**SEO SDK for .NET**

API Developer Document

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# 1 – Audience

This document is intended for developers who are familiar with C# .NET programming and who would like to extend and contribute to the capabilities of SEO SDK.

Developers who are completely new to SEO SDK can view the SDK\_API\_User\_document.doc located at <http://bazaarvoice.github.io/seo_sdk_dotnet> and then later view this document.

# 2 – Pre-requisites

The following are pre-requisites required for SEO-SDKAPI development:

* .NET Framework 2.0 or above.
* SEO-SDK-DOTNET source code.
* Any IDE such as Visual Studio or Eclipse.
* Any Git client

# 3 – Details

Source code can be downloaded from the following location <https://github.com/bazaarvoice/seo_sdk_dotnet> into your git repository. There will be various branches and Release tags so make sure what you download and use is appropriate to you.

Documents can be found either at the release site <http://bazaarvoice.github.io/seo_sdk_dotnet> or <https://github.com/bazaarvoice/seo_sdk_dotnet/docs> (which will be under the docs folder of cloned directory).

The folder structure of the repository is as follows from the root level:

docs – contains all documentation and any document inside this folder will be published to the gh-pages.

BVSeoSdkDotNet – contains the source code implementation of SEO-SDK.

There may be other files or folders which may not be necessary for API development.

The following are the APIs that are already available in the stable release and defined in BVUIContent interface.

getContent, getAggregateRating, and getReviews methods take BVParameters as their argument and return string content. These APIs are already covered in the API-User doc.

Changes to these APIs are not advised as they are already used and care should be taken to enhance the features and not to modify them.

# 4 – Logging

The .NET SEO SDK uses log4net libraries to log debug information, exceptions and errors. The log4net setup is configured using a configuration file that is packaged along with the SDK named “BVLog4Net.config”. It contains an element named “file” where the user can specify the location of the log file, which by default is setup to log under the “C:\Windows\Temp\” folder by using the System Variable %windir%. The user can change it by changing this value:

<file value="${windir}\Temp\BV-SEO-SDK-DOTNET-LOGFILE.log" />

The configuration file needs to be copied to the root directory of the application that is using the SDK for logging to work properly.

# 5 – Resources

Below are few links to refer for further information:

Release Notes: <https://github.com/bazaarvoice/seo_sdk_dotnet/blob/master/docs/Release-Notes.docx>

API User Document: <https://github.com/bazaarvoice/seo_sdk_dotnet/blob/master/docs/SEO-SDK_API_User_document.docx>

Example: <https://github.com/bazaarvoice/seo_sdk_dotnet/tree/master/BVSeoSdkDotNet/DotNetAspxExample>