



eyeQ Bundle Release Notes

Product Version 1.5.0

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Table of Contents

About the Gracenote eyeQ™ Bundle Release Package	3
System Requirements	3
Gracenote Media Recognition Service URL	3
Gracenote Thin Client	3
Feature Highlights	3
In this Release	4
New Features	4
Changes and Corrected Issues	5
Limitations	5
About the Reference Application	5
Reference Application Features	6
About the Developer Documentation Set	6
Release Number Conventions	7
Release History	7
Release 1.4.0	8
Release 1.3.2	8
New Features	8
Changes and Corrected Issues	8
Limitations	8
Release 1.3.1	8
New Features	8
Changes and Corrected Issues	9
Limitations	9
Contact Information	9
Confidentiality Notice	9

About the Gracenote eyeQ™ Bundle Release Package

This release is distributed as a compressed archive file, *.zip, containing the following:

- Reference application binary for Windows and Mac.
- Reference application source code, including Windows Visual Studio project files.
- Developer Documentation Set

System Requirements

There are no special system requirements to use the Gracenote eyeQ Bundle APIs. Virtually any application that supports HTTPS access can post queries and retrieve results from the Gracenote Media Recognition Service.

Gracenote Media Recognition Service URL

Please contact Gracenote Professional Services for the URL to use when connecting to the Gracenote Media Recognition Service. For additional information about the Gracenote HTTPS protocol, see "Supported HTTPS Protocols" in the *Implementation Guide*.

Gracenote Thin Client

If your application needs to explore video disc content, you will also need the Gracenote Thin Client package. The Thin Client reads video discs and generates TOC (Table of Contents) used by some video queries. If your application uses the Video ID queries to get video information, you will need the Thin Client. You can get the Thin Client package from Gracenote Professional Services.

Feature Highlights

The Gracenote eyeQ Bundle provides Web API support for Video ID, Video Explore, and TV electronic programming guide (EPG). Features include:

- TV listings for North America and Europe
- Exploration of cast/crew and filmographies for North America and Europe
- Commerce Linking
 - Video-on-Demand catalogs (select catalogs)
 - Amazon Physical Discs ASINs (select regions)

- TV Grid-based EPG data retrieval
 - Find what is on one or more particular channel(s) at a certain time
 - Download and update EPG data batches for multiple days
- Text search of EPG data
- EPG images
 - Logos for most channels
 - Images for many TV programs
- Gracenote metadata linking for EPG data
 - Commerce links such as VOD, disc purchase, and so on (for example, Netflix, Amazon, ...).
 - Contributor credits for TV Programs link to Gracenote Contributor objects.
 - Episodes of a TV Series link to Gracenote Series data
 - Contributor credits for TV Programs linked to Gracenote Contributor objects
- Contributor biographies and filmography
 - Find other Movies/Shows a contributor has been in
 - Contributor images
 - Ability to expand contributor filmography associated with a particular TV Series. (Down to per-episode detail)

In this Release

This section lists new or changed features for this release. It also lists corrected issues and known limitations.

New Features

- Extended URL_GET call to return TV Series images.
- Updated FIELDVALUES call to return Turkish, Portuguese, and Russian strings for categories and production types.
- When available, Japanese TV programs now include links to Contributor data.
- Added COUNTRY and CALLSIGN values to responses from TVCHANNEL_LOOKUP and TVCHANNEL_FETCH. This enables disambiguation of possible duplicate DVBIDs in some countries.
- Support for Providers and Channel Lineups for England, France, Italy, Germany, and Spain. This is currently only supported in the Service Delivery Platform (SDP) batch files. Support using the WebAPI calls will be added in a future release.
- Extended FIELDVALUES call to return lists of countries and regions that have Providers and Channel Lineups.
- New TVPROVIDER STATE_TYPES for Service Delivery Platform (SDP) Applications to access the new Providers and Channel Lineups. These include:

TVPROVIDER_REGION-APAC	Returns TV providers for countries in Asia and Pacific, including Australia and New Zealand.
TVPROVIDER_REGION-EU	Returns TV providers for European countries, including Russia.
TVPROVIDER_REGION-JP	Returns TV providers for Japan.

TVPROVIDER_REGION-NA	Returns TV providers for North America, including USA, Canada, and Central America.
TVPROVIDER_REGION-SA	Returns TV providers for South America, including Brazil and Argentina.

Changes and Corrected Issues

Deprecated STATE_TYPES for Service Developer Platform (SDP) Applications

The following SDP STATE_TYPES are deprecated for new applications. Instead of these, use region-based STATE_TYPES (TV*_REGION-*) with TVGRIDBATCH_UPDATE. The STATE_TYPES listed below will continue to be supported for existing applications. We recommend these customers migrate their applications to the REGION batch file STATE_TYPES.

STATE_TYPE	Description	Instead use...
TV*_ALL	Returns data for all supported countries and regions.	
TVLISTINGS_ALL	Returns TV listings for all supported countries and regions.	TVLISTINGS_REGION-*, where * is one or more of: APAC, EU, JP, NA, or SA.
TVLISTINGS_ALL_IMAGEURL	Returns TV listing images for all supported countries and regions.	TVLISTINGS_REGION-*_IMAGEURL, where * is one or more of: APAC, EU, JP, NA, or SA.
TVPROVIDER_ALL	Returns all available data for North American TV providers only.	TVPROVIDER_REGION-*, where * is one or more of: APAC, EU, JP, NA, or SA.
TVSETUP_ALL	Returns channel data for all supported countries and regions.	TVSETUP_REGION-*, where * is one or more of: APAC, EU, JP, NA, or SA.
TVSETUP_ALL_IMAGEURL	Returns channel images for all supported countries and regions.	TVSETUP_REGION-*_IMAGEURL, where * is one or more of: APAC, EU, JP, NA, or SA.
TV*_EU	Returns data for Europe, and all other supported countries and regions, except North America.	
TVLISTINGS_EU	Returns TV listings for Europe, and all other supported countries and regions, except North America.	TVLISTINGS_REGION-EU
TVLISTINGS_EU_IMAGEURL	Returns TV listing images for Europe, and all other supported countries and regions, except North America.	TVLISTINGS_REGION-EU_IMAGEURL
TVSETUP_EU	Returns channel data for Europe, and all other supported countries and regions, except North America.	TVSETUP_REGION-EU
TVSETUP_EU_IMAGEURL	Returns channel images for Europe, and all other supported countries and regions, except North America.	TVLISTINGS_REGION-EU_IMAGEURL

Limitations

- None

About the Reference Application

The easiest way to learn about the Gracenote eyeQ Bundle is to run the Reference application and review the source code. See the *Gracenote eyeQ Reference Application Guide* for details. As you work with the Reference applications, and begin creating your own applications, refer to the Gracenote eyeQ Developer Documentation Set.

The Reference application files are located in the distribution package as shown below. The Reference application comes as an executable binary distribution for Mac and Windows. The Reference application source code is provided as a learning resource:

Reference Application Binary: `eyeq_ref_app_mac_n_n_n_n.zip` and `eyeq_ref_app_win_n_n_n_n.zip`

Reference Application Source: `eyeq_ref_app_src_n_n_n_n.zip`

Where `_n_n_n_n` is the version number for this build of the product.

Reference Application Features

The reference application demonstrates many eyeQ features, including:

- Interactive minimal UI to show queries and responses
- Shows Gracenote Web API query XML for most EyeQ Queries:
 - Text search:
 - Works
 - Contributors
 - Series
 - EPG Data
 - Retrieval of:
 - Works
 - Contributors
 - TV Series
 - Season
 - TV Programs
 - Products
 - EPG Listings (one channel at a time)
 - Images
- Demonstrates how to implement the 'explore' experience: Shows how to use the results of one query as the input to the next query.

About the Developer Documentation Set

The location of the Gracenote eyeQ developer documentation set is: **`eyeq_docs_n_n_n_n.zip`**, where `_n_n_n_n` is the current version number of the release. The documentation is in PDF format.

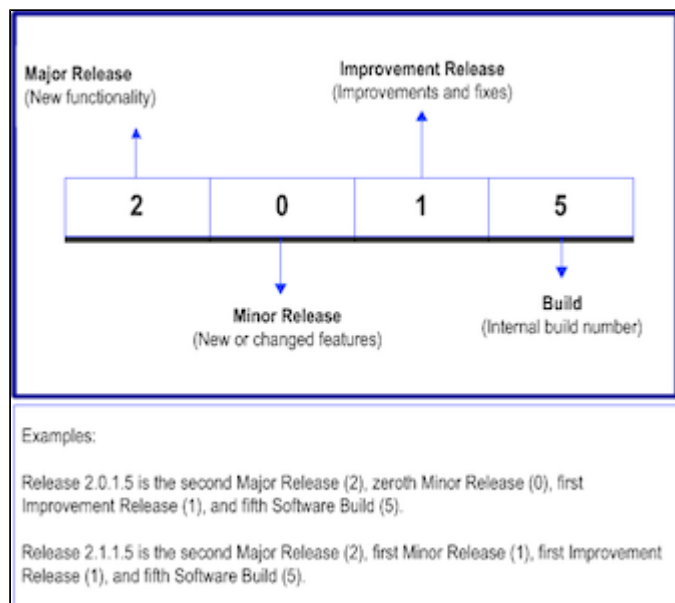
The documentation set also includes a *Reference Application Code Guide* in HTML format. This is located here: `\\docs\\external\\gn_eyeq_reference_app_code_reference`. Click on the **start_here.html** file to view this documentation.

The documentation set includes:

Product Overview	Presents a high-level introduction to the Gracenote eyeQ Bundle APIs.
Release Notes	This document. Contains known issues, limitations, and late-breaking information.
Implementation Guide	Details about designing and implementing Gracenote eyeQ Bundle API applications, including best practices, and other development information.
Common Use Cases and Queries Reference	Covers typical use cases and queries
Reference Application Guide	Documents the Gracenote eyeQ Bundle Reference Application. See also the HTML-based Reference Application Code Guide described above.
Data Model Guide	Describes the basic Gracenote eyeQ Web API data model.
Service Delivery Platform Developer's Guide	Describes APIs specifically for Service Delivery Platform (SDP). For SDP applications, use this information along with the rest of the eyeQ Bundle documentation set.
API Reference Guides	Reference documentation of the eyeQ, VideoID, and VideoExplore Web APIs.

Release Number Conventions

The Gracenote eyeQ Bundle is distributed as a .zip file with the release (version) number in the file name. For example, `gn_eyeq_ref_app_1.1.0.4`. The release number is updated for each release build and follows the conventions below:



Release History

Release 1.4.0

- Added new region specific Service Delivery Platform (SDP) batch files. The files contain only the data for the countries in that region. The current regions are Asia/Pacific, Europe, Japan, North America, and South America.
- The region specific batch files will be updated up to four times a day.
- Added support to retrieve channels using ISDB triplets.

Release 1.3.2

New Features

- The Service Delivery Platforms (SDPs) file TVSETUP now has support for other digital broadcast systems such as ISDB. Japanese and Brazilian channels now have their ISDB broadcast values. See the SDP documentation for further information.
- Added support to retrieve 3rd party IDs directly assigned to TV channels and programs using TVCHANNEL_LOOKUP and TVPROGRAM_FETCH queries.

Changes and Corrected Issues

- There is a format change in the SDP file TVPROVIDER_ALL. The POSTAL_CODE tag may now have multiple, comma-separated postal codes within the tag.

Limitations

- The ISDB data is only available in the SDP files. There is currently no ability to do online search queries for channels by ISDB ID. This functionality will be added in a future release.

Release 1.3.1

New Features

- Service Data Platforms (SDPs) can now retrieve TVPROVIDER batch data using TVGRIDGBATCH_UPDATE. The batch data contains information about cable, satellite and digital broadcast providers in the United States, such as DirecTV, Dish Network, Comcast, Time Warner, and so on. It includes channel lineups, zip codes where the service is available, and the provider type (cable, satellite, or digital broadcast). This information is similar to the response data from TVPROVIDER_LOOKUP available to all eyeQ applications.
- Added a PROVIDERTYPE value to TVPROVIDER_LOOKUP response data.
- Added a RANK value to TVCHANNEL_LOOKUP response data and to the TVSETUP batch data for SDPs. Channels have a rank value allowing relative channel importance to be determined.

Changes and Corrected Issues

- General improvements.

Limitations

- TVGRID_LOOKUP has maximum date range of 12 hours. To request data for a larger date range, split the request into multiple requests. Requests that have a date range greater than 12 hours will still return data, but it will only be from the first 12 hours of the date range.
- Video Explore experiences limited to content originating in: US, UK, France, Italy, Germany
- Content-to-Content Recommendations only available via batch implementation types

Contact Information

For questions about this release, contact your Gracenote Professional Services representative.

Confidentiality Notice

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