

# Video Explore Web API Reference

Version 1.3.2

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# **Table of Contents**

Overview	3
Retrieving Audio-Visual Work Metadata	
AV_WORK_SEARCH	3
AV_WORK_FETCH	5
Fetching Multiple AV Work Images	
General AV Work Response	
Searching and Fetching Series	11
SERIES_SEARCH	11
SERIES_FETCH	16
General Series Response	17
Retrieving Series Link Data (XIDs)	18
Fetching Seasons	20
SEASON_FETCH	20
Retrieving Season Link Data (XIDs)	22
Retrieving Contributor Metadata	24
CONTRIBUTOR_SEARCH	25
CONTRIBUTOR_FETCH	26
General Contributor Response	27
Retrieving Contributor Link Data (XIDs)	30

# **Overview**

This document describes how to use the Gracenote Video Explore web API to retrieve and navigate video content from the online Gracenote Media Recognition Service.

# **Retrieving Audio-Visual Work Metadata**

The queries and responses described in this section are used to retrieve metadata for audio-visual works:

- AV\_WORK\_SEARCH looks up works based on a specified text search string.
- AV\_WORK\_FETCH retrieves metadata for a work designated by its Gracenote identifier.

# AV\_WORK\_SEARCH

The AV\_WORK\_SEARCH query looks up and returns metadata for audio-visual works, based on a specified text search string.

Parameters	Description
MODE	Optional. If set to SINGLE_BEST, the query will return at most one response, representing the single best available match to the specified text string. If this element is omitted, multiple matching responses may be returned, ordered by the ORD attribute. The application can then present these to the user for interactive match resolution, followed by an AV_WORK_FETCH query to retrieve metadata for the single selected match.
TEXT	Specifies the text to look up. The only supported TYPE attribute is TITLE. Required for specific text lookups. Can be optional for FILTER searches if doing a general lookup of a filter type.

### **FILTER**

Optional. Enables search filtering based on a TYPE attribute.

### **Filter Modes**

- INCLUDE: Includes the filtered type in the results.
- EXCLUDE: Excludes the filtered type from the results.

### Filter Types

These filter names (and ID values) are the same as the VIDEOPROPERTIES values returned by AV\_WORK\_FETCH (see page 5 ) with SELECT\_EXTENDED=VIDEOPROPERTIES.

- VIDEOAUDIENCE
- VIDEOMOOD
- VIDEOSTORYTYPE
- VIDEOREPUTATION
- VIDEOSCENARIO
- VIDEOSETTINGENVIRONMENT
- VIDEOSETTINGPERIOD
- VIDEOSOURCE
- VIDEOSTYLE
- VIDEOTOPIC



- You can find filter IDs on other AV Works. For example, if you get an AV\_WORK containing the VIDEOSETTINGENVIRONMENT property with a value of school, you can pass that ID to an INCLUDE-mode VIDEOSETTINGENVIRONMENT filter to get other school movies.
- When filtering without a TEXT parameter, search performs a general lookup based on the filter TYPE(s). For this query:
  - You must provide at least one INCLUDE-mode filter.
  - You can optionally provide an EXCLUDE-mode filter. For example, you can INCLUDE Action and EXCLUDE Vampire to get non-vampire action movies.

### **SELECT\_EXTENDED Options**

Option Name	Valid For	Description
IMAGE	All	Returns AV_WORK's image URL
VIDEODISCSET	SINGLE_BEST mode only	Embeds VIDEODISCSET link into AV_WORK
VIDEODISCSET_COVERART	SINGLE_BEST mode only	Returns cover art URL to VIDEODISCSET
VIDEODISCSET_LINK	SINGLE_BEST mode only	Returns product purchase URL link to VIDEODISCSET
CONTRIBUTOR_IMAGE	SINGLE_BEST mode only	Embeds Contributor image URL link into AV_WORK
LINK	SINGLE_BEST mode only	Returns 3rd party IDs (such as the Trailer ID)

### **Example Query**

The example below shows requests for all of these extended data types. In practice, client applications can conserve bandwidth and improve performance by omitting unneeded ones from the SELECT\_EXTENDED option or by omitting the option entirely.

```
<QUERIES>
  <QUERY CMD="AV_WORK_SEARCH">
   <MODE>SINGLE_BEST</MODE>
   <TEXT TYPE="TITLE">The Dark Knight</TEXT>
   <OPTION>
        <PARAMETER>SELECT_EXTENDED</PARAMETER>
        <VALUE>IMAGE, CONTRIBUTOR_IMAGE, VIDEODISCSET, VIDEODISCSET_COVERART, LINK, VIDEODISCSET, LINK</VALUE>
        </OPTION>
        </QUERY>
        </QUERIES>
```

### **Example Query for Search Filtering**

## AV\_WORK\_FETCH

The AV\_WORK\_FETCH query returns metadata for an audio-visual work designated by its Gracenote identifier. This is useful for navigating to the work from another associated entity (such as a video disc set or a contributor) that has included its Gracenote identifier as part of another query response.

Parameters	Description	
GN_ID	Required.The Gracenote identifier of the work to retrieve.	

### **SELECT\_EXTENDED Options**

Option Name	Description
IMAGE	Returns AV_WORK's image URL
VIDEODISCSET	Embeds VIDEODISCSET link into AV_WORK
VIDEODISCSET_COVERART	Returns cover art URL to VIDEODISCSET
VIDEODISCSET_LINK	Returns product purchase URL link to VIDEODISCSET

VIDEOPROPERTIES	Enables the return of these video property values. These VIDEOPROPERTIES values are the same as the filter names (and ID values) used for 1.3.2 (see page 3)with a VIDEOPROPERTIES parameter:  • VIDEOAUDIENCE • VIDEOMOOD • VIDEOSTORYTYPE • VIDEOREPUTATION • VIDEOSCENARIO • VIDEOSCENARIO • VIDEOSETTINGENVIRONMENT • VIDEOSETTINGPERIOD • VIDEOSOURCE • VIDEOSTYLE
CONTRIBUTOR IMAGE	VIDEOTOPIC  Embeds Contributor image URL link into AV_WORK
LINK	Returns 3rd party IDs (such as the Trailer ID)

### **Example query**

The example below shows requests for all of these extended data types. In practice, client applications can conserve bandwidth and improve performance by omitting unneeded ones from the SELECT\_EXTENDED option or by omitting the option entirely.

### **Example response**

This is an example response for a Video fetch using SELECT\_EXTENDED=VIDEOPROPERTIES. VIDEOSTYLE is not shown.

```
<RESPONSES>
<RESPONSE STATUS="OK">
  <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>Mean Girls</TITLE>
     <DATE TYPE="ORIGINALRELEASE">2004-04-10
     <DURATION UNITS="SEC">5760</DURATION>
        <SYSTEM>MPAA (USA)</SYSTEM>
        <CODE>PG-13</CODE>
        <REASON>Sexual Content, Language</REASON>
     <PRODUCTION_TYPE ID="16635">Motion Picture</PRODUCTION_TYPE>
     <GENRE ID="33756">Comedy</GENRE>
     <GENRE ID="33758">Drama</GENRE>
     <VIDEOAUDIENCE ID="61202">Youth</VIDEOAUDIENCE>
     <VIDEOAUDIENCE ID="61203">Teen
     <VIDEOAUDIENCE ID="61216">Female/VIDEOAUDIENCE>
     <VIDEOMOOD ID="61038">Sassy</VIDEOMOOD>
     <VIDEOMOOD ID="61048">Witty</VIDEOMOOD>
     <VIDEOSTORYTYPE ID="60746">Self-Discovery</VIDEOSTORYTYPE>
     <VIDEOREPUTATION ID="61189">Critical Darling</VIDEOREPUTATION>
     <VIDEOREPUTATION ID="61193">Cult</VIDEOREPUTATION>
     <VIDEOSCENARIO ID="61061">Showdown</VIDEOSCENARIO>
     <VIDEOSCENARIO ID="61085">Fighting the System</VIDEOSCENARIO>
     <VIDEOSETTINGENVIRONMENT ID="60817">School</VIDEOSETTINGENVIRONMENT>
     <VIDEOSETTINGPERIOD ID="23736">2004</VIDEOSETTINGPERIOD>
     <VIDEOSOURCE ID="61856">Original Screenplay</VIDEOSOURCE>
     <VIDEOTOPIC ID="61490">Teen Angst</VIDEOTOPIC>
     <SYNOPSIS>Satirical survival-of-the-fittest teen comedy...</SYNOPSIS>
     <CONTRIBUTOR RANK="1">
        <NAME>Lindsay Lohan</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="15942">Actor/CONTRIBUTION_TYPE>
           <CHARACTER>Cady Heron</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
  </AV WORK>
</RESPONSE>
</RESPONSES>
```

# **Fetching Multiple AV Work Images**

Using the multiple images option, client applications can present additional images for an AV Work.

To retrieve multiple images for an AV Work, use either AV\_WORK\_FETCH or AV\_WORK\_SEARCH in SINGLE\_BEST mode. In the query, include a SELECT\_EXTENDED value of IMAGE\_GALLERY. This option returns an unordered list of URLs for all available images.



Client applications must be entitled to use the multiple images feature. See your Gracenote Professional Services representative for more information.

### **Example Query**

```
<QUERIES>
        <AUTH>
                <CLIENT>client_id_string</CLIENT>
                <USER>user_id_string</USER>
        </AUTH>
        <LANG>ger</LANG>
        <QUERY CMD="AV_WORK_FETCH">
                <!-- The Dark Knight -->
                <GN_ID>a_gracenote_id</GN_ID>
                <OPTION>
                        <PARAMETER>SELECT_EXTENDED/PARAMETER>
                        <VALUE>IMAGE, CONTRIBUTOR_IMAGE, IMAGE_GALLERY</VALUE>
                </OPTION>
        </QUERY>
</QUERIES>
```

### **Example Response**

```
<RESPONSES>
<RESPONSE STATUS="OK">
  <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>The Dark Knight</TITLE>
     <DATE TYPE="ORIGINALRELEASE">2008-08-13
     <DURATION UNITS="SEC">9120</DURATION>
     <RATING>
        <SYSTEM>MPAA (USA)</SYSTEM>
        <CODE>PG-13</CODE>
        <REASON>Some Menace, Intense Sequences of Violence</REASON>
     </RATING>
     <RATING>
        <SYSTEM>BBFC (UK)</SYSTEM>
        <CODE>12A</CODE>
        <REASON>Moderate Violence, Sustained Threat/REASON>
     </RATING>
     <PRODUCTION_TYPE ID="16635">Motion Picture/PRODUCTION_TYPE>
     <GENRE ID="33752">Action/Adventure</GENRE>
     <GENRE ID="33761">Mystery & amp; Suspense</GENRE>
     <GENRE ID="33758">Drama</GENRE>
     <SYNOPSIS>a_synopsis</SYNOPSIS>
     <CONTRIBUTOR RANK="1">
        <NAME>Christian Bale</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
```

```
<CHARACTER>Bruce Wayne</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="2">
        <NAME>Heath Ledger</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>The Joker</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="2">
        <NAME>Michael Caine</NAME>
        <GN ID>a gracenote id</GN ID>
        <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Alfred Pennyworth</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
     <URL TYPE="IMAGE_GALLERY" SIZE="MEDIUM">a_temporary_url
     <URL TYPE="IMAGE_GALLERY" SIZE="MEDIUM">a_temporary_url
     <URL TYPE="IMAGE_GALLERY" SIZE="MEDIUM">a_temporary_url
     <URL TYPE="IMAGE_GALLERY" SIZE="MEDIUM">a_temporary_url
  </AV WORK>
</RESPONSE>
</RESPONSES>
```

# **General AV Work Response**

When an AV\_WORK\_SEARCH or AV\_WORK\_FETCH query succeeds in finding a match to the specified search string or Gracenote identifier, it will return a response with the STATUS attribute OK and an <AV\_WORK> child element containing metadata for the matched work. If no match satisfying the query is found, the <RESPONSE> element will be empty with a STATUS attribute of NO\_MATCH. If the query fails because of an error, the STATUS attribute will be ERROR and a <MESSAGE> element will be included describing the nature of the error.

If an AV\_WORK\_SEARCH query does not specify SINGLE\_BEST mode, a successful response may contain more than one <AV\_WORK> element, ordered by an ORD attribute. As noted in , the only extended data type available for an AV\_WORK\_SEARCH query in this case is IMAGE.

The <AV\_WORK> element contains metadata elements describing the work, such as (in the example) its Gracenote identifier, title, release date, duration, rating, production type, genre, and synopsis. This is followed by a separate <CONTRIBUTOR> element for each contributor associated with the work. If the original query requested the SELECT\_EXTENDED option VIDEODISCSET, there will be one or more <VIDEODISCSET> elements describing associated disc set products.

If the IMAGE, CONTRIBUTOR\_IMAGE, and VIDEODISCSET\_COVERART options have been specified, image data will be included (if available) in the form of <URL> elements at the <AV\_WORK>, <CONTRIBUTOR>, and <VIDEODISCSET> levels, respectively.

Link data, if requested by the LINK and VIDEODISCSET\_LINK options, will be provided in <XID> ("external identifier") elements at the <AV WORK> and <VIDEODISCSET> levels.

### Example Response of AV\_WORK\_SEARCH

```
<RESPONSE STATUS="OK">
 <AV WORK>
   <GN_ID>a_gracenote_id</GN_ID>
   <TITLE>The Dark Knight</TITLE>
   <DATE TYPE="ORIGINALRELEASE">2008</pate>
   <DURATION UNITS="SEC">86820</DURATION>
   <RATING>
     <SYSTEM>MPAA</SYSTEM>
     <CODE>PG-13</CODE>
     <REASON>Intense sequences of violence and some menace</REASON>
   </RATING>
   <PRODUCTION_TYPE ID="16635">Motion Picture/PRODUCTION_TYPE>
   <GENRE RANK="1" ID="33507">Action</GENRE>
   <GENRE RANK="5" ID="33515">Superhero</GENRE>
    <GENRE RANK="3" ID="33598">Drama</GENRE>
   <GENRE RANK="2" ID="33657">Crime</GENRE>
   <GENRE RANK="4" ID="33664">Thriller</GENRE>
   <TITLE>Batman</TITLE>
   <SYNOPSIS>a_synopsis</SYNOPSIS>
   <CONTRIBUTOR RANK="1">
     <NAME>Christian Bale</NAME>
     <GN_ID>a_gracenote_id</GN_ID>
     <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
     <CONTRIBUTION>
       <CONTRIBUTION TYPE ID="a gracenote id">Actor</CONTRIBUTION TYPE>
       <CHARACTER>Bruce Wayne/Batman</CHARACTER>
     </CONTRIBUTION>
   </CONTRIBUTOR>
   <CONTRIBUTOR RANK="2">
     <NAME>Michael Caine</NAME>
     <GN_ID>a_gracenote_id</GN_ID>
     <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
     <CONTRIBUTION>
       <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
       <CHARACTER>Alfred Pennyworth</CHARACTER>
     </CONTRIBUTION>
   </CONTRIBUTOR>
    <CONTRIBUTOR RANK="3">
     <NAME>Heath Ledger</NAME>
     <GN ID>a gracenote id</GN ID>
     <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
     <CONTRIBUTION>
       <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
       <CHARACTER>The Joker</CHARACTER>
     </CONTRIBUTION>
   </CONTRIBUTOR>
```

```
<VIDEODISCSET>
     <GN_ID>a_gracenote_id</GN_ID>
     <URL TYPE="COVERART" SIZE="MEDIUM">a_temporary_url
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
   </VIDEODISCSET>
   <VIDEODISCSET>
     <GN_ID>a_gracenote_id</GN_ID>
     <URL TYPE="COVERART" SIZE="MEDIUM">a_temporary_url/URL>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
   </VIDEODISCSET>
   <VIDEODISCSET>
     <GN_ID>a_gracenote_id</GN_ID>
     <URL TYPE="COVERART" SIZE="MEDIUM">a_temporary_url</URL>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
   </VIDEODISCSET>
   <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
   <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
 </AV_WORK>
</RESPONSE>
```

# **Searching and Fetching Series**

The queries and responses described in this section are used to retrieve metadata for series:

- SERIES\_SEARCH looks up works based on a specified text search string.
- SERIES\_FETCH retrieves metadata for a work designated by its Gracenote identifier.

# **SERIES SEARCH**

The SERIES\_SEARCH query looks up and returns metadata for series, based on a specified text search string.

Parameters	Description
MODE	Optional. If set to SINGLE_BEST, the query will return at most one response, representing the single best available match to the specified text string. If this element is omitted, multiple matching responses may be returned, ordered by the ORD attribute. The application can then present these to the user for interactive match resolution, followed by a SERIES_FETCH query to retrieve metadata for the single selected match.
TEXT	Required. Specifies the text to look up. As of version 1.0, the only supported TYPE attribute is TITLE.
OPTION	Optional. Options modifying the behavior of the query. For the SERIES_SEARCH query, the only PARAMETER value supported is SELECT_EXTENDED.

### SELECT\_EXTENDED Options

Option Name	Valid For	Description
IMAGE	All	Returns SERIES image URL
CONTRIBUTOR_IMAGE	SINGLE_BEST mode only	Returns Contributor image URLs

### **Example Query**

The example below shows requests for all of these extended data types. In practice, client applications can conserve bandwidth and improve performance by omitting unneeded ones from the SELECT\_EXTENDED option or by omitting the option entirely.

```
<QUERY CMD="SERIES_SEARCH">
  <MODE>SINGLE_BEST</MODE>
  <TEXT TYPE="TITLE">30 Rock</TEXT>
  <OPTION>
   <PARAMETER>SELECT_EXTENDED</PARAMETER>
  <VALUE>IMAGE</VALUE>
  </OPTION>
  </QUERY>
```

### **Example Response**

```
<RESPONSES>
<RESPONSE STATUS="OK">
  <SERIES>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>30 Rock</TITLE>
     <DATE TYPE="ORIGINALRELEASE">2006-10-11
     <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
     <GENRE ID="33756">Comedy</GENRE>
     <SYNOPSIS>a_synopsis</SYNOPSIS>
     <CONTRIBUTOR RANK="1">
        <NAME>Tina Fev</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Liz Lemon</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="2">
        <NAME>Alec Baldwin</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Jack Donaghy</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="3">
        <NAME>Tracy Morgan</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Tracy Jordan</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="4">
        <NAME>Jane Krakowski</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
```

```
<CHARACTER>Jenna Maroney</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="5">
         <NAME>Jack McBrayer</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Kenneth Parcell</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="6">
         <NAME>Scott Adsit</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Pete Hornberger</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="7">
         <NAME>Judah Friedlander</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Frank Rossitano</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="8">
         <NAME>Keith Powell</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Toofer</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="1">
         <NAME>Tina Fey</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Executive
Producer</CONTRIBUTION_TYPE>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="2">
         <NAME>Lorne Michaels</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Executive
Producer</CONTRIBUTION_TYPE>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <SEASON>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>Season 1</TITLE>
         <SEASON_NUM>1</SEASON_NUM>
      </SEASON>
      <SEASON>
```

```
<GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 2</TITLE>
        <SEASON_NUM>2</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 3</TITLE>
        <SEASON_NUM>3</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 4</TITLE>
        <SEASON_NUM>4</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 5</TITLE>
        <SEASON_NUM>5</SEASON_NUM>
      <URL TYPE="IMAGE" SIZE="MEDIUM"> a_temporary_url
  </SERIES>
 </RESPONSE>
</RESPONSES>
```

### **Example Response**

```
<RESPONSES>
<RESPONSE STATUS="OK">
  <SERIES>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>30 Rock</TITLE>
     <DATE TYPE="ORIGINALRELEASE">2006-10-11
     <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
     <GENRE ID="33756">Comedy</GENRE>
     <SYNOPSIS>a_synopsis</SYNOPSIS>
     <CONTRIBUTOR RANK="1">
        <NAME>Tina Fey</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Liz Lemon</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="2">
        <NAME>Alec Baldwin</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Jack Donaghy</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="3">
        <NAME>Tracy Morgan</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
```

```
<CHARACTER>Tracy Jordan</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="4">
         <NAME>Jane Krakowski</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Jenna Maroney</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="5">
         <NAME>Jack McBrayer</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Kenneth Parcell</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="6">
         <NAME>Scott Adsit</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Pete Hornberger</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="7">
         <NAME>Judah Friedlander</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Frank Rossitano</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="8">
         <NAME>Keith Powell</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Toofer</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="1">
         <NAME>Tina Fey</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Executive
Producer</CONTRIBUTION_TYPE>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="2">
         <NAME>Lorne Michaels</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Executive
Producer</CONTRIBUTION_TYPE>
```

```
</CONTRIBUTION>
     </CONTRIBUTOR>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 1</TITLE>
        <SEASON_NUM>1</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 2</TITLE>
        <SEASON_NUM>2</SEASON_NUM>
     </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 3</TITLE>
        <SEASON_NUM>3</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 4</TITLE>
        <SEASON_NUM>4</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 5</TITLE>
        <SEASON_NUM>5</SEASON_NUM>
     <URL TYPE="IMAGE" SIZE="MEDIUM"> a_temporary_url
  </SERIES>
 </RESPONSE>
</RESPONSES>
```

### SERIES\_FETCH

The SERIES\_FETCH query returns metadata for a series designated by its Gracenote identifier. This is useful for navigating to the series from another associated entity (such as a season or a contributor) that has included its Gracenote identifier as part of another query response.

Parameters	Description
GN_ID	Required. The Gracenote identifier of the series to retrieve.
OPTION	Optional. Options modifying the behavior of the query. For the SERIES_FETCH query, the only PARAMETER value supported is SELECT_EXTENDED; as for the VIDEODISCSET_TOC query, the only extended data type available is IMAGE.

### **SELECT\_EXTENDED Options**

Option Name	Description
IMAGE	Returns SERIES image URL
CONTRIBUTOR_IMAGE	Returns contributor image URLs

### **Example Query**

```
<QUERY CMD="SERIES_FETCH">
 <GN_ID>a_gracenote_id</GN_ID>
 <OPTION>
   <PARAMETER>SELECT_EXTENDED</parameter>
   <VALUE>IMAGE, CONTRIBUTOR_IMAGE</VALUE>
 </OPTION>
</OUERY>
```

### **General Series Response**

When a SERIES\_SEARCH or SERIES\_FETCH query succeeds in finding a match to the specified search string or Gracenote identifier, it will return a response with the STATUS attribute OK and a <SERIES> child element containing metadata for the matched series. If no match satisfying the query is found, the <RESPONSE> element will be empty with a STATUS attribute of NO\_MATCH. If the query fails because of an error, the STATUS attribute will be ERROR and a <MESSAGE> element will be included describing the nature of the error.



#### Mote

If a SERIES\_SEARCH query does not specify SINGLE\_BEST mode, a successful response may contain more than one <SERIES> element, ordered by an ORD attribute.

The <SERIES> element contains metadata elements describing the series, such as (in the example) its Gracenote identifier, title, and production type. This is followed by a separate <SEASON> element for each season associated with the series. If the original query requested the SELECT\_EXTENDED option IMAGE, image data is included (if available) in the form of a <URL> element.

**Example Response** of a Series Query

```
<RESPONSE STATUS="OK">
 <SERIES>
   <GN_ID>a_gracenote_id</GN_ID>
   <TITLE>30 Rock</TITLE>
   <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
   <SEASON>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>1</TITLE>
     <SEASON_NUM>1</SEASON_NUM>
   </SEASON>
    <SEASON>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>2</TITLE>
     <SEASON_NUM>2</SEASON_NUM>
   </SEASON>
   <SEASON>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>3</TITLE>
     <SEASON_NUM>3</SEASON_NUM>
   </SEASON>
   <SEASON>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>4</TITLE>
     <SEASON_NUM>4</SEASON_NUM>
   <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
</RESPONSE>
```

# **Retrieving Series Link Data (XIDs)**

A client application can retrieve link data (XIDs) for Series using SERIES\_FETCH or SERIES\_SEARCH in SINGLE\_BEST mode, and SELECT\_EXTENDED with a value of LINK.

Query	Valid for	SELECT_EXTENDED Option
SERIES_FETCH	All	LINK
SERIES_SEARCH	SINGLE_BEST mode only	LINK

Client applications must be entitled to use access this link data. See your Gracenote Professional Services representative for more information.

Example Query using SERIES\_FETCH with SELECT\_EXTENDED=LINK

### Example Response for SERIES\_FETCH with SELECT\_EXTENDED=LINK

```
<RESPONSES>
 <RESPONSE STATUS="OK">
  <SERIES>
      <GN_ID>a_gracenote_id</GN_ID>
      <TITLE>The Closer</TITLE>
      <DATE TYPE="ORIGINALRELEASE">2005-06-13
      <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
      <GENRE ID="33761">Mystery & amp; Suspense</GENRE>
      <GENRE ID="33758">Drama</GENRE>
      <SYNOPSIS>a_synopsis</SYNOPSIS>
      <CONTRIBUTOR RANK="1">
        <NAME>Kyra Sedgwick</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Deputy Chief Brenda Leigh Johnson</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="2">
        <NAME>J.K. Simmons</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Assistant Chief Will Pope</CHARACTER>
        </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="3">
        <NAME>Corey Reynolds</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Sgt. David Gabriel</CHARACTER>
        </CONTRIBUTION>
      </CONTRIBUTOR>
      . . .
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>Season 1</TITLE>
```

```
<SEASON_NUM>1</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 2</TITLE>
        <SEASON_NUM>2</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 3</TITLE>
         <SEASON_NUM>3</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 4</TITLE>
        <SEASON_NUM>4</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 5</TITLE>
        <SEASON_NUM>5</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 6</TITLE>
         <SEASON_NUM>6</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 7</TITLE>
        <SEASON_NUM>7</SEASON_NUM>
     </SEASON>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
     <URL TYPE="IMAGE" SIZE="MEDIUM"> a_temporary_url
  </SERIES>
</RESPONSE>
</RESPONSES>
```

# **Fetching Seasons**

The query and response described in this section retrieve metadata for Seasons.

SEASON\_FETCH retrieves metadata for a season designated by its Gracenote identifier.

### SEASON\_FETCH

The SEASON\_FETCH query returns metadata for a season designated by its Gracenote identifier. This is useful for navigating to the season from another associated entity (such as a series or a contributor) that has included its Gracenote identifier as part of another query response. See for the response format to this query.

Parameters	Description
GN_ID	Required. The Gracenote identifier of the season to retrieve.



Season queries do not support the SELECT\_EXTENDED option.

### **Example Query**

### **Example Response**

When a SEASON\_FETCH query succeeds in finding a match to the specified Gracenote identifier, it will return a response with the STATUS attribute OK and a <SERIES> child element containing metadata for the matched series.

If no match satisfying the query is found, the <RESPONSE> element will be empty with a STATUS attribute of NO\_MATCH. If the query fails because of an error, the STATUS attribute will be ERROR and a <MESSAGE> element will be included describing the nature of the error.

The <SEASON> element contains metadata elements describing the season, such as (in the example) its Gracenote identifier, title, production type, the series to which it belongs, and its season number within the series. This is followed by a separate <AV\_WORK> element for each individual episode in the season.

```
<RESPONSE STATUS="OK">
 <SEASON>
   <GN_ID>a_gracenote_id</GN_ID>
   <TITLE>1</TITLE>
   <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
   <SERIES>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>30 Rock</TITLE>
   </SERIES>
   <SEASON_NUM>1</SEASON_NUM>
   <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>Pilot</TITLE>
     <EPISODE_NUM>1/EPISODE_NUM>
   </AV_WORK>
   <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>30 Rock: Pilot</TITLE>
      <EPISODE_NUM>1</EPISODE_NUM>
   </AV_WORK>
   <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>The Aftermath</TITLE>
     <EPISODE_NUM>2</EPISODE_NUM>
   </AV_WORK>
   <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>Blind Date</TITLE>
     <EPISODE_NUM>3</EPISODE_NUM>
   </AV_WORK>
 </SEASON>
</RESPONSE>
```

# Retrieving Season Link Data (XIDs)

A client application can retrieve link data (XIDs) for Seasons using SEASON\_FETCH and SELECT\_EXTENDED with a value of LINK.



Client applications must be entitled to use access this link data. See your Gracenote Professional Services representative for more information.

Example Query using SEASON\_FETCH with SELECT\_EXTENDED=LINK

### Example Response for SEASON\_FETCH with SELECT\_EXTENDED=LINK

```
<RESPONSES>
 <RESPONSE STATUS="OK">
  <SEASON>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>Season 1</TITLE>
      <PRODUCTION_TYPE ID="16641">Tévésorozat/PRODUCTION_TYPE>
      <GENRE ID="33761">Misztérium és kétség</GENRE>
      <GENRE ID="33758">Dráma</GENRE>
      <SERIES>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>The Closer</TITLE>
      </SERIES>
      <SEASON_NUM>1</SEASON_NUM>
      <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Pilot</TITLE>
        <EPISODE_NUM>1</EPISODE_NUM>
      </AV_WORK>
      <AV_WORK>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>About Face</TITLE>
         <EPISODE_NUM>2</EPISODE_NUM>
      </AV_WORK>
      <AV WORK>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>The Big Picture</TITLE>
         <EPISODE_NUM>3</EPISODE_NUM>
      </AV_WORK>
      <AV_WORK>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>Show Yourself</TITLE>
         <EPISODE_NUM>4</EPISODE_NUM>
      </AV_WORK>
      <AV_WORK>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>Flashpoint</TITLE>
         <EPISODE_NUM>5</EPISODE_NUM>
      </AV_WORK>
```

```
<AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Fantasy Date</TITLE>
        <EPISODE_NUM>6</EPISODE_NUM>
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>You Are Here</TITLE>
        <EPISODE_NUM>7</EPISODE_NUM>
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Batter Up</TITLE>
        <EPISODE_NUM>8</EPISODE_NUM>
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Good Housekeeping</TITLE>
        <EPISODE_NUM>9</EPISODE_NUM>
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>The Butler Did It</TITLE>
        <EPISODE_NUM>10NUM>
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>L.A. Woman</TITLE>
        <EPISODE_NUM>11
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Fatal Retraction</TITLE>
        <EPISODE_NUM>12
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Standards & amp; Practices</TITLE>
        <EPISODE_NUM>13
     </AV_WORK>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
  </SEASON>
</RESPONSE>
</RESPONSES>
```

# **Retrieving Contributor Metadata**

The queries and responses described in this section are used to retrieve metadata for contributors:

CONTRIBUTOR\_SEARCH looks up works based on a specified text search string.

• CONTRIBUTOR\_FETCH retrieves metadata for a work designated by its Gracenote identifier.

# CONTRIBUTOR\_SEARCH

The CONTRIBUTOR\_SEARCH query looks up and returns metadata for contributors, based on a specified text search string.

Parameters	Description
MODE	Optional. If set to SINGLE_BEST, the query will return at most one response, representing the single best available match to the specified text string. If this element is omitted, multiple matching responses may be returned, ordered by the ORD attribute. The application can then present these to the user for interactive match resolution, followed by a CONTRIBUTOR_FETCH query to retrieve metadata for the single selected match.
TEXT	Required. Specifies the text to look up. As of version 1.0, the only supported TYPE attribute is NAME.

### **SELECT\_EXTENDED Options**

Option Name	Valid For	Description
IMAGE	All	Returns Contributor image URL
FULL_MEDIAGRAPHY	SINGLE_BEST mode only	Instead of the short mediagraphy, it returns the full one (= fetches the CONTRIBUTOR EXTRA)
MEDIAGRAPHY_IMAGES	SINGLE_BEST mode only	Returns image URLs to mediagraphy.

### **EXPAND\_SERIES Options**

You can include include SELECT\_EXTENDED and EXPAND\_SERIES options in the same query.

Option Name	Valid For	Description
EXPAND_SERIES= <gn_id></gn_id>	SINGLE_BEST mode only	Expands and filters on series GN_ID.

If SINGLE\_BEST mode is not specified, only IMAGE extended data is available.

If the SELECT\_EXTENDED option FULL\_MEDIAGRAPHY is not requested, the mediagraphy returned in the response will contain a maximum of five credits (such as works, series, or seasons) associated with this contributor. If FULL\_MEDIAGRAPHY is specified, the mediagraphy may potentially contain many more than just a handful of such credits.

### **Example Query**

```
<QUERY CMD="CONTRIBUTOR_SEARCH">
  <MODE>SINGLE_BEST</MODE>
  <TEXT TYPE="NAME">Fey</TEXT>
  <OPTION>
    <PARAMETER>SELECT_EXTENDED</PARAMETER>
    <VALUE>IMAGE, MEDIAGRAPHY_IMAGES</VALUE>
    </OPTION>
  </QUERY>
```

## CONTRIBUTOR\_FETCH

The CONTRIBUTOR\_FETCH query returns metadata for a contributor designated by a Gracenote identifier. This is useful for navigating to the contributor from another associated entity (such as an audio-visual work or a series) that has included the contributor's Gracenote identifier as part of another query response.

Parameters	Description
GN_ID	Required. The Gracenote identifier of the contributor to retrieve.
OPTION	Optional. Options modifying the behavior of the query. For the SERIES_FETCH query, the only PARAMETER value supported is SELECT_EXTENDED; as for the VIDEODISCSET_TOC query, the only extended data type available is IMAGE.

For the CONTRIBUTOR\_FETCH query, the <OPTION> element supports the following possible PARAMETER values:

Parameters	Description
SELECT_EXTENDED	Requests additional items of metadata that would otherwise not be included in the response. The available extended data types for the CONTRIBUTOR_FETCH query are the same as for CONTRIBUTOR_SEARCH in SINGLE_BEST mode, as described in .
EXPAND_SERIES	Focuses mediagraphy data on credits associated with a specific series. The series of interest is designated by its Gracenote identifier in the option's <value> element.</value>

### **SELECT\_EXTENDED Options**

Option Name	Description
IMAGE	Returns Contributor image URL
FULL_MEDIAGRAPHY	Instead of the short mediagraphy, it returns the full one (= fetches the CONTRIBUTOR EXTRA)
MEDIAGRAPHY_IMAGES	Returns image URLs to mediagraphy.

### **EXPAND\_SERIES Options**

You can include include SELECT\_EXTENDED and EXPAND\_SERIES options in the same query.

Option Name	Valid For	Description
EXPAND_SERIES= <gn_id></gn_id>	All	Expands and filters on series GN_ID.

### **Example Query**

```
<QUERY CMD="CONTRIBUTOR_FETCH">
 <GN_ID>a_gracenote_id</GN_ID>
 <OPTION>
   <PARAMETER>SELECT_EXTENDED</parameter>
   <VALUE>IMAGE, MEDIAGRAPHY_IMAGES</VALUE>
 </OPTION>
</OUERY>
```

### Mote

The example above shows requests for the extended data types IMAGE and MEDIAGRAPHY\_IMAGES. In practice, client applications can conserve bandwidth and improve performance by omitting unneeded data types from the SELECT\_EXTENDED option or by omitting the option entirely.

### Example Query of CONTRIBUTOR\_FETCH with EXPAND\_SERIES option

```
<QUERY CMD="CONTRIBUTOR_FETCH">
 <GN_ID>a_gracenote_id</GN_ID>
 <OPTION>
   <PARAMETER>EXPAND_SERIES</PARAMETER>
   <VALUE>a_gracenote_id</VALUE>
  </OPTION>
</OUERY>
```

# **General Contributor Response**

When a CONTRIBUTOR\_SEARCH or CONTRIBUTOR\_FETCH query succeeds in finding a match to the specified search string or Gracenote identifier, it will return a response with the STATUS attribute OK and a <CONTRIBUTOR> child element containing metadata for the matched contributor.

If no match satisfying the query is found, the <RESPONSE> element will be empty with a STATUS attribute of NO\_MATCH. If the query fails because of an error, the STATUS attribute will be ERROR and a <MESSAGE> element will be included describing the nature of the error.



#### Mote

If a CONTRIBUTOR\_SEARCH query does not specify SINGLE\_BEST mode, a successful response may contain more than one <CONTRIBUTOR> element, ordered by an ORD attribute. As noted in , the only extended data type available for a CONTRIBUTOR\_SEARCH query in this case is IMAGE.

At the top level, the <CONTRIBUTOR> element contains metadata elements describing the contributor, such as (in the example) her Gracenote identifier, name, date of birth, and biography. This is followed by a <MEDIAGRAPHY> element containing child elements for works, series, or seasons to which she has contributed.

If the original query requested the SELECT\_EXTENDED options IMAGE and MEDIAGRAPHY\_IMAGES, image data will be included (if available) in the form of <URL> elements at the <CONTRIBUTOR> and the <AV\_WORK>, <SERIES>, or <SEASON> levels, respectively.



#### Mote

Additional types of mediagraphy element, other than <AV\_WORK>, <SERIES>, and <SEASON>, may be added in future releases. Client applications must be tolerant of such new element types: they should simply ignore any unrecognized mediagraphy element and proceed to the next higher-ranked element of a type they do recognize.

The <MEDIAGRAPHY> element in the example has the TYPE attribute SHORT, indicating that it is an abbreviated mediagraphy containing a maximum of five mediagraphy credits (works, series, or seasons) associated with this contributor. This is the form that is returned by default.

The query can override the default by requesting the SELECT\_EXTENDED option FULL\_MEDIAGRAPHY, in which case the <MEDIAGRAPHY> element will have the TYPE attribute FULL and will include all available credits for the contributor.



### A Important

There may potentially be a great many of them, so use this option cautiously.

In the case of the CONTRIBUTOR\_FETCH query, another possibility is the EXPAND\_SERIES option, as shown earlier. This specifies that the mediagraphy items be limited to those associated with a particular series, designated by its Gracenote identifier.

The <VALUE> element in the example contains the same Gracenote identifier shown for the example for series 30 Rock.) Without this option, any series with which a contributor is associated will simply be represented in the mediagraphy by a single <SERIES> element whose <CONTRIBUTION> child element in turn contains an <EPISODE\_CNT> element giving the number of episodes in which the contributor participated.

The EXPAND\_SERIES option suppresses all mediagraphy data not pertaining to the designated series, while expanding the data for that series to include separate elements for each season and episode.

**Example Response** of a Contributor Query without EXPAND\_SERIES option

```
<RESPONSE STATUS="OK">
 <CONTRIBUTOR>
   <GN ID>a gracenote id</GN ID>
   <NAME>Tina Fey</NAME>
   <DATE TYPE="BIRTH">1970-05-18
   <BIOGRAPHY>Perhaps the most popular ...</BIOGRAPHY>
   <CONTRIBUTOR_TYPE RANK="1">Actor</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="2">Executive Producer</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="3">Author</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="4">Screenwriter</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="5">Producer</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="6">Voice-Of</CONTRIBUTOR_TYPE>
    <MEDIAGRAPHY TYPE="SHORT">
      <AV_WORK RANK="1">
       <TITLE>Megamind 3D</TITLE>
       <GN_ID>a_gracenote_id</GN_ID>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Voice-Of</CONTRIBUTION_TYPE>
       </CONTRIBUTION>
      </AV WORK>
```

```
<SERIES RANK="2">
       <GN_ID>a_gracenote_id</GN_ID>
       <TITLE>30 Rock</TITLE>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
         <CHARACTER>Liz Lemon</CHARACTER>
         <EPISODE_CNT>23</EPISODE_CNT>
       </CONTRIBUTION>
     </SERIES>
     <AV_WORK RANK="3">
       <TITLE>Date Night</TITLE>
       <GN_ID>a_gracenote_id</GN_ID>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
         <CHARACTER>Claire Foster</CHARACTER>
       </CONTRIBUTION>
     </AV_WORK>
     <AV_WORK RANK="4">
       <TITLE>Ponyo</TITLE>
       <GN_ID>a_gracenote_id</GN_ID>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
         <CHARACTER>Lisa</CHARACTER>
       </CONTRIBUTION>
       <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
   </AV_WORK>
     <AV_WORK RANK="5">
       <TITLE>Saturday Night Live: The Best Of Amy Poehler</TITLE>
       <GN_ID>a_gracenote_id</GN_ID>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
         <CHARACTER>Herself</CHARACTER>
       </CONTRIBUTION>
       <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
   </AV_WORK>
 </MEDIAGRAPHY>
   <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
</CONTRIBUTOR>
</RESPONSE>
```

Example Response of a Contributor Query with EXPAND\_SERIES option

```
<RESPONSE STATUS="OK">
 <CONTRIBITOR>
   <GN_ID>a_gracenote_id</GN_ID>
   <NAME>Tina Fey</NAME>
   <DATE TYPE="BIRTH">1970-05-18</pate>
   <BIOGRAPHY>Perhaps the most popular \dots</BIOGRAPHY>
   <CONTRIBUTOR_TYPE RANK="1">Actor</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="2">Executive Producer</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="3">Author</CONTRIBUTOR_TYPE>
    <CONTRIBUTOR_TYPE RANK="4">Screenwriter</CONTRIBUTOR_TYPE>
    <CONTRIBUTOR_TYPE RANK="5">Producer</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="6">Voice-Of</CONTRIBUTOR_TYPE>
    <MEDIAGRAPHY TYPE="EXPAND_SERIES">
     <SERIES RANK="1">
       <GN_ID>a_gracenote_id</GN_ID>
       <TITLE>30 Rock</TITLE>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
          <CHARACTER>Liz Lemon</CHARACTER>
          <EPISODE_CNT>23</EPISODE_CNT>
       </CONTRIBUTION>
      </SERIES>
      <SEASON RANK="2">
       <GN ID>a gracenote id</GN ID>
       <TITLE>1</TITLE>
        <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
       <SEASON_NUM>1</SEASON_NUM>
      </SEASON>
      <AV_WORK RANK="3">
       <TITLE>Pilot</TITLE>
       <GN_ID>a_gracenote_id</GN_ID>
       <SEASON>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>1</TITLE>
          <SEASON_NUM>1</SEASON_NUM>
       </SEASON>
       <EPISODE_NUM>1
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
         <CHARACTER>Liz Lemon</CHARACTER>
         <EPISODE_CNT>23</EPISODE_CNT>
       </CONTRIBUTION>
      </AV_WORK>
   </MEDIAGRAPHY>
  </CONTRIBUTOR>
```

# Retrieving Contributor Link Data (XIDs)

A client application can retrieve commerce link data (XIDs) for Contributors. Use the following queries and SELECT\_EXTENDED options to retrieve this data:

Query	Valid for	SELECT_EXTENDED Option
~~~,		

CONTRIBUTOR_FETCH	All	LINK
CONTRIBUTOR_SEARCH	SINGLE_BEST mode only	LINK
AV_WORK_FETCH	All	CONTRIBUTOR_LINK
AV_WORK_SEARCH	SINGLE_BEST mode only	CONTRIBUTOR_LINK
SERIES_FETCH	All	CONTRIBUTOR_LINK
SERIES_SEARCH	SINGLE_BEST mode only	CONTRIBUTOR_LINK
TVPROGRAM_FETCH	All	CONTRIBUTOR_LINK



### Note

Client applications must be entitled to use access Contributor link data. See your Gracenote Professional Services representative for more information.

### **Example Query** using CONTRIBUTOR\_FETCH and SELECT\_EXTENDED=LINK

```
<QUERIES>
 <AUTH>
   <CLIENT>client_id_string</CLIENT>
   <USER>user_id_string</USER>
 <QUERY CMD="CONTRIBUTOR_FETCH">
   <!-- Ashton Kutcher -->
   <GN_ID>a_gracenote_id</GN_ID>
     <PARAMETER>SELECT_EXTENDED</parameter>
     <VALUE>LINK</VALUE>
   </OPTION>
 </QUERY>
</QUERIES>
```

### Example Response for CONTRIBUTOR\_FETCH and SELECT\_EXTENDED=LINK

```
<RESPONSES>
  <RESPONSE STATUS="OK">
   <CONTRIBUTOR>
     <GN_ID>a_gracenote_id</GN_ID>
     <NAME>Ashton Kutcher</NAME>
     <DATE TYPE="BIRTH">1978-02-07</pate>
     <PLACE TYPE="BIRTH">Cedar Rapids, Iowa, USA</PLACE>
      <BIOGRAPHY>Ashton Kutcher was ....</BIOGRAPHY>
     <CONTRIBUTOR_TYPE RANK="999" ID="15960">Executive Producer</CONTRIBUTOR_TYPE>
      <CONTRIBUTOR_TYPE RANK="999" ID="15942">Actor</CONTRIBUTOR_TYPE>
      <MEDIAGRAPHY TYPE="SHORT">
       <AV_WORK RANK="1">
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>New Year&apos;s Eve</TITLE>
         <DATE TYPE="ORIGINALRELEASE">2011
          <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
          </CONTRIBUTION>
       </AV_WORK>
      </MEDIAGRAPHY>
      <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
    </CONTRIBUTOR>
  </RESPONSE>
</RESPONSES>
```

### Example Query using SERIES\_FETCH and SELECT\_EXTENDED=CONTRIBUTOR\_LINK

### Example Response for SERIES\_FETCH and SELECT\_EXTENDED=CONTRIBUTOR\_LINK

```
<SYNOPSIS>a synopsis</SYNOPSIS>
<CONTRIBUTOR RANK="1">
   <NAME>Tina Fey</NAME>
  <GN_ID>a_gracenote_id</GN_ID>
  <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
  <CONTRIBUTION>
      <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
      <CHARACTER>Liz Lemon</CHARACTER>
  </CONTRIBUTION>
</CONTRIBUTOR>
<CONTRIBUTOR RANK="2">
  <NAME>Alec Baldwin</NAME>
  <GN_ID>a_gracenote_id</GN_ID>
  <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
  <CONTRIBUTION>
     <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
      <CHARACTER>Jack Donaghy</CHARACTER>
   </CONTRIBUTION>
</CONTRIBUTOR>
<CONTRIBUTOR RANK="3">
  <NAME>Tracy Morgan</NAME>
  <GN_ID>a_gracenote_id</GN_ID>
  <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
  <CONTRIBUTION>
      <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
      <CHARACTER>Tracy Jordan</CHARACTER>
   </CONTRIBUTION>
</CONTRIBUTOR>
<CONTRIBUTOR RANK="4">
  <NAME>Jane Krakowski</NAME>
  <GN_ID>a_gracenote_id</GN_ID>
  <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
  <CONTRIBUTION>
      <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
      <CHARACTER>Jenna Maroney</CHARACTER>
  </CONTRIBUTION>
</CONTRIBUTOR>
<CONTRIBUTOR RANK="5">
  <NAME>Jack McBrayer</NAME>
  <GN_ID>a_gracenote_id</GN_ID>
  <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
      <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
      <CHARACTER>Kenneth Parcell</CHARACTER>
   </CONTRIBUTION>
</CONTRIBUTOR>
. . .
<SEASON>
  <GN_ID>a_gracenote_id</GN_ID>
  <TITLE>Season 1</TITLE>
  <SEASON_NUM>1</SEASON_NUM>
</SEASON>
<SEASON>
  <GN_ID>a_gracenote_id</GN_ID>
  <TITLE>Season 2</TITLE>
  <SEASON_NUM>2</SEASON_NUM>
</SEASON>
```

```
<SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 3</TITLE>
        <SEASON_NUM>3</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 4</TITLE>
        <SEASON_NUM>4</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 5</TITLE>
        <SEASON_NUM>5</SEASON_NUM>
     </SEASON>
  </SERIES>
</RESPONSE>
</RESPONSES>
```