GEN-CSO authentication token must be included in the header of each API request. The same authentication token is valid for a certain period of time and should be used until it expires. Once the token expires, a new X-NEXT-GEN-CSO token is returned in the head of the response. A new authentication token can also be obtained by using the authentication service.

Immediate Searches

Immediate searches return the first page of results in the initial response. If there is more than one page of results, use the URL parameter (see the Pagination section) to retrieve one page at a time.

Case Search – JSON

Search for a specific case by case number.
POST: https://{pclapiurl}/pcl-public-api/rest/cases/find

Request header:

```
Content-type: application/json
Accept: application/json
X-NEXT-GEN-CSO:
your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthentic
ationtokentobeuseduntilexpirationyour128chara
```

Request body:

```
{
     "caseNumberFull": "1:2002bk20340"
}
```

Response body:

```json
{
    "receipt": {
        "transactionDate": "2020-12-18T11:01:48.267-0600",
        "billablePages": 1,
        "loginId": "yourpacerusername",
        "clientCode": "",
        "firmId": "",
        "search": "All Courts; Name Henderson, Nicholas; Page: 1",
        "description": "All Court Types Party Search",
        "csoId": 3655344,
        "reportId": "e9c66eab-80b0-48fe-bcbe-62eec7bf59b8",
        "searchFee": ".10"

    },
    "pageInfo": {
        "number": 0,
        "size": 54,
        "totalPages": 1,
        "totalElements": 2,
        "numberOfElements": 2,
        "first": true,
        "last": true
    },
    "content": [
        {
            "courtId": "ilndc",
            "caseId": 306781,
            "caseYear": 2015,
            "caseNumber": 1445,
            "lastName": "Henderson",
            "firstName": "Nicholas",
            "middleName": " ",
            "generation": " ",
            "partyType": "pty",
            "partyRole": "dft",
            "jurisdictionType": "Civil",
            "courtCase": {
                "courtId": "ilndc",
                "caseId": 306781,
                "caseYear": 2015,
                "caseNumber": 1445,
                "caseOffice": "1",
                "caseType": "cv",
                "caseTitle": "Lytx, Inc. v. Sanderson",
                "dateFiled": "2015-02-17",
                "effectiveDateClosed": "2015-03-12",
                "natureOfSuit": "890",
                "jurisdictionType": "Civil",
                "caseLink": "https://ecf.ilnd.uscourts.gov/cgi-
bin/iqquerymenu.pl?306781",
                "caseNumberFull": "1:2015cv01445"
            },
            "dateFiled": "2015-02-17",
            "effectiveDateClosed": "2015-03-12",
            "natureOfSuit": "890",
            "caseOffice": "1",
            "caseType": "cv",
            "caseTitle": "Lytx, Inc. v. Sanderson",
            "caseNumberFull": "1:2015cv01445"
        },
```

Case Search – XML

Search for a specific case by case number.

POST: https://{pclapiurl}/pcl-public-api/rest/cases/find

Request header:

```
Content-type: application/xml
Accept: application/xml
X-NEXT-GEN-
CSO:your128characterauthenticationtokentobeuseduntilexpirationyour128characte
rauthenticationtokentobeuseduntilexpirationyour128chara
```

Request body:

```
<caseSearch xmlns="https://pacer.uscourts.gov">
     <caseNumberFull>2000-90150</caseNumberFull>
</caseSearch>
```

Response body:

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <caseList xmlns="https://pacer.uscourts.gov">
      <receipt>
          <transactionDate>2020-12-18T12:34:15.501-06:00</transactionDate>
          <billablePages>1</billablePages>
          <loginId>yourpacerusername</loginId>
          <clientCode></clientCode>
          <firmId></firmId>
          <search>All Courts; Case Number 90150; Case Year 2000; Case Number 2000-
90150; Page: 1</search>
          <description>All Court Types Case Search</description>
          <csoId>3655344</csoId>
          <reportId>6c08ede4-ee24-4350-b607-a4ebd8d694ac</reportId>
          <searchFee>.10</searchFee>
      </receipt>
      <pageInfo>
          <number>0</number>
          <size>54</size>
          <totalPages>1</totalPages>
          <totalElements>6</totalElements>
          <numberOfElements>6</numberOfElements>
          <first>true</first>
          <last>true</last>
      </pageInfo>
      <content>
           <case>
               <courtId>ilsbk</courtId>
               <caseId>998881</caseId>
               <caseYear>2000</caseYear>
               <caseNumber>90150</caseNumber>
               <caseOffice>1</caseOffice>
               <caseType>ap</caseType>
               <caseTitle>Bayne and Internal Revenue Service</caseTitle>
               <dateFiled>2000-11-23</dateFiled>
               <effectiveDateClosed>2001-02-28</effectiveDateClosed>
               <jurisdictionType>Bankruptcy</jurisdictionType>
               <caseNumberFull>1:2000ap90150</caseNumberFull>
           </case>
 …… continued ……
```

Party Search - JSON

Search for a party name with first and last name.

POST: https://{pclapiurl}/pcl-public-api/rest/parties/find

Request header:

```
Content-type: application/json
Accept: application/json
X-NEXT-GEN-CSO:
your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthentic
ationtokentobeuseduntilexpirationyour128chara
```

Request body:

```json
{
  "lastName": "Henderson",
  "firstName":"Nicholas"
}
```

Response body:

```json
{
    "receipt": {
        "transactionDate": "2020-12-18T11:01:48.267-0600",
        "billablePages": 1,
        "loginId": "yourpacerusername",
        "search": "All Courts; Name Henderson, Nicholas; Page: 1",
        "description": "All Court Types Party Search",
        "csoId": 9655344,
        "reportId": "e9c66eab-80b0-48fe-bcbe-62eec7bf59b8",
        "searchFee": ".10"
    },
    "pageInfo": {
        "number": 0,
        "size": 54,
        "totalPages": 1,
        "totalElements": 2,
        "numberOfElements": 2,
        "first": true,
        "last": true
    },
    "content": [
        {
            "courtId": "ilndc",
            "caseId": 306781,
            "caseYear": 2015,
            "caseNumber": 1445,
            "lastName": "Henderson",
            "firstName": "Nicholas",
            "partyType": "pty",
            "partyRole": "dft",
            "jurisdictionType": "Civil",
            "courtCase": {
                "courtId": "ilsdc",
                "caseId": 306781,
                "caseYear": 2010,
                "caseNumber": 91445,
                "caseOffice": "1",
                "caseType": "cv",
                "caseTitle": "Wingz, Inc. v. Henderson",
                "dateFiled": "2010-02-17",
                "effectiveDateClosed": "2010-03-12",
                "natureOfSuit": "890",
                "jurisdictionType": "Civil",
                "caseLink": "https://ecf.ilnd.uscourts.gov/cgi-bin/iqquerymenu.pl?9306781",
                "caseNumberFull": "1:2010cv91445"
            },
            "dateFiled": "2010-02-17",
            "effectiveDateClosed": "2010-03-12",
            "natureOfSuit": "890",
            "caseOffice": "1",
            "caseType": "cv",
            "caseTitle": "Wingz, Inc. v. Henderson",
            "caseNumberFull": "1:2010cv91445"
        },
…… continued ……
```

Party Search - XML

POST: https://{pclapiurl}/pcl-public-api/rest/parties/find

Request header:

```
Content-type: application/xml
Accept: application/xml
X-NEXT-GEN-CSO:
your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthentic
ationtokentobeuseduntilexpirationyour128chara
```

Request body:

```
<partySearch xmlns="https://pacer.uscourts.gov">
    <lastName>Henderson</lastName>
    <firstName>Nicholas</firstName>
</partySearch>
```

Response body:

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<partyList xmlns="https://pacer.uscourts.gov">
    <receipt>
        <transactionDate>2020-12-18T13:40:17.384-06:00</transactionDate>
        <billablePages>1</billablePages>
        <loginId>yourpaceruser</loginId>
        <clientCode></clientCode>
        <firmId></firmId>
        <search>All Courts; Name Henderson, Nicholas; Page: 1</search>
        <description>All Court Types Party Search</description>
        <csoId>3655344</csoId>
        <reportId>17fd1ae3-398d-4915-99c2-289618cd4404</reportId>
        <searchFee>.10</searchFee>
    </receipt>
    <pageInfo>
        <number>0</number>
        <size>54</size>
        <totalPages>1</totalPages>
        <totalElements>2</totalElements>
        <numberOfElements>2</numberOfElements>
        <first>true</first>
        <last>true</last>
    </pageInfo>
    <content>
        <party>
            <courtId>ilndc</courtId>
            <caseId>306781</caseId>
            <caseYear>2010</caseYear>
            <caseNumber>91445</caseNumber>
            <lastName>Henderson</lastName>
            <firstName>Nicholas</firstName>
            <middleName> </middleName>
            <generation> </generation>
            <partyType>pty</partyType>
            <partyRole>dft</partyRole>
            <jurisdictionType>Civil</jurisdictionType>
            <courtCase>
                <courtId>ilndc</courtId>
                <caseId>306781</caseId>
                <caseYear>2015</caseYear>
                <caseNumber>1445</caseNumber>
                <caseOffice>1</caseOffice>
                <caseType>cv</caseType>
                <caseTitle>Wingz, Inc. v. Henderson</caseTitle>
                <dateFiled>2010-02-17</dateFiled>
                <effectiveDateClosed>2010-03-12</effectiveDateClosed>
                <natureOfSuit>890</natureOfSuit>
                <jurisdictionType>Civil</jurisdictionType>
                <caseLink>https://ecf.ilnd.uscourts.gov/cgi-
bin/iqquerymenu.pl?9306781</caseLink>
                <caseNumberFull>1:2010cv91445</caseNumberFull>
            </courtCase>
            <caseNumberFull>1:2010cv01445</caseNumberFull>
            <caseOffice>1</caseOffice>
            <caseTitle>Wingz, Inc. v. Henderson</caseTitle>
            <caseType>cv</caseType>
            <dateFiled>2010-02-17</dateFiled>
            <effectiveDateClosed>2010-03-12</effectiveDateClosed>
            <natureOfSuit>890</natureOfSuit>
        </party>
…… continued ……
```

Advanced Searches

Example: Cases closed from 01/01/2016 to 02/01/2016
Endpoint: https://{pclapiurl}/pcl-public-api/rest/cases/find
JSON:

```
{
    "effectiveDateClosedFrom": "2016-01-01",
    "effectiveDateClosedTo":"2016-02-01"
}
```

XML:

```
<caseSearch xmlns="https://pacer.uscourts.gov">
    <effectiveDateClosedFrom>2016-01-01</effectiveDateClosedFrom>
    <effectiveDateClosedTo>2016-02-01</effectiveDateClosedTo>
</caseSearch>
```

Example: Parties in cases with cases closed 01/01/2016 to 02/01/2016
Endpoint: https://{pclapiurl}/pcl-public-api/rest/parties/find
JSON:

```
{
     "courtCase": {
          "effectiveDateClosedFrom": "2015-02-02",
          "effectiveDateClosedTo":"2015-02-02"
     }
     }
```

XML:

```
<partySearch xmlns="https://pacer.uscourts.gov">
    <courtCase>
     <effectiveDateClosedFrom>2016-01-01</effectiveDateClosedFrom>
     <effectiveDateClosedTo>2016-02-01</effectiveDateClosedTo>
    </courtCase>
</partySearch>
```

Example: Search for all chapter 13 bankruptcy cases with a party last name "Smith" filed in a specific month
Endpoint: https://{pclapiurl}/pcl-public-api/rest/cases/find
JSON:

```
{
  "party": {
           "lastName": "Smith"
  },
  "federalBankruptcyChapter" : [ 13 ],
  "dateFiledFrom": "2016-01-01",
  "dateFiledTo":"2016-01-31"
}
```

XML:

```
<caseSearch xmlns="https://pacer.uscourts.gov">
  <federalBankruptcyChapter>13</federalBankruptcyChapter>
  <dateFiledFrom>2016-01-01</dateFiledFrom>
```

```
        <dateFiledTo>2016-01-31</dateFiledTo>
    <party>
        <role>db</role>
    </party>
</caseSearch>
```

Example: Search for all chapter 13 bankruptcy debtors filed in a specific month
Endpoint: https://{pclapiurl}/pcl-public-api/rest/parties/find
JSON:

```
{
    "courtCase": {
        "federalBankruptcyChapter" : [ 13 ],
        "dateFiledFrom": "2016-01-01",
        "dateFiledTo":"2016-01-31"
    },
    "role" : [ "db" ]
    }
```

XML:

```
<partySearch xmlns="https://pacer.uscourts.gov">
    <courtCase>
      <federalBankruptcyChapter>13</federalBankruptcyChapter>
      <dateFiledFrom>2016-01-01</dateFiledFrom>
      <dateFiledTo>2016-01-31</dateFiledTo>
    </courtCase>
    <role>db</role>
</partySearch>
```

Example: Cases that have parties with a name like Robbins, B Filed in Illinois; Chapter 7, 13
Endpoint: https://{pclapiurl}/pcl-public-api/rest/cases/find
JSON:

```
{
    "party": {
      "lastName": "Robbins",
      "firstName": "B"
    },
    "dateFiledFrom": "2014-01-01",
    "dateFiledTo":"2015-01-01",
    "federalBankruptcyChapter": [ 7, 13 ],
    "courtId": [ "il" ]
}
```

XML:

```
<caseSearch xmlns="https://pacer.uscourts.gov">
    <party>
      <lastName>Robbins</lastName>
      <firstName>C</firstName>
    </party>
    <dateFiledFrom>2014-01-01</dateFiledFrom>
    <dateFiledTo>2015-01-01</dateFiledTo>
    <federalBankruptcyChapter>7</federalBankruptcyChapter>
```

```
    <federalBankruptcyChapter>13</federalBankruptcyChapter>
    <courtId>IL</courtId>
</caseSearch>
```

Example: Parties with a name like Robbins, B in Court ID ILC, ILN, ILS; Chapter 7, 13
Endpoint: https://{pclapiurl}/pcl-public-api/rest/parties/find
JSON:

```
{
    "lastName": "Robbins",
    "firstName": "C",
    "courtCase": {
        "dateFiledFrom": "2014-01-01",
        "dateFiledTo":"2015-01-01",
        "federalBankruptcyChapter": [ 7, 13 ],
        "courtId": [ "il" ]
  }
}
```

XML:

```
<partySearch xmlns="https://pacer.uscourts.gov">
    <lastName>Robbins</lastName>
    <firstName>C</firstName>
    <courtCase>
        <dateFiledFrom>2014-01-01</dateFiledFrom>
        <dateFiledTo>2015-01-01</dateFiledTo>
        <federalBankruptcyChapter>7</federalBankruptcyChapter>
        <federalBankruptcyChapter>13</federalBankruptcyChapter>
        <courtId>IL</courtId>
    </courtCase>
</partySearch>
```

Example: Cases with a party Name Ca Nature of Suit 830
Endpoint: https://{pclapiurl}/pcl-public-api/rest/cases/find
JSON:

```
{
    "party": {
      "lastName": "Ca"
    },
    "dateFiledFrom": "2015-01-01",
    "dateFiledTo": "2015-04-01",
    "natureOfSuit": ["830"]
}
```

XML:

```
<caseSearch xmlns="https://pacer.uscourts.gov">
    <party>
        <lastName>Ca</lastName>
    </party>
    <dateFiledFrom>2014-01-01</dateFiledFrom>
    <dateFiledTo>2015-01-01</dateFiledTo>
    <natureOfSuit>830</natureOfSuit>
```

```
</caseSearch>
```

Example: Parties filed by Name like Ca Nature of Suit 830
Endpoint: https://{pclapiurl}/pcl-public-api/rest/parties/find
JSON:

```
{
    "lastName": "Ca",
    "courtCase": {
        "dateFiledFrom": "2015-01-01",
        "dateFiledTo": "2015-04-01",
        "natureOfSuit": ["830"]
    }
}
```

XML:

```
<partySearch xmlns="https://pacer.uscourts.gov">
    <lastName>Ca</lastName>
    <courtCase>>
        <dateFiledFrom>2014-01-01</dateFiledFrom>
        <dateFiledTo>2015-01-01</dateFiledTo>
        <natureOfSuit>830</natureOfSuit>
    </courtCase>
</partySearch>
```

Example: Exact Match on name fields. Search all parties with party last name Smith and first name John with no middle initial.
Endpoint: https://{pclapiurl}/pcl-public-api/rest/parties/find
JSON:

```
{
   "lastName": "Smith",
   "firstName": "John",
   "middleName": "",
   "exactNameMatch": true
}
```

XML:

```
<partySearch xmlns="https://pacer.uscourts.gov">
   <firstName>John</firstName>
   <lastName>Smith</lastName>
   <middleName></middleName>
   <exactNameMatch>true</exactNameMatch>
</partySearch>
```

Example: Cases filed at various courts with multiple date ranges.
Endpoint: https://{pclapiurl}/pcl-public-api/rest/cases/find
JSON:

```
{
    "jurisdictionType": "bk",
```

```
    "caseType": [
        "cv", "ncrim", "misc"
    ],
    "courtId": [
        "IA", "IAN", "IAS", "NV"
    ],
    "dateFiledFrom": "2000-01-01",
    "dateFiledTo": "2020-01-01",
    "effectiveDateClosedFrom": "2000-01-01",
    "effectiveDateClosedTo": "2020-01-01",
    "dateDismissedFrom": "2000-01-01",
    "dateDismissedTo": "2020-01-01",
    "dateDischargedFrom": "2000-01-01",
    "dateDischargedTo": "2020-01-01",
    "federalBankruptcyChapter": [
        "7", "15"
    ],
    "natureOfSuit": [
        "140", "151"
    ]
}
```

XML:

```xml
<caseSearch xmlns="https://pacer.uscourts.gov">
    <jurisdictionType>bk</jurisdictionType>
    <caseType>
        <element>cv</element>
        <element>ncrim</element>
        <element>misc</element>
    </caseType>
    <courtId>
        <element>IA</element>
        <element>IAN</element>
        <element>IAS</element>
        <element>NV</element>
    </courtId>
    <dateFiledFrom>2000-01-01</dateFiledFrom>
    <dateFiledTo>2020-01-01</dateFiledTo>
    <effectiveDateClosedFrom>2000-01-01</effectiveDateClosedFrom>
    <effectiveDateClosedTo>2020-01-01</effectiveDateClosedTo>
    <dateDismissedFrom>2000-01-01</dateDismissedFrom>
    <dateDismissedTo>2020-01-01</dateDismissedTo>
    <dateDischargedFrom>2000-01-01</dateDischargedFrom>
    <dateDischargedTo>2020-01-01</dateDischargedTo>
    <federalBankruptcyChapter>
        <element>7</element>
        <element>15</element>
    </federalBankruptcyChapter>
    <natureOfSuit>
        <element>140</element>
        <element>151</element>
    </natureOfSuit>
</caseSearch>
```

Example: Parties with specific name and various case parameters
Endpoint: https://{pclapiurl}/pcl-public-api/rest/parties/find
JSON:

```
{
    "lastName": "Henderson",
    "firstName": "Nicholas",
    "exactNameMatch": false,
    "courtCase": {
        "jurisdictionType": "bk",
        "caseType": [
            "cv", "ncrim", "misc"
        ],
        "courtId": [
            "ilcbk", "ilcdc"
        ],
        "dateFiledFrom": "2000-01-01",
        "dateFiledTo": "2020-01-01",
        "effectiveDateClosedFrom": "2000-01-01",
        "effectiveDateClosedTo": "2020-01-01",
        "dateDismissedFrom": "2000-01-01",
        "dateDismissedTo": "2020-01-01",
        "dateDischargedFrom": "2000-01-01",
        "dateDischargedTo": "2020-01-01",
        "federalBankruptcyChapter": [
            "7", "15"
        ],
        "natureOfSuit": [
        "140", "151"
        ]
    },
    "searchName": "Henderson",
    "searchType": "PARTY"
}
```

XML:

```
<partySearch xmlns="https://pacer.uscourts.gov">
   <courtCase>
      <caseId />
      <caseNumber />
      <caseNumberFull />
      <caseOffice />
      <caseTitle />
      <caseType>
         <element>cv</element>
         <element>ncrim</element>
         <element>misc</element>
      </caseType>
      <caseYear />
      <courtId>
         <element>ilcbk</element>
         <element>ilcdc</element>
      </courtId>
      <dateDischargedFrom>2000-01-01</dateDischargedFrom>
      <dateDischargedTo>2020-01-01</dateDischargedTo>
      <dateDismissedFrom>2000-01-01</dateDismissedFrom>
```

```xml
            <dateDismissedTo>2020-01-01</dateDismissedTo>
            <dateFiledFrom>2000-01-01</dateFiledFrom>
            <dateFiledTo>2020-01-01</dateFiledTo>
            <effectiveDateClosedFrom>2000-01-01</effectiveDateClosedFrom>
            <effectiveDateClosedTo>2020-01-01</effectiveDateClosedTo>
            <federalBankruptcyChapter>
                <element>7</element>
                <element>15</element>
            </federalBankruptcyChapter>
            <jurisdictionType>bk</jurisdictionType>
            <nos>
                <element>140</element>
                <element>151</element>
            </nos>
        </courtCase>
        <exactNameMatch>false</exactNameMatch>
        <firstName>Nicholas</firstName>
        <generation />
        <lastName>Henderson</lastName>
        <middleName />
        <partyRole />
        <partyType />
        <searchName>Henderson</searchName>
        <searchType>PARTY</searchType>
</partySearch>
```

Batch Searches

Batch searches function similarly to immediate searches except that the results of batch searches are queued for later download. The benefit of batch searches is that they allow for a much larger set of search results. In addition, immediate searches require multiple requests to page through results, while batch searches return all rows in a single request. The maximum number of batch search results is 108,000.

Batch Search

Except for the target URL, invoking a batch search (case or party) is exactly the same as invoking an immediate search. However, the object returned is different, as it provides the status of the batch job, its unique identifier, and the criteria provided.

The number of batch jobs that can run at the same time is limited. Depending on the search criteria, a batch job can take several minutes to complete. The batch status API service call can track the status of each job from WAITING to RUNNING to COMPLETE. The limits on running and stored batch jobs are subject to change and can be increased or decreased depending on system resource availability.

The number of batch jobs that are stored is also limited. The batch job delete API service call is available to remove completed batch jobs. Users must clean batch jobs as they are collected or no longer needed. The limits on running and stored batch jobs are subject to change and can be increased or decreased depending on system resource availability.

```
HttpURLConnection conn = null;

try {
   // this URL is for batch case searches.  Note that to perform batch party
   // searches, replace 'cases' with 'parties'
   URL url = new URL("https://qa-pcl.uscourts.gov/pcl-public-api/rest" +
               "/cases/download");

   conn = (HttpURLConnection) url.openConnection();
   conn.setDoOutput(true);
   conn.setRequestMethod("POST");
   conn.setRequestProperty("Content-Type", "application/json");
   conn.setRequestProperty("Accept", "application/xml");
   conn.setRequestProperty("X-NEXT-GEN-CSO", nextGenCsoKey);

   // search for all parties with last names starting with 'Smith' in cases filed
   // on or after January 1, 2010.
   String searchBody = "{ \"caseTitle\": \"Smith\" }";

   OutputStream os = conn.getOutputStream();
   os.write(searchBody.getBytes());
   os.flush();
   InputStreamReader isr = new InputStreamReader((conn.getInputStream()));

   // stream batch job start results into a BufferedReader
   BufferedReader br = new BufferedReader(isr);

   // Process results similarly to Case Search, including checking for new key

}
catch (IOException e) {
   // NOTE that an IOException with HTTP response code 401 means that an invalid
   // or expired NextGenCSO key was provided and 406 means that an invalid
   // search parameter was provided.
   e.printStackTrace();
   System.exit(-1);
}
finally {
   if (conn != null) {
      conn.disconnect();
   }
}
```

Example: Batch case search

Batch Job Statuses

When a batch job is started, only its initial status is returned. Therefore, you should check the status of a batch search before attempting to download the results.

The PCL API allows you to query the status of a single batch search or of all currently running and completed batch searches of a certain type (i.e., case or party).

This example shows the retrieval of the status of all batch case searches.

```
HttpURLConnection conn = null;

try {
   // this URL is for batch case search statuses.  Note that to request batch party
   // search statuses, replace 'cases' with 'parties'
   URL url = new URL("https://qa-pcl.uscourts.gov/pcl-public-api/rest" +
               "/cases/reports");

   conn = (HttpURLConnection) url.openConnection();
   conn.setDoOutput(true);
   conn.setRequestMethod("GET");
   conn.setRequestProperty("Content-Type", "application/json");
   conn.setRequestProperty("Accept", "application/xml");
   conn.setRequestProperty("X-NEXT-GEN-CSO", nextGenCsoKey);

   int responseCode = conn.getResponseCode();
   if (responseCode == HttpURLConnection.HTTP_OK) {
      InputStreamReader isr = new InputStreamReader((conn.getInputStream()));
      BufferedReader br = new BufferedReader(isr);

      String responseLine;
      StringBuilder requestResponse = new StringBuilder();
      while ((responseLine = br.readLine()) != null)    {
         requestResponse.append(responseLine);
      }
      System.out.println(requestResponse.toString());

      isr.close();

   } else {
      return;
   }
}
catch (IOException e) {
   // NOTE that an IOException with HTTP response code 401 means that an invalid
   // or expired NextGenCSO key was provided
   e.printStackTrace();
   System.exit(-1);
}
finally {
   if (conn != null) {
      conn.disconnect();
   }
}
```

Example: Requesting the status of all batch case searches

When a batch search is complete, the results can be downloaded. The returned search results are in the same format as those returned by the immediate case and party searches.

```java
HttpURLConnection conn = null;
Integer reportId = 401; // the ID for the report to download

try {
   // this URL is for batch case search statuses.  Note that to request batch party
   // search statuses, replace 'cases' with 'parties'
   URL url = new URL("https://qa-pcl.uscourts.gov/pcl-public-api/rest" +
               "/cases/download/" + reportId);

   conn = (HttpURLConnection) url.openConnection();
   conn.setDoOutput(true);
   conn.setRequestMethod("GET");
   conn.setRequestProperty("Content-Type", "application/json");
   conn.setRequestProperty("Accept", "application/xml");
   conn.setRequestProperty("X-NEXT-GEN-CSO", nextGenCsoKey);

   int responseCode = conn.getResponseCode();
   if (responseCode == HttpURLConnection.HTTP_OK) {
      isr = new InputStreamReader((conn.getInputStream()));
      BufferedReader br = new BufferedReader(isr);

      String responseLine;
      StringBuilder requestResponse = new StringBuilder();
      while ((responseLine = br.readLine()) != null)   {
         requestResponse.append(responseLine);
      }
      System.out.println(requestResponse.toString());

      isr.close();

   } else {
      return;
   }
}
catch (IOException e) {
   // NOTE that an IOException with HTTP response code 401 means that an invalid
   // or expired NextGenCSO key was provided
   e.printStackTrace();
   System.exit(-1);
}
finally {
   if (conn != null) {
      conn.disconnect();
   }

}
```

Example: Downloading the results of a batch case search with a report ID of 401

Delete Batch Search Results

The PCL API limits the number of batch searches that may run concurrently and the number of completed batch searches a user may retain to 10. **NOTE:** This number is subject to change.

Therefore, once the results of a batch search have been downloaded, you should delete the results of the search from the PCL system.

```
HttpURLConnection conn = null;
Integer reportId = 401; // the ID for the report to download

try {
   // this URL is for deleting batch case search results and batch party search
   //results.
   URL url = new URL("https://qa-pcl.uscourts.gov/pcl-public-api/rest" +
                "/cases/reports/" + reportId);

   conn = (HttpURLConnection) url.openConnection();
   conn.setDoOutput(true);
   conn.setRequestMethod("DELETE");
   conn.setRequestProperty("Content-Type", "application/json");
   conn.setRequestProperty("Accept", "application/xml");
   conn.setRequestProperty("X-NEXT-GEN-CSO", nextGenCsoKey);

   int responseCode = conn.getResponseCode();

   if (responseCode == HttpURLConnection.HTTP_NO_CONTENT) {
       System.out.println("The specified batch job was deleted.\n");
   } else {
       System.out.println("No results returned. HTTP Response Code: [" +
                        responseCode + "].\n");
   }
}
catch (IOException e) {
   // NOTE that an IOException with HTTP response code 401 means that an invalid
   // or expired NextGenCSO key was provided
   e.printStackTrace();
   System.exit(-1);
}
finally {
   if (conn != null) {
       conn.disconnect();
   }

}
```

Example: Deleting the results of a batch case search with a report ID of 401

Batch Search Examples

Batch search requests require the same request headers and are in the same JSON or XML format as immediate search requests. The batch search is different in that it does not return results one page at a time. The search is initiated with one service call, and results are retrieved with another service call. More services are available to view the status of a batch jobs, list batch jobs, and delete batch search results.

Start a Batch Case Search - JSON

POST: https://{pclapiurl}/pcl-public-api/rest/cases/download

Request header:

```
Content-type: application/json
Accept: application/json
X-NEXT-GEN-CSO:
your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthentic
ationtokentobeuseduntilexpirationyour128chara
```

Request body:

```
{
    "caseNumberFull": "12-20340",
    "courtId":[ "insbk" ]
}
```

Response body:

```
{
    "reportId": 1078,
    "status": "RUNNING",
    "startTime": null,
    "endTime": null,
    "recordCount": null,
    "unbilledPageCount": null,
    "downloadFee": null,
    "pages": null,
    "sort": {
        "orders": []
    },
    "searchType": "COURT_CASE",
    "criteria": {
        "searchType": "COURT_CASE",
        "courtId": [
            "insbk"
        ],
        "caseYear": 2012,
        "caseNumber": 20340,
        "requestType": "Batch",
        "requestSource": "Other",
        "caseNumberFull": "12-20340",
        "caseType": [],
        "federalBankruptcyChapter": [],
        "natureOfSuit": []
    }
}
```

Start Batch Case Search - XML

POST: https://{pclapiurl}/pcl-public-api/rest/cases/dowload

Request header:

```
Content-type: application/xml
Accept: application/xml
X-NEXT-GEN-CSO:
your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthentic
ationtokentobeuseduntilexpirationyour128chara
```

Request body:

```xml
<caseSearch xmlns="https://pacer.uscourts.gov">
    <caseTitle>Falls</caseTitle>
</caseSearch>
```

Response body:

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<reportInfo xmlns="https://pacer.uscourts.gov">
    <reportId>1079</reportId>
    <status>RUNNING</status>
    <sort/>
    <caseCriteria>
        <requestType>Batch</requestType>
        <requestSource>Other</requestSource>
        <searchType>COURT_CASE</searchType>
        <caseTitle>Falls vs</caseTitle>
    </caseCriteria>
</reportInfo>
```

Get Batch Job Status - JSON

GET: https://{pclapiurl}/pcl-public-api/rest/cases/download/status/{reportId}

Request header:

```
Accept: application/json
X-NEXT-GEN-CSO:
your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthentic
ationtokentobeuseduntilexpirationyour128chara
```

Response body:

```
{
    "reportId": 1080,
    "status": "COMPLETED",
    "startTime": "2020-12-18T14:46:44.000-0600",
    "endTime": "2020-12-18T14:46:44.000-0600",
    "recordCount": 42,
    "unbilledPageCount": 0,
    "downloadFee": 0.0,
    "pages": 1,
    "sort": {
        "orders": []
    },
    "searchType": "COURT_CASE",
    "criteria": {
        "searchType": "COURT_CASE",
        "courtId": [],
        "requestType": "Batch",
        "requestSource": "Other",
        "caseType": [],
        "caseTitle": "Falls",
        "federalBankruptcyChapter": [],
        "natureOfSuit": []
    }
}
```

Get Batch Job Status - XML

GET: https://{pclapiurl}/pcl-public-api/rest/cases/download/status/{reportId}

Request header:

```
Accept: application/xml
X-NEXT-GEN-CSO:
your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthentic
ationtokentobeuseduntilexpirationyour128chara
```

Response body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<reportInfo xmlns="https://pacer.uscourts.gov">
    <reportId>1080</reportId>
    <status>COMPLETED</status>
    <startTime>2020-12-18T15:19:14.000-0600</startTime>
    <endTime>2020-12-18T15:19:14.000-0600</endTime>
    <recordCount>42</recordCount>
    <unbilledPageCount>0</unbilledPageCount>
    <downloadFee>0.0</downloadFee>
    <pages>1</pages>
    <sort/>
    <caseCriteria>
        <requestType>Batch</requestType>
        <requestSource>Other</requestSource>
        <searchType>COURT_CASE</searchType>
        <caseTitle>Falls</caseTitle>
    </caseCriteria>
</reportInfo>
```

Get List of Batch Jobs – JSON
GET: https://{pclapiurl}/pcl-public-api/rest/cases/reports

Request header:

```
Accept: application/json
X-NEXT-GEN-CSO:
your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthentic
ationtokentobeuseduntilexpirationyour128chara
```

Response body:

```
{
    "receipt": null,
    "pageInfo": {
        "number": 0,
        "size": 54,
        "totalPages": 1,
        "totalElements": 5,
        "numberOfElements": 5,
        "first": true,
        "last": true
    },
    "content": [
        {
            "reportId": 1077,
            "status": "COMPLETED",
            "startTime": "2020-12-18T14:35:29.000-0600",
            "endTime": "2020-12-18T14:35:29.000-0600",
            "recordCount": 9,
            "unbilledPageCount": 0,
            "downloadFee": 0.0,
            "pages": 1,
            "criteria": {
                "searchType": "PARTY",
                "courtId": [],
                "requestType": "Batch",
                "requestSource": "Other",
                "role": [],
                "exactNameMatch": false,
                "ssn": "111111111"
            },
            "sort": {
                "orders": []
            }
        },
…… continued ……
```

Get List of Batch Jobs – XML
GET: https://{pclapiurl}/pcl-public-api/rest/cases/reports

Request header:

```
Accept: application/xml
X-NEXT-GEN-CSO:
your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthentic
ationtokentobeuseduntilexpirationyour128chara
```

Response body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<reportList xmlns="https://pacer.uscourts.gov">
    <pageInfo>
        <number>0</number>
        <size>54</size>
        <totalPages>1</totalPages>
        <totalElements>5</totalElements>
        <numberOfElements>5</numberOfElements>
        <first>true</first>
        <last>true</last>
    </pageInfo>
    <content>
        <report>
            <reportId>1077</reportId>
            <status>COMPLETED</status>
            <startTime>2020-12-18T14:35:29.000-0600</startTime>
            <endTime>2020-12-18T14:35:29.000-0600</endTime>
            <recordCount>9</recordCount>
            <unbilledPageCount>0</unbilledPageCount>
            <downloadFee>0.0</downloadFee>
            <pages>1</pages>
            <partyCriteria>
                <requestType>Batch</requestType>
                <requestSource>Other</requestSource>
                <searchType>PARTY</searchType>
                <exactNameMatch>false</exactNameMatch>
                <ssn>111111111</ssn>
            </partyCriteria>
            <sort/>
        </report>
…… continued ……
```

Get Batch Job Results - JSON

GET: https://{pclapiurl}/pcl-public-api/rest/cases/download/{reportId}

Request header:

```
Accepts:  application/json
X-NEXT-GEN-
CSO:your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthe
nticationtokentobeuseduntilexpirationyour128chara
```

Response body:

```
{
    "content": [
        {
            "courtId": "02lca",
            "caseId": "20830",
            "caseYear": "2001",
            "caseNumber": "100",
            "caseOffice": "0",
            "caseType": "ap",
            "caseTitle": "Griffin v Coombe",
            "dateFiled": "2001-05-01",
            "natureOfSuit": "3550",
            "caseNumberFull": "0:2001ap00100"
        },
…… continued ……
```

Get Batch Job Results - XML

GET: https://{pclapiurl}/pcl-public-api/rest/cases/download/{reportId}

Request header:

```
Accept:  application/xml
X-NEXT-GEN-
CSO:your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthe
nticationtokentobeuseduntilexpirationyour128chara
```

Response body:

```
<?xml version="1.0" encoding="UTF-8"?>
<download xmlns="https://pacer.uscourts.gov">
    <content>
        <courtCase>
            <courtId>02lca</courtId>
            <caseId>20830</caseId>
            <caseYear>2001</caseYear>
            <caseNumber>100</caseNumber>
            <caseOffice>0</caseOffice>
            <caseType>ap</caseType>
            <caseTitle>Griffin v Coombe</caseTitle>
            <dateFiled>2001-05-01</dateFiled>
            <natureOfSuit>3550</natureOfSuit>
            <caseNumberFull>0:2001ap00100</caseNumberFull>
        </courtCase>
…… continued ……
```

Delete a Batch Job - JSON

DELETE: https://{pclapiurl}/pcl-public-api/rest/cases/reports/{reportId}

Request header:

```
Accept: application/json
X-NEXT-GEN-CSO:
your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthentic
ationtokentobeuseduntilexpirationyour128chara
```

Response:

```
HTTP 204
```

Delete a Batch Job - XML

DELETE: https://{pclapiurl}/pcl-public-api/rest/cases/reports/{reportId}

Request header:

```
Accept: application/xml
X-NEXT-GEN-CSO:
your128characterauthenticationtokentobeuseduntilexpirationyour128characterauthentic
ationtokentobeuseduntilexpirationyour128chara
```

Response:

```
HTTP 204
```

PCL Search API

The PCL Search API can be used to search for federal court cases or for parties associated with federal cases. Each service accepts the PCL search criteria in either XML or JSON formats. Successful service responses will return an HTTP 200 response code. Services predicated with the "/cases" path will return a list of court cases. Services with the "/parties" path will return a list of parties.

Setting the Headers

All PCL API search requests require the same request headers, including the token returned from the authentication service call (nextGenCSO). This token should be included in the X-NEXT-GEN-CSO request header of each request.

The following headers are required for all PCL search API requests:
- **Content-type:** This header indicates the content of the request body. Valid values are "application/xml" for XML requests and "application/json" for JSON requests.
- **X-NEXT-GEN-CSO:** This header should contain the authentication token from the PACER authentication service. Failure to set this header will result in a 401 (user is unauthorized) error.

The following headers are optional:
- **Accept:** This header determines the type of response returned by the server. The application currently supports a response of "application/json" and "application/xml." If the Accept header is not set, then the default response is "application/json."
- **X-CLIENT-CODE:** This allows the user to tag billing transactions to a specific client.

API Endpoints

Basic Searches

Searching for Cases

PCL API searches can either return one page of data at a time or an entire result set, depending on the API endpoint. The /find endpoint returns search results on a page-by-page basis and allows for pagination through the search results.

Description:	Search for cases that match search criteria. The first page of results (up to 54 matches) is returned immediately. Other pages of the results can be accessed page by page using URL parameters (page=#). Pages are billed as they are retrieved.
Service:	/cases/find
Method:	POST
URL parameter:	Sorting and pagination options (see the Sorting and Pagination sections below for examples)
Request body:	CourtCaseSearchDto Search criteria in XML and JSON format
Response body:	ReportListType

Searching for Parties

As with case searches, the party searches can either return one page of data at a time or an entire result set, depending on the API endpoint. The /find endpoint returns search results on a page-by-page basis and allows for pagination through the search results.

Description:	Search for matching cases with party data. The first page of results (up to 54 matches) are returned immediately. Other pages of the results can be accessed page by page using URL parameters (page=#). Pages are billed as they are retrieved.
Service:	/parties/find
Method:	POST
URL parameter:	Sorting and pagination options (see the Sorting and Pagination sections below for examples)
Request body:	PartySearchDto
Response body:	ReportListType

Batch Jobs

Starting Report Jobs

The /download endpoint will return a report ID that can be used to later retrieve the entire result set. This means you must make one service call to start the search and another to retrieve the results. Once the results are retrieved, the user is billed for the total number of pages in the search results. A maximum of 108,000 results (2,000 pages) can be retrieved using this service.

Description:	Start a case search batch job.
Service:	/cases/download
Method:	POST
Request body:	CourtCaseSearchDto
Response body:	ReportInfoType The report ID used to retrieve search results is included in the response.

Retrieving Report Jobs

Once a report job has completed, the results can be retrieved using this service.

Description:	Retrieve full results from the case search batch job.
Service:	/cases/download/{reportId}
Method:	GET
URL parameter:	reportId is the ID of the report from the ReportInfoType returned when the job started.
Response body:	ReportListType Included in this response are the downloadable number of pages, along with billing information. The user is charged once to download any given report job.

Case Report Job Maintenance

These services maintain PCL API search jobs. Report jobs that are started using the /download service may need to be removed. Use the following services to view the status of current report jobs and remove old reports.

Description:	Retrieve the status of a batch search job.
Service:	/cases/download/status/{reportId}
Method:	GET
URL parameter:	reportId is the ID of the report.
Response body:	ReportListType Included in the response are number of pages along with the original search criteria. If the report does not exist, then the user will receive a response saying the report is not found. There is no charge for checking on the status of a report.

Description:	List all current batch jobs.
Service:	/cases/reports
Method:	GET
Response body:	ReportListType A list of all report jobs currently on the PCL system is included in the response.
Description:	Remove an existing batch job. The user can only host a limited number of report jobs on the server. Once the limit is reached, the user **must** delete existing reports to run new ones.
Service:	/cases/reports/{reportId}
Method:	DELETE
Response body:	

Starting Party Report Jobs

The /download endpoint will return a report ID that can be used to later retrieve the entire result set. This means you must make one service call to start the search and another to retrieve the results. Once the results are retrieved, the user is billed for the total number of pages in the search results. A maximum of 100,000 results can be retrieved using this service.

Description:	Start a party search batch job.
Service:	/parties/download
Method:	POST

Request body: PartySearchDto
Response body: ReportInfoType
                  Included in the response is a report ID used to retrieve the search results.

Retrieving Report Jobs
Once a report job has completed, the results can be retrieved using this service.

Description: Retrieve full results from the case search batch job.
Service: /parties/download/{reportId}
Method: GET
URL parameter: reportId is the ID of the report.
Response body: ReportListType

Party Report Job Maintenance
These services are used to maintain PCL API search jobs. Report jobs that are started using the
/download service may need to be removed. Use the following services to view the status of current
report jobs and remove old reports.

Description: Retrieve the status of the batch search job.
Service: /parties/download/status/{reportId}
Method: GET
URL parameter: reportId is the ID of the report.
Response body: ReportListType

Description: List all batch jobs.
Service: /parties/reports
Method: GET
Response body: ReportListType

Description: Remove an existing batch job.
Service: /parties/reports/{reportId}
Method: DELETE

Search Criteria—Data Definitions

The current search criteria are based on the existing PCL application. The backend API validates the search criteria before submitting the request to the database.

Case Searches – Searchable Fields

ALL COURT TYPES			
API Field(s)	**Type**	**Description**	**Format**
jurisdictionType	String	Jurisdiction type of the case	- ap for appellate cases - bk for bankruptcy cases - cr for criminal cases - cv for civil cases - mdl for Judicial Panel Multidistrict Litigation (JPML) cases
caseId	Integer	Sequentially generated number that identifies the case	Integer maximum: 2,147,483,647
caseNumberFull	String	Case number	When all elements are present in the case number, the most common format is o:yy-tp-nnnnn, where "o" is a single-digit integer that specifies the office and "tp" is the two-character case type. Users may or may not have all of the elements of the case number, so the following formats should be accepted: - yy-nnnnn - yy-tp-nnnnn - yy tp nnnnn - yytpnnnnn - o:yy-nnnnn - o:yy-tp-nnnnn - o:yy tp nnnnn - o:yytpnnnnn

caseTitle	String	The title by which the case is commonly known	Text field that is not case-sensitive and accepts alphanumeric and special characters. Maximum length: 254
caseOffice	String	The divisional office in which the case was filed	One alphanumeric character
caseNumber	String	The sequence number of the case	Five-digit number
caseType	List[String]	Code that identifies the type of case	Text field that accepts letters, numbers, and special characters. Maximum length: 6
caseYear	String	The last two digits of the year in which the case was filed	Two-digit or four-digit year
courtId	List[String]	The general geographical region or specific court district	The court ID is the abbreviation of the court location combined with the court type (dc or bk). Maximum length: 6 characters For a complete list of valid court IDs and regions, see Appendix A. More information about the role and structure of the U.S. courts can be found here: https://www.uscourts.gov/about-federal-courts/court-role-and-structure.
dateFiledFrom and dateFiledTo	Date	Filing date of the case, generated during case opening	Date in the format yyyy-MM-dd
effectiveDateClosedFrom and effectiveDateClosedTo	Date	Filing date of the most recent docket entry that terminated (closed) the case (if a case was closed and reopened, there could have been multiple terminations)	Date in the format yyyy-MM-dd
BANKRUPTCY CASES ONLY			
API Field(s)	**Type**	**Description**	**Format**
federalBankruptcyChapter	List[String]	Federal bankruptcy chapter under which the case is filed	7: Chapter 7 9: Chapter 9 11: Chapter 11 13: Chapter 13 15: Chapter 15

			• 304: Chapter 304 For more on bankruptcy chapters, see Appendix B.
dateDismissedFrom and dateDismissedTo	Date	Date range of bankruptcy case dismissal	Date in the format yyyy-MM-dd
dateDischargedFrom and dateDischargedTo	Date	Date range of bankruptcy case discharge	Date in the format yyyy-MM-dd

<table>
<tr><td colspan="4" align="center">CIVIL AND APPELLATE CASES ONLY</td></tr>
<tr><td align="center">API Field(s)</td><td align="center">Type</td><td align="center">Description</td><td align="center">Format</td></tr>
<tr><td>natureOfSuit</td><td>List[String]</td><td>Nature of suit for the case</td><td>Three or four digits
See valid values for civil nature of suit in Appendix C and appellate nature of suit in Appendix D.</td></tr>
<tr><td colspan="4" align="center">JPML CASES ONLY</td></tr>
<tr><td align="center">API Field(s)</td><td align="center">Type</td><td align="center">Description</td><td align="center">Format</td></tr>
<tr><td>jpmlNumber</td><td>Integer</td><td>Master JPML case number</td><td>Integer representing the JPML master case number
Maximum: 6 digits</td></tr>
</table>

Case Search – JSON Representation

```json
{
    "jurisdictionType": "",
    "caseId" :"",
    "caseNumberFull": "",
    "caseTitle": "",
    "caseOffice": "",
    "caseNumber": "",
    "caseType": [
        ""
    ],
    "caseYear": "",
    "courtId": [
        ""
    ],
    "dateFiledFrom": "",
    "dateFiledTo": "",
    "effectiveDateClosedFrom": "",
    "effectiveDateClosedTo":"",
    "federalBankruptcyChapter": [
        ""
    ],
    "dateDismissedFrom": "",
    "dateDismissedTo": "",
    "dateDischargedFrom": "",
    "dateDischargedTo": "",
    "natureOfSuit": [
        ""
    ],
    "jpmlNumber" :
}
```

Case Search – XML Representation

```xml
<caseSearch xmlns="https://pacer.uscourts.gov">
    <jurisdictionType></jurisdictionType>
    <caseId></caseId>
    <caseNumberFull></caseNumberFull>
    <caseTitle></caseTitle>
    <caseOffice></caseOffice>
    <caseNumber></caseNumber>
    <caseType>
        <element></element>
    </caseType>
    <caseYear></caseYear>
    <courtId>
        <element ></element>
    </courtId>
    <dateFiledFrom></dateFiledFrom>
    <dateFiledTo></dateFiledTo>
    <effectiveDateClosedFrom></effectiveDateClosedFrom>
    <effectiveDateClosedTo></effectiveDateClosedTo>
    <federalBankruptcyChapter>
        <element></element>
    </federalBankruptcyChapter>
    <dateDismissedFrom></dateDismissedFrom>
    <dateDismissedTo></dateDismissedTo>
    <dateDischargedFrom></dateDischargedFrom>
    <dateDischargedTo></dateDischargedTo>
    <natureOfSuit>
        <element></element>
    </natureOfSuit>
    <jpmlNumber></jpmlNumber>
</caseSearch>
```

Party Searches – Searchable Fields

This section includes any of the following fields optionally combined with Case Searches – Searchable Fields. A minimally valid search will include at least one of the following:

- Last name (also used to search for a non-person entity)
- Social Security number (SSN), only for bankruptcy debtors
- Date filed (from or to)
- Date closed (from or to)
- Date dismissed (from or to)
- Date discharged (from or to)

Party searches may also include elements of court case searches to refine the results. Case elements of a party search are provided via an included **courtCase** nested object. See the Court Case – Searchable Fields section of this manual for the search field available.

For example, to limit a party search for parties with the last name "Smith" to only cases filed on or after January 1, 2010, provide the following JSON object:

```
{
    "lastName": "Smith",
    "courtCase": {
        "dateFiledFrom": "2010-01-01"
    }
}
```

NOTE: Search field names are case sensitive, but search values are not.

PARTY SEARCH INPUT OPTIONS			
API Field(s)	**Type**	**Description**	**Format**
reportId	String	User-supplied identifier that is returned with search results	This field has no effect on the search or the results of the search but is useful for identifying a search.
courtId	List[String]	The geographical region or specific court district	See Appendix E for a list of valid regions for each environment.
caseId	Integer	A unique identifier for each case	
caseNumberFull	String	A formatted case number	Case numbers may be entered in each of the following formats: • yy-nnnnn • yy-tp-nnnnn • yy tp nnnnn • yytpnnnnn • o:yy-nnnnn • o:yy-tp-nnnnn • o:yy tp nnnnn • o:yytpnnnnn where: "yy" is case year (may be 2 or 4 digits) "nnnn" is case number (up to 5 digits) "tp" is case type (up to 2 characters) "o" is the office where the case was filed (1 digit) **NOTE:** Case type and office values are ignored for appellate case numbers.
lastName	String	The last name of a party to search. This field is also used to search for a non-person entity. If the exactMatches flag is not set to "true," the lastName parameter is a "starts with" search parameter that will match any last name that starts with the included characters.	Alphanumeric value of last name
firstName	String	The first name of a party to search.	Alphanumeric value of first name

		If the exactMatches flag is not set, the lastName parameter is a "starts with" search parameter that will match any last name that starts with the included characters.	
middleName	String	The middle name of a party to search.

If the exactMatches flag is not set, the lastName parameter is a "starts with" search parameter that will match any last name that starts with the included characters. | Alphanumeric value of middle name |
| generation | String | The name suffix (e.g., III, MD)

This is an exact match field for length and capitalization. | String length maximum: 5 |
| partyType | String | The court-assigned party type for a party involved in a case | Party type codes are created and assigned by individual courts, and as such, their meanings can vary from court to court. |
| role | List[String] | The court-assigned role for a party to a case | Party role codes are created and assigned by individual courts, and as such, their meanings can vary from court to court.

NOTE: Because the PCL does not receive party role information for appellate cases, a search including party roles will not return appellate cases, even if the search would have returned appellate cases if the role had been omitted. |
| exactNameMatch | Boolean | By default, any party name value provided will return any party whose name starts with that value.

Set exactNameMatch to "true" to override that behavior and return only names that exactly match what is entered. | {
"lastName": "Smith",
"exactNameMatch": true
} |

caseYearFrom	Integer	Limit results to those of cases from the year specified and later	4-digit integer value maximum
caseYearTo	Integer	Limit results to those of cases from the year specified and earlier	4-digit integer value maximum
jurisdictionType	String		The most common jurisdiction types are: • **ap** for appellate cases • **bk** for bankruptcy cases • **cr** for criminal cases • **cv** for civil cases • **mdl** for Judicial Panel Multidistrict Litigation (JPML) cases See Appendix F for a complete list of known valid case types for each environment.
ssn	String	Search for parties with a particular SSN.	Must be all-numeric values; may include dashes but not required
ssn4	String	Search for parties whose SSN ends with a specified four digits.	When specified, a last name/entity name must also be specified.

Party Search – JSON Representation

```
{
    "reportId": "",
    "courtId": [
        ""
    ],
    "caseId" :"",
    "caseNumberFull": "",
    "lastName": "",
    "firstName": "",
    "middleName": "",
    "generation": "",
    "partyType": "",
    "partyRole": "",
    "exactNameMatch": ,
    "caseYearFrom": "",
    "caseYearTo": "",
    "jurisdictionType": "",
    "ssn": "",
    "ssn4": ""
}
```

Party Search – XML Representation

```
<partySearch xmlns="https://pacer.uscourts.gov">
    <reportId></reportId>
    <courtId>
        <element />
    </courtId>
    <caseId></caseId>
    <caseNumberFull></caseNumberFull>
    <lastName></lastName>
    <firstName></firstName>
    <middleName></middleName>
    <generation></generation>
    <partyRole></partyRole>
    <partyType></partyType>
    <exactNameMatch></exactNameMatch>
    <caseYearFrom></caseYearFrom>
    <caseYearTo></caseYearTo>
    <jurisdictionType></jurisdictionType>
    <ssn></ssn>
    <ssn4></ssn4>
</partySearch>
```

Search Results—Data Definitions

Case Search Results

ALL COURT TYPES			
API Field(s)	**Type**	**Description**	**Format**
caseLink	String	Link to case in the case management/electronic case files (CM/ECF) system at the court	URL of the case in CM/ECF
jurisdictionType	String	Jurisdiction type of the case	• ap for appellate cases • bk for bankruptcy cases • cr for criminal cases • cv for civil cases • mdl for Judicial Panel Multidistrict Litigation (JPML) cases
caseId	Integer	Sequentially generated number that identifies the case	Integer maximum: 2,147,483,647
caseNumberFull	String	Case number	When all elements are present in the case number, the most common format is o:yy-tp-nnnnn, where "o" is a single-digit integer that specifies the office, and "tp" is the two-character case type. Users may or may not have all of the elements of the case number, so the following formats should be accepted: • yy-nnnnn • yy-tp-nnnnn • yy tp nnnnn • yytpnnnnn • o:yy-nnnnn • o:yy-tp-nnnnn • o:yy tp nnnnn • o:yytpnnnnn

caseTitle	String	The title by which the case is commonly known	Text field that is not case-sensitive and accepts alphanumeric and special characters Maximum length: 254
caseOffice	String	The divisional office in which the case was filed	One alphanumeric character
caseNumber	String	The sequence number of the case	Five-digit number
caseType	String	Code that identifies the type of case	Text field that accepts letters, numbers, and special characters Maximum length: 6
caseYear	Short	The last two digits of the year in which the case was filed	Two- or four-digit year
courtId	List[String]	The general geographical region or specific court district	The court ID is the abbreviation of the court location combined with the court type (dc or bk). Maximum length: 6 characters. For a complete list of valid court IDs and regions, see Appendix A. More information about the role and structure of the U.S. courts can be found here: https://www.uscourts.gov/about-federal-courts/court-role-and-structure.
dateFiledFrom and dateFiledTo	Date	Filing date of the case, generated during case opening	Date in the format yyyy-mm-dd
effectiveDateClosedFrom and effectiveDateClosedTo	Date	Filing date of the most recent docket entry that terminated (closed) the case (if a case was closed and reopened, there could have been multiple terminations)	Date in the format yyyy-mm-dd
BANKRUPTCY CASES ONLY			
API Field(s)	**Type**	**Description**	**Format**
federalBankruptcyChapter	List[String]	Federal bankruptcy chapter under which the case is filed	• 7: Chapter 7 • 9: Chapter 9 • 11: Chapter 11 • 13: Chapter 13 • 15: Chapter 15 • 304: Chapter 304

			For more information on bankruptcy chapters, see Appendix B.
dateDismissedFrom and dateDismissedTo	Date	Date range of bankruptcy case dismissal	Date in the format yyyy-MM-dd
dateDischargedFrom and dateDischargedTo	Date	Date range of bankruptcy case discharge	Date in the format yyyy-MM-dd

CIVIL AND APPELLATE CASES ONLY			
API Field(s)	**Type**	**Description**	**Format**
natureOfSuit	List[String]	Nature of suit for the case	Three or four digits. See valid values for civil nature of suit in Appendix C and appellate nature of suit in Appendix D.

JPML CASES ONLY			
API Field(s)	**Type**	**Description**	**Format**
jpmlNumber	Integer	Master JPML case number	Integer representing the JPML master case number Maximum: 6 digits

JPML MASTER CASES ONLY			
API Field(s)	**Type**	**Description**	**Format**
jpmlNumber	Integer		

PAGE INFO			
API Field(s)	**Type**	**Description**	**Format**
number	Integer	Page number returned	Integer maximum: 2,147,483,647
size	Integer	Page size (54)	Maximum page size 54
totalPages	Integer	Total pages of data available	Integer maximum: 2,147,483,647
totalElements	Long	Total number of records available	
numberOfElements	Integer	Number of records returned (**NOTE:** Not applicable for batch report requests)	Maximum long value: 9,223,372,036,854,775,807
first	Boolean	Indicates if the current page is the first page (**NOTE:** Not applicable for batch report requests)	True or false

API Field(s)	Type	Description	Format
last	Boolean	Indicates if the current page is the last page (**NOTE:** Not applicable for batch report requests)	True or false

Party Search Results

This section includes all Case search results.

ALL COURT TYPES			
API Field(s)	**Type**	**Description**	**Format**
lastName	String	Last name of the party	Alphanumeric text field Maximum: 200 characters
firstName	String	First name of the party	Alphanumeric text field Maximum: 50 characters
middleName	String	Middle name of the party	Alphanumeric text field Maximum: 10 characters
generation	String	Generation of the party, e.g., "jr", "III"	Alphanumeric text field Maximum: 5 characters
partyType	String	Code used to broadly classify the type of person, e.g., "pty"	Alphanumeric text field Maximum: 3 characters
partyRole	String	Used to record the role of the party in the case, e.g., "dft," "pla," etc.	Alphanumeric text field Maximum: 10 characters
REPORT INFO			
API Field(s)	**Type**	**Description**	**Format**
reportId	Long	Unique ID for report	Maximum long value: 9,223,372,036,854,775,807
status	String	Status of the report Possible values: - COMPLETED - RUNNING - WAITING - FAILED	Enumeration values

startTime	Date	Time when the report generation started	yyyy-MM-dd'T'HH:mm:ss.SSSZ (timezone="US/Central")
endTime	Date	Time when the report generation ended	yyyy-MM-dd'T'HH:mm:ss.SSSZ (timezone="US/Central")
recordCount	Long	Number of records in the report	Maximum Long value: 9,223,372,036,854,775,807
unbilledPageCount	Long	Number of pages in report that have not been billed	Maximum Long value: 9,223,372,036,854,775,807
downloadFee	Double	Cost to download the report	Floating point number converted to dollar value
pages	Long	Number of pages in the report	Maximum Long value: 9,223,372,036,854,775,807

RECEIPT			
API Field	**Type**	**Description**	**Format**
transactionDate	Date	Timestamp of search transaction	YYYY-MM-DDTHH:MM:SS.MS-TZ
billablePages	Integer	Number of billable pages	Maximum: 2,147,483,647
loginId	String	User login ID	Maximum length: 40
search	String	Search criteria	Maximum length: 255
description	String	Search description	Maximum length: 100
csoId	Integer	PACER account ID	Integer maximum: 2,147,483,647
reportId	Long	Report ID	Maximum long value: 9,223,372,036,854,775,807
searchFee	Double	Fee for search	Floating point number converted to dollar value

COURT CASE			
API Field	**Type**	**Description**	**Format**
caseNumberFull	String	ID of the court. Case number can be used alone or with other search criteria.	See Case Searches – Searchable Fields table
caseYearFrom	Short	Beginning case year for search	Number between 0 and 2,100
caseYearTo	Short	End case year for search	Number between 0 and 2,100
jmplNumber	Integer	JMPL number for search	Integer
caseOffice	String	The case office	String max length: 2
caseType	List[String]	Code identifies type of case	List of strings accepts letters, numbers, and special characters. Maximum length: 6
caseTitle	String	Title of the case	String of case title, accepts wildcards.

dateFiledFrom	Date	Search on the date filed start date	yyyyy-mm-dd
dateFiledTo	Date	Search on the date filed end date	yyyyy-mm-dd
effectiveDateClosedFrom	Date	Search on date close start date	yyyyy-mm-dd
effectiveDateClosedTo	Date	Search on date closed end date	yyyyy-mm-dd
dateReopenedFrom	Date	Date case was reopened start date	yyyyy-mm-dd
dateReopenedTo	Date	Date case was reopened end date	yyyyy-mm-dd
dateDismissedTo	Date	Date case dismissed start date	yyyyy-mm-dd
dateDismissedFrom	Date	Date case dismissed end data	yyyyy-mm-dd
dateDischargedTo	Date	Date case discharged start date	yyyyy-mm-dd
dateDischargedFrom	Date	Date case discharged end date	yyyyy-mm-dd
federalBankruptcyChapter	List[String]	List of valid bankruptcy chapters	See Appendix B
dispositionMethod	String	Disposition method of case	String with a maximum length of 100
dispoMethodJt	String	Joint disposition method of case	String with a maximum length of 100
dateDismissedJtFrom	Date	Joint dismissed case start date	yyyyy-mm-dd
dateDismissedJtTo	Date	Joint dismissed case end date	yyyyy-mm-dd
caseJoint	Character	Case joint	Single character
jurisdictionType	String	Court with jurisdiction	See Cases Searches – Searchable Fields
natureOfSuit	List [String]	Nature of suit	See Appendix C
caseStatus	Character	Status of case	Single character—valid status is "O" for open cases, or "C" for closed cases

Sorting

You may sort reports by specifying the sort fields using criteria parameters. You can sort on one or more fields in either descending (DESC) or ascending (ASC) order.

For example, to sort on case year descending and then within the year to sort on case type ascending, add the following parameters: **sort=caseYear,DESC&sort=caseType,ASC**,

NOTE: The order of the parameters is important, as case year is the primary sort field and case type is the secondary sort field.

Sortable Case Fields

courtId	dateDismissed	jpmlNumber	mdlExtension
caseId	dateDischarged	mdlCourtId	mdlTransfereeDistrict
caseYear	bankrupctyChapter	civilDateInitiate	mdlLittype
caseNumber	dispositionMethod	civilDateDisposition	mdlStatus
caseOffice	jointDispositionMethod	civilDateTerminated	mdlDateReceived
caseType	jointDismissedDate	civilStatInitiated	mdlDateOrdered
caseTitle	jointDischargedDate	civilStatDisposition	mdlTransferee
dateFiled	jointBankruptcyFlag	civilStatTerminated	
effectiveDateClosed	natureOfSuit	civilCtoNumber	
dateReopened	jurisdictionType	civilTransferee	

Sortable Party Fields

courtId	partyType
caseId	role
caseYear	jurisdictionType
caseNumber	seqNo
lastName	aliasEq
firstName	aliasType
middleName	description
generation	

Pagination

Non-batch reports are returned in pages of 54 records each. The first page is page 0. If nothing is specified, then page 0 is returned. To return a specific page number, use the "page" parameter as indicated below.

For example, to request the third page, append **page=2** to your query URL.

Appendix A: Court IDs

Court ID	Court Name
01bap	U.S. Court of Appeals, First Circuit BAP
01ca	U.S. Court of Appeals, First Circuit
02ca	U.S. Court of Appeals, Second Circuit
03ca	U.S. Court of Appeals, Third Circuit
04ca	U.S. Court of Appeals, Fourth Circuit
05ca	U.S. Court of Appeals, Fifth Circuit
06ca	U.S. Court of Appeals, Sixth Circuit
07ca	U.S. Court of Appeals, Seventh Circuit
08ca	U.S. Court of Appeals, Eighth Circuit
09bap	U.S. Court of Appeals, Ninth Circuit BAP
09ca	U.S. Court of Appeals, Ninth Circuit
10ca	U.S. Court of Appeals, Tenth Circuit
11ca	U.S. Court of Appeals, Eleventh Circuit
akbk	Alaska Bankruptcy Court
akdc	Alaska District Court
almbk	Alabama Middle Bankruptcy Court
almdc	Alabama Middle District Court
alnbk	Alabama Northern Bankruptcy Court
alndc	Alabama Northern District Court
alsbk	Alabama Southern Bankruptcy Court
alsdc	Alabama Southern District Court
arebk	Arkansas Eastern Bankruptcy Court
aredc	Arkansas Eastern District Court
arwbk	Arkansas Western Bankruptcy Court
arwdc	Arkansas Western District Court
azbk	Arizona Bankruptcy Court
azdc	Arizona District Court
cacbk	California Central Bankruptcy Court
cacdc	California Central District Court
caebk	California Eastern Bankruptcy Court
caedc	California Eastern District Court
cafc	U.S. Court of Appeals, Federal Circuit
canbk	California Northern Bankruptcy Court
candc	California Northern District Court
casbk	California Southern Bankruptcy Court
casdc	California Southern District Court
citdc	United States Court of International Trade
cobk	Colorado Bankruptcy Court
codc	Colorado District Court
cofc	United States Federal Claims Court
ctbk	Connecticut Bankruptcy Court
ctdc	Connecticut District Court
dcbk	District Of Columbia Bankruptcy Court
dcca	U.S. Court of Appeals, D.C. Circuit
dcdc	District Of Columbia District Court

debk	Delaware Bankruptcy Court
dedc	Delaware District Court
flmbk	Florida Middle Bankruptcy Court
flmdc	Florida Middle District Court
flnbk	Florida Northern Bankruptcy Court
flndc	Florida Northern District Court
flsbk	Florida Southern Bankruptcy Court
flsdc	Florida Southern District Court
gambk	Georgia Middle Bankruptcy Court
gamdc	Georgia Middle District Court
ganbk	Georgia Northern Bankruptcy Court
gandc	Georgia Northern District Court
gasbk	Georgia Southern Bankruptcy Court
gasdc	Georgia Southern District Court
gubk	Guam Bankruptcy Court
gudc	Guam District Court
hibk	Hawaii Bankruptcy Court
hidc	Hawaii District Court
ianbk	Iowa Northern Bankruptcy Court
iandc	Iowa Northern District Court
iasbk	Iowa Southern Bankruptcy Court
iasdc	Iowa Southern District Court
idbk	Idaho Bankruptcy Court
iddc	Idaho District Court
ilcbk	Illinois Central Bankruptcy Court
ilcdc	Illinois Central District Court
ilnbk	Illinois Northern Bankruptcy Court
ilndc	Illinois Northern District Court
ilsbk	Illinois Southern Bankruptcy Court
ilsdc	Illinois Southern District Court
innbk	Indiana Northern Bankruptcy Court
inndc	Indiana Northern District Court
insbk	Indiana Southern Bankruptcy Court
insdc	Indiana Southern District Court
jpmldc	Judicial Panel on Multidistrict Litigation
ksbk	Kansas Bankruptcy Court
ksdc	Kansas District Court
kyebk	Kentucky Eastern Bankruptcy Court
kyedc	Kentucky Eastern District Court
kywbk	Kentucky Western Bankruptcy Court
kywdc	Kentucky Western District Court
laebk	Louisiana Eastern Bankruptcy Court
laedc	Louisiana Eastern District Court
lambk	Louisiana Middle Bankruptcy Court
lamdc	Louisiana Middle District Court
lawbk	Louisiana Western Bankruptcy Court
lawdc	Louisiana Western District Court

mabk	Massachusetts Bankruptcy Court
madc	Massachusetts District Court
mdbk	Maryland Bankruptcy Court
mddc	Maryland District Court
mebk	Maine Bankruptcy Court
medc	Maine District Court
miebk	Michigan Eastern Bankruptcy Court
miedc	Michigan Eastern District Court
miwbk	Michigan Western Bankruptcy Court
miwdc	Michigan Western District Court
mnbk	Minnesota Bankruptcy Court
mndc	Minnesota District Court
moebk	Missouri Eastern Bankruptcy Court
moedc	Missouri Eastern District Court
mowbk	Missouri Western Bankruptcy Court
mowdc	Missouri Western District Court
msnbk	Mississippi Northern Bankruptcy Court
msndc	Mississippi Northern District Court
mssbk	Mississippi Southern Bankruptcy Court
mssdc	Mississippi Southern District Court
mtbk	Montana Bankruptcy Court
mtdc	Montana District Court
ncebk	North Carolina Eastern Bankruptcy Court
ncedc	North Carolina Eastern District Court
ncmbk	North Carolina Middle Bankruptcy Court
ncmdc	North Carolina Middle District Court
ncwbk	North Carolina Western Bankruptcy Court
ncwdc	North Carolina Western District Court
ndbk	North Dakota Bankruptcy Court
nddc	North Dakota District Court
nebk	Nebraska Bankruptcy Court
nedc	Nebraska District Court
nhbk	New Hampshire Bankruptcy Court
nhdc	New Hampshire District Court
njbk	New Jersey Bankruptcy Court
njdc	New Jersey District Court
nmbk	New Mexico Bankruptcy Court
nmdc	New Mexico District Court
nmidc	Northern Mariana Islands District Court
nvbk	Nevada Bankruptcy Court
nvdc	Nevada District Court
nyebk	New York Eastern Bankruptcy Court
nyedc	New York Eastern District Court
nynbk	New York Northern Bankruptcy Court
nyndc	New York Northern District Court
nysbk	New York Southern Bankruptcy Court
nysdc	New York Southern District Court
nywbk	New York Western Bankruptcy Court

nywdc	New York Western District Court
ohnbk	Ohio Northern Bankruptcy Court
ohndc	Ohio Northern District Court
ohsbk	Ohio Southern Bankruptcy Court
ohsdc	Ohio Southern District Court
okebk	Oklahoma Eastern Bankruptcy Court
okedc	Oklahoma Eastern District Court
oknbk	Oklahoma Northern Bankruptcy Court
okndc	Oklahoma Northern District Court
okwbk	Oklahoma Western Bankruptcy Court
okwdc	Oklahoma Western District Court
orbk	Oregon Bankruptcy Court
ordc	Oregon District Court
paebk	Pennsylvania Eastern Bankruptcy Court
paedc	Pennsylvania Eastern District Court
pambk	Pennsylvania Middle Bankruptcy Court
pamdc	Pennsylvania Middle District Court
pawbk	Pennsylvania Western Bankruptcy Court
pawdc	Pennsylvania Western District Court
prbk	Puerto Rico Bankruptcy Court
prdc	Puerto Rico District Court
ribk	Rhode Island Bankruptcy Court
ridc	Rhode Island District Court
scbk	South Carolina Bankruptcy Court
scdc	South Carolina District Court
sdbk	South Dakota Bankruptcy Court
sddc	South Dakota District Court
tnebk	Tennessee Eastern Bankruptcy Court
tnedc	Tennessee Eastern District Court
tnmbk	Tennessee Middle Bankruptcy Court
tnmdc	Tennessee Middle District Court
tnwbk	Tennessee Western Bankruptcy Court
tnwdc	Tennessee Western District Court
txebk	Texas Eastern Bankruptcy Court
txedc	Texas Eastern District Court
txnbk	Texas Northern Bankruptcy Court
txndc	Texas Northern District Court
txsbk	Texas Southern Bankruptcy Court
txsdc	Texas Southern District Court
txwbk	Texas Western Bankruptcy Court
txwdc	Texas Western District Court
utbk	Utah Bankruptcy Court
utdc	Utah District Court
vaebk	Virginia Eastern Bankruptcy Court
vaedc	Virginia Eastern District Court
vawbk	Virginia Western Bankruptcy Court
vawdc	Virginia Western District Court
vibk	Virgin Islands Bankruptcy Court

vidc	Virgin Islands District Court
vtbk	Vermont Bankruptcy Court
vtdc	Vermont District Court
waebk	Washington Eastern Bankruptcy Court
waedc	Washington Eastern District Court
wawbk	Washington Western Bankruptcy Court
wawdc	Washington Western District Court
wiebk	Wisconsin Eastern Bankruptcy Court
wiedc	Wisconsin Eastern District Court
wiwbk	Wisconsin Western Bankruptcy Court
wiwdc	Wisconsin Western District Court
wvnbk	West Virginia Northern Bankruptcy Court
wvndc	West Virginia Northern District Court
wvsbk	West Virginia Southern Bankruptcy Court
wvsdc	West Virginia Southern District Court
wybk	Wyoming Bankruptcy Court
wydc	Wyoming District Court

Appendix B: Bankruptcy Chapters

- **7: Chapter 7.** This chapter provides for liquidation, which is the sale of a debtor's non-exempt property and the distribution of the proceeds to creditors.
- **9: Chapter 9.** This chapter provides for reorganization of municipalities, which includes cities/towns, villages, counties, taxing districts, municipal utilities, and school districts.
- **11: Chapter 11.** This chapter generally provides for reorganization, usually involving a corporation or partnership. A chapter 11 debtor usually proposes a plan of reorganization to keep its business alive and pay creditors over time. People in business or individuals can also seek relief in chapter 11.
- **13: Chapter 13.** This chapter provides for debt adjustment of an individual with regular income. Chapter 13 allows a debtor to keep property and pay debts over time, usually three to five years.
- **15: Chapter 15.** This chapter includes ancillary and other cross-border cases. It replaces Chapter 304.
- **304: Chapter 304.** This was replaced by Chapter 15 in 1997.

Appendix C: Civil Nature of Suits

110 Insurance
120 Contract: Marine
130 Miller Act
140 Negotiable Instrument
150 Contract: Recovery/Enforcement
151 Contract: Recovery Medicare
152 Contract: Recovery Student Loan
153 Contract: Recovery Veteran Benefits
160 Stockholders Suits
190 Contract: Other
195 Contract Product Liability
196 Contract: Franchise
210 Condemnation
220 Real Property: Foreclosure
230 Rent Lease & Ejectment
240 Torts to Land
245 Tort Product Liability
290 Real Property: Other
310 Airplane
315 Airplane Product Liability
320 Assault Libel & Slander
330 Federal Employer's Liability
340 Marine
345 Marine Product Liability
350 Motor Vehicle
355 Motor Vehicle Product Liability
360 P.I.: Other
362 Personal Injury Medical Malpractice
365 Personal Injury Product Liability
367 TORTS - Personal Injury - Health Care/Pharmaceutical Personal Injury/Product
Liability
368 P.I. : Asbestos
370 Fraud or Truth-In-Lending
371 Truth in Lending
375 False Claims Act
380 Personal Property: Other
385 Prop. Damage Prod. Liability
400 State Reapportionment
410 Anti-Trust
422 Bankruptcy Appeal (801)
423 Bankruptcy Withdrawl
430 Banks and Banking
440 Civil Rights: Other

441 Civil Rights: Voting
442 Civil Rights: Jobs
443 Civil Rights: Accomodations
444 Civil Rights: Welfare
445 Civil Rights: Americans with Disabilities - Employment
446 Civil Rights: Americans with Disabilities - Other
448 Civil Rights: Education
450 Commerce ICC Rates, Etc.
460 Deportation
462 Naturalization Application
463 Habeas Corpus - Alien Detainee
465 Other Immigration Actions
470 Racketeer/Corrupt Organization
480 Consumer Credit
490 Cable/Satellite TV
510 Prisoner: Vacate Sentence
530 Habeas Corpus (General)
535 Death Penalty - Habeas Corpus
540 Mandamus & Other
550 Prisoner: Civil Rights
555 Habeas Corpus (Prison Condition)
560 Prisoner Petitions - Civil Detainee - Conditions of Confinement
610 Forfeit/Penalty: Agriculture
620 Forfeit/Penalty: Food and Drug
625 Drug Related Seizure of Property
630 Forfeit/Penalty: Liquor Laws
640 Forfeit/Penalty: R.R. & Truck
650 Forfeit/Penalty: Airline Regulations
660 Forfeit/Penalty: Occupational Safety
690 Forfeit/Penalty: Other
710 Labor: Fair Standards
720 Labor: Labor/Management Relations
730 Labor: Reporting/Disclosure
740 Labor: Railway Labor Act
751 Labor: Family and Medical Leave Act
790 Labor: Other
791 Labor: E.R.I.S.A.
810 Selective Service
820 Copyright
830 Patent
840 Trademark
850 Securities/Commodities
861 Social Security: HIA
862 Social Security: Black Lung

863 Social Security: DIWC/DIWW
864 Social Security: SSID Tit. XVI
865 Social Security: RSI Tax Suits
870 Taxes
871 Tax Suits: IRS-Third Party
875 Taxes: Customer Challenge
890 Other Statutory Actions
891 Agriculture Acts
892 Economic Stabilization Act
893 Environmental Matters
894 Energy Allocation Act
895 Freedom of Information Act
896 Other Statues - Arbitration
899 Other Statues - Administrative Procedure Act/Review or Appeal of Agency Decision
900 Appeal of Fee Determination
950 Constitutional - State Statute
Other Nature of Suit

Appendix D: Appellate Nature of Suits

1110 Insurance
1120 Marine Contract Actions
1130 Miller Act
1140 Negotiable Instruments
1150 Overpayments & Enforc. of Judgments
1151 Overpayments Under Medicare Act
1152 Recovery of Defaulted Student Loans
1153 Recovery of Ovrpmnts of Vet Benefit
1190 Other Contract Actions
1195 Contract Product Liability
1196 Franchise
1210 Land Condemnation
1220 Foreclosure
1230 Rent, Lease, Ejectment
1240 Torts To Land
1245 Tort Product Liability
1290 Other Real Property Actions
1340 Marine Personal Injury
1350 Motor Vehicle
1360 Other Personal Injury
1370 Other Fraud
1371 Truth in Lending
1380 Other Personal Property Damage
1385 Property Damage - Product Liability
1410 Antitrust
1422 Bankruptcy Appeals Rule 28 USC 158
1423 Bankruptcy Withdraw 28 USC 157
1430 Banks and Banking
1440 Other Civil Rights
1441 Civil Rights Voting
1442 Civil Rights Jobs
1443 Civil Rights Accommodations
1444 Civil Rights Welfare
1445 American w/Disab.Act-Empl
1446 Americans w/Disab Act - Other
1450 Interstate Commerce
1470 Civil (RICO)
1480 Consumer Credit
1490 Cable Satellite/TV
1610 Agricultural Acts
1620 Food and Drugs Acts
1625 Drug Related Seizure of Property
1630 Liquor Laws

1640 Railroad and Trucks
1650 Airline Regulations
1660 Occupational Safety/Health
1690 Other Forfeiture and Penalty Suits
1710 Fair Labor Standards Act
1720 Labor/Management Relations Act
1730 Report & Disclosure
1740 Railway Labor Act
1790 Other Labor Litigation
1791 Employee Retirement
1830 Patent
1840 Trademark
1850 Securities, Commodities, Exchange
1862 Black Lung
1863 D.I.W.C./D.I.W.W.
1870 Tax Suits
1871 IRS 3rd Party Suits 26 USC 7609
1890 Other Statutory Actions
1891 Agricultural Acts
1892 Economic Stabilization Act
1893 Environmental Matters
1950 Constitutionality of State Statutes
1990 Other
1999 Miscellaneous
2110 Insurance
2120 Marine Contract Actions
2130 Miller Act
2140 Negotiable Instruments
2150 Ovrpmnts & Enforcement of Judgments
2151 Overpayments Under Medicare Act
2152 Recovery of Defaulted Student Loans
2153 Recovery Overpayment Vet Benefits
2190 Other Contract Actions
2195 Contract Product Liability
2196 Franchise
2210 Land Condemnation
2220 Foreclosure
2230 Rent, Lease, Ejectment
2240 Torts to Land
2245 Tort Product Liability
2290 Other Real Property Actions
2310 Airplane Personal Injury
2315 Airplane Product Liability
2320 Assault, Libel, and Slander

2330 Federal Employers' Liability
2340 Marine Personal Injury
2345 Marine - Product Liability
2350 Motor Vehicle
2355 Motor Vehicle Product Liability
2360 Other Personal Injury
2362 Medical Malpractice
2365 Personal Injury - Product Liability
2368 Asbestos Personal Injury-Product Liability
2370 Other Fraud
2371 Truth in Lending
2380 Other Personal Property Damage
2385 Property Damage-Product Liability
2410 Antitrust
2422 Bankruptcy Appeals Rule 28 USC 158
2423 Bankruptcy Withdrawal 28 USC 157
2430 Banks and Banking
2440 Other Civil Rights
2441 Civil Rights Voting
2442 Civil Rights Jobs
2443 Civil Rights Accommodations
2444 Civil Rights Welfare
2445 Americans w/Disab.Act-Empl
2446 Americans w/Disab Act - Other
2450 Interstate Commerce
2460 Deportation
2462 Naturalization Application
2463 Habeas Corpus- Alien Detainee
2465 Other Immigration Actions
2480 Consumer Credit
2490 Cable Satellite/TV
2510 Prisoner Petitions - Vacate Sentence
2530 Habeas Corpus
2535 Habeas Corpus: Death Penalty
2540 Prisoner Petitions - Mandamus & Other
2550 Prisoner - Civil Rights
2555 Prison Condition
2610 Agricultural Acts
2620 Food and Drug Acts
2625 Drug Related Seizure of Property
2630 Liquor Laws
2640 Railroad and Trucks
2650 Airline Regulations
2660 Occupational Safety/Health

2690 Other Forfeiture and Penalty Suits
2710 Fair Labor Standards Act
2720 Labor Management Relations Act
2730 Labor/Management Rept & Disclsure
2740 Railway Labor Act
2790 Other Labor Litigation
2791 Employee Retirement
2810 Selective Service
2830 Patent
2850 Securities, Commodities, Exch.
2860 Social Security
2861 Medicare
2862 Black Lung
2863 D.I.W.C./D.I.W.W.
2864 S.S.I.D.
2865 R.S.I.
2870 Tax Suits
2871 IRS 3rd Party Suits 26 USC 7609
2875 Customer Challenge 12 USC 3410
2890 Other Statutory Actions
2891 Agricultural Acts
2892 Economic Stabilization Act
2893 Environmental Matters
2894 Energy Allocation Act
2895 Freedom of Information Act of 1974
2900 Appeal of Fee -Equal Access Justice
2950 Constitutionality of State Statutes
2990 Other
2999 Miscellaneous
3110 Insurance
3120 Marine Contract Actions
3130 Miller Act
3140 Negotiable Instruments
3150 Recovery of Overpayment of Benefits
3151 Overpayments Under Medicare Act
3160 Stockholders' Suits
3190 Other Contract Actions
3196 Franchise
3210 Land Condemnation
3220 Foreclosure
3230 Rent, Lease, Ejectment
3240 Torts to Land
3245 Tort Product Liability
3290 Other Real Property Actions

3310 Airplane Personal Injury
3315 Airplane Product Liability
3320 Assault, Libel, and Slander
3330 Federal Employers' Liability
3340 Marine Personal Injury
3345 Marine - Product Liability
3350 Motor Vehicle Personal Injury
3355 Motor Vehicle Product Liability
3360 Other Personal Injury
3365 Personal Injury - Product Liability
3368 Asbestos Personal Injury - Product Liability
3370 Other Fraud
3371 Truth In Lending
3380 Other Personal Property Damage
3385 Property Damage - Product Liability
3400 State Re-Apportionment
3410 Antitrust
3422 Bankruptcy Appeals Rule 28 USC 158
3423 Bankruptcy Withdrawal 28 USC 157
3430 Banks and Banking
3440 Other Civil Rights
3441 Civil Rights Voting
3442 Civil Rights Jobs
3443 Civil Rights Accommodations
3444 Civil Rights Welfare
3445 Americans with Disabilities Act - Empl
3446 Americans with Disabilities Act - Other
3450 Interstate Commerce
3460 Deportation
3470 Civil (RICO)
3480 Consumer Credit
3490 Cable Satellite/TV
3530 Habeas Corpus
3535 Habeas Corpus: Death Penalty
3540 Prisoner Petitions-Mandamus & Other
3550 Prisoner - Civil Rights
3555 Prison Condition
3710 Fair Labor Standards Act
3720 Labor/Management Relations Act
3730 Report & Disclosure
3740 Railway Labor Act
3790 Other Labor Litigation
3791 Employee Retirement
3810 Selective Service

3820 Copyright
3830 Patent
3840 Trademark
3850 Securities, Commodities, Exch.
3890 Other Statutory Actions
3891 Agricultural Acts
3892 Economic Stabilization Act
3893 Environmental Matters
3894 Energy Allocation Act
3895 Freedom of Information Act of 1974
3950 Constitutionality of State Statutes
3990 Other
3999 Miscellaneous
4110 Insurance
4120 Marine Contract Actions
4140 Negotiable Instruments
4150 Overpayments & Enforcement of Judgments
4160 Stockholders Suits
4190 Other Contract Actions
4195 Contract Product Liability
4196 Franchise
4210 Land Condemnation
4220 Foreclosure
4230 Rent, Lease, Ejectment
4240 Torts to Land
4245 Tort Product Liability
4290 Other Real Property Actions
4310 Airplane Personal Injury
4315 Airplane Product Liability
4320 Assault, Libel, and Slander
4340 Marine Personal Injury
4345 Marine - Product Liability
4350 Motor Vehicle Personal Injury
4355 Motor Vehicle Product Liability
4360 Other Personal Injury
4362 Medical Malpractice
4365 Personal Injury - Product Liability
4368 Asbestos Personal Injury - Product Liability
4370 Other Fraud
4371 Truth in Lending
4380 Other Personal Property Damage
4385 Property Damage - Product Liability
4440 Other Civil Rights
4441 Civil Rights Voting

4442 Civil Rights Jobs
4443 Civil Rights Accommodations
4444 Civil Rights Welfare
4445 Americans with Disabilities Act - Empl
4446 Americans with Disabilities Act - Other
4470 Civil (RICO)
4480 Consumer Credit
4490 Cable Satellite/TV
4555 Prisoner- Prison Condition
4990 Other
4999 Miscellaneous
5535 Habeas Corpus: Death Penalty
5990 Other
5992 Local Jurisdictional Appeal
4950 Constitutionality of State Statutes
1894 Energy Allocation Act
Other Nature of Suit

Appendix E: Search Regions in Production

Valid search regions vary by environment. The following tables show the regions in Production.

NOTE: For a current list of courts in QA, please visit:
https://qa-pcl.uscourts.gov/pcl/pages/courtInformation.jsf

Search Regions in Production

Region Code	Region Name
01	First Circuit
02	Second Circuit
03	Third Circuit
04	Fourth Circuit
05	Fifth Circuit
06	Sixth Circuit
07	Seventh Circuit
08	Eighth Circuit
09	Ninth Circuit
10	Tenth Circuit
11	Eleventh Circuit
cafc	Federal Circuit
dcca	D.C. Circuit
al	Alabama
alm	Alabama Middle
aln	Alabama Northern
als	Alabama Southern
ak	Alaska
az	Arizona
ar	Arkansas
are	Arkansas Eastern
arw	Arkansas Western
ca	California
cac	California Central
cae	California Eastern
can	California Northern
cas	California Southern
cofc	Federal Claims
co	Colorado
ct	Connecticut
dc	District of Columbia
de	Delaware
fl	Florida
flm	Florida Middle
fln	Florida Northern
fls	Florida Southern

ga	Georgia
gam	Georgia Middle
gan	Georgia Northern
gas	Georgia Southern
gu	Guam
hi	Hawaii
id	Idaho
il	Illinois
ilc	Illinois Central
iln	Illinois Northern
ils	Illinois Southern
in	Indiana
inn	Indiana Northern
ins	Indiana Southern
ia	Iowa
ian	Iowa Northern
ias	Iowa Southern
ks	Kansas
ky	Kentucky
kye	Kentucky Eastern
kyw	Kentucky Western
la	Louisiana
lae	Louisiana Eastern
lam	Louisiana Middle
law	Louisiana Western
me	Maine
md	Maryland
ma	Massachusetts
mi	Michigan
mie	Michigan Eastern
miw	Michigan Western
mn	Minnesota
ms	Mississippi
msn	Mississippi Northern
mss	Mississippi Southern
mo	Missouri
moe	Missouri Eastern
mow	Missouri Western
mt	Montana
ne	Nebraska
nv	Nevada
nh	New Hampshire
nj	New Jersey
nm	New Mexico
ny	New York
nye	New York Eastern

nyn	New York Northern
nys	New York Southern
nyw	New York Western
nc	North Carolina
nce	North Carolina Eastern
ncm	North Carolina Middle
ncw	North Carolina Western
nd	North Dakota
nmi	Northern Mariana Islands
oh	Ohio
ohn	Ohio Northern
ohs	Ohio Southern
ok	Oklahoma
oke	Oklahoma Eastern
okn	Oklahoma Northern
okw	Oklahoma Western
or	Oregon
pa	Pennsylvania
pae	Pennsylvania Eastern
pam	Pennsylvania Middle
paw	Pennsylvania Western
pr	Puerto Rico
ri	Rhode Island
sc	South Carolina
sd	South Dakota
tn	Tennessee
tne	Tennessee Eastern
tnm	Tennessee Middle
tnw	Tennessee Western
tx	Texas
txe	Texas Eastern
txn	Texas Northern
txs	Texas Southern
txw	Texas Western
ut	Utah
vt	Vermont
vi	Virgin Islands
va	Virginia
vae	Virginia Eastern
vaw	Virginia Western
wa	Washington
wae	Washington Eastern
waw	Washington Western
wv	West Virginia
wvn	West Virginia Northern
wvs	West Virginia Southern

wi	Wisconsin
wie	Wisconsin Eastern
wiw	Wisconsin Western
wy	Wyoming

Appendix F: Case Types

Case type codes are created and assigned by individual courts. This list includes the most commonly used case type codes. These codes are not defined by the PACER Service Center, as their meanings can vary from court to court.

1453c	bkp	dcrim	ml	po	tp
158d	cafc	dm	mp	pr	usc
2255	civil	dp	mr	prici	usp
23f	cm	dpw	ms	prsw	vv
ag	cr	hc	msop	prswo	xc
agen	crim	hc.st	mv	prus	
agpet	ct	img	ncrim	pt	
ap	cv	ins	ohndca	r5.dc	
bail	cv.pr	mand	op	rj	
bap	cv.us	mc	opus	rvw	
bk	cvpri	md	other	rvw.i	
bkcy	cvrgt	misc	pcd	stp	
bkd	cvus	mj	pcf	tax	

Appendix G: Response Codes

For the REST services, response codes are defined by the Java Enterprise Edition (EE) 7 specification.

Errors handled by the server can use any of the following codes:
https://docs.oracle.com/javaee/7/api/javax/ws/rs/core/Response.Status.html

For the application, these response codes are used for the following conditions:

- 200 Ok: The request has succeeded. The meaning of the success depends on the HTTP method.
  - GET: The resource has been fetched and is transmitted in the message body.
  - HEAD: The entity headers are in the message body.
  - PUT or POST: The resource describing the result of the action is transmitted in the message body.
- 204 No Content: There is no content to send for this request, but the headers may be useful. The user-agent may update its cached headers for this resource with the new ones.
- 400 Bad Request: HttpStatus.BAD_REQUEST
  400 Invalid Argument: HttpStatus.BAD_REQUEST
  400 Report Running Exception: HttpStatus.BAD_REQUEST
  400 Stopped Exception: HttpStatus.BAD_REQUEST
  The server could not understand the request due to invalid syntax.
- 401 Unauthorized user: HttpStatus.UNAUTHORIZED
  Although the HTTP standard specifies "unauthorized," semantically this response means "unauthenticated." That is, the client must authenticate itself to get the requested response.
- 404 Report Not Found: HttpStatus.NOT_FOUND
  The server cannot find the requested resource. In the browser, this means the URL is not recognized. In an API, this can also mean that the endpoint is valid but the resource itself does not exist. Servers may also send this response instead of 403 to hide the existence of a resource from an unauthorized client. This response code is probably the most famous one due to its frequent occurrence on the web.
- 406 Validation Exception: HttpStatus.NOT_ACCEPTABLE
  This response is sent when the web server, after performing server-driven content negotiation, does not find any content that conforms to the criteria given by the user agent.
- 429 Too Many Reports Running: HttpStatus.TOO_MANY_REQUESTS
  The user has sent too many requests in a given amount of time ("rate limiting").
- 500 Report failed: HttpStatus.INTERNAL_SERVER_ERROR
  500 All Other Exceptions: HttpStatus.INTERNAL_SERVER_ERROR
  The server has encountered a situation it does not know how to handle.