**SEO SDK for Java**

API User Document

**Version: Release 2.0.0 Beta**

Table of Contents

[1 – Audience 3](#_Toc365028178)

[2 – Pre-requisites 3](#_Toc365028179)

[3 – Introduction 3](#_Toc365028180)

[4 – Getting started 3](#_Toc365028181)

[5 – BVConfiguration 4](#_Toc365028182)

[5.1 – Bvclient.properties 4](#_Toc365028183)

[5.2 – Advanced configuration 4](#_Toc365028184)

[6 – Support 5](#_Toc365028185)

# 1 – Audience

This document is intended to all developers who are familiar with Java programming and who intend to use APIs from SEO-SDK to enhance Bazaarvoice SEO capabilities on their site.

This document is also a starting point for developers who want to extend the capabilities of SEO-SDK. Documents on API development can be found at ${RELEASE\_URL}/SEO-SDK\_API\_Developer\_document.doc

# 2 – Pre-requisites

Following are pre-requisites required for SEO-SDK to work:

* Java v1.5 and above.
* SEO-SDK library.

# 3 – Introduction

There are two SEO-SDK library jars available for download from the following location <http://Release_url/seo_sdk_java/$Release>. Functionally both the jars “seo-sdk-{version}.jar” & “seo-sdk-{version}-jar-with-dependencies” does the same work as it is supposed to but the way they are packaged is different.

Seo-sdk-{version}-jar-with-dependencies.jar has all the additional libraries packaged with the same jar so the user has no additional libraries to add. This is the version that we recommend all the developers.

On the other hand seo-sdk-{version}.jar is a standard version of the library with no additional/supporting library packaged in to it. Developers using this kind of library have to ensure their environments are set properly for additional libraries. The lists of additional libraries are given below:

* Apache-commons-lang3
* Slf4j-api
* Apache fluent-hc

Once you have the seo-sdk library downloaded, add it to your classpath.

# 4 – Getting started

The simplest form to get seo-sdk to retrieve Bazaarvoice UI contents is by creating an instance of “BVManagedUIContent“ class and an instance of “BVParameters” class with all attributes populated and then invoke the BVManagedUIContent’s searchContent method by passing BVParameters instance. Below is the code snippet that gets the content.

*BVParameters bvParam = new BVParameters();*

*bvParam.setUserAgent("google");*

*bvParam.setBaseURI("http://localhost:8080/Sample/Example-1.jsp");*

*bvParam.setPageURI("http://localhost:8080/Sample/Example-1.jsp?bvrrp=123");*

*bvParam.setContentType(ContentType.REVIEWS);*

*bvParam.setSubjectType(SubjectType.PRODUCT);*

*bvParam.setSubjectId("product1");*

*BVUIContent bvUIContent = new BVManagedUIContent();*

*String content = bvUIContent.searchContent(bvParam);*

The output above will yield us “HTTP 404 Forbidden” since the settings are wrong, but having set valid values to bvParam, will get you the proper contents.

# 5 – BVConfiguration

## 5.1 – Bvclient.properties

Bvclient.properties file reside very next to the library folder and helps in setting one time configuration. So users who have single environment and not worried to create configurations can configure the one time activity bvclient.properties and start loading configurations from there on.

Refer to bvclient.properties and each individual property for further information.

## 5.2 – Advanced configuration

It is possible to override the bvclient.properties programmatically and this can be achieved by creating an instance of BVSdkConfiguration which is an implementation of BVConfiguration interface and add appropriate values using the BVClientConfig enum. This way you will be overriding the values which are loaded from bvclient.properties. Below is the code snippet along with the BVUIContent and BVParamaters for this example.

*BVConfiguration bvConfig = new BVSdkConfiguration();*

*bvConfig.addProperty(BVClientConfig.SEO\_SDK\_ENABLED, "true");*

*bvConfig.addProperty(BVClientConfig.STAGING, "true");*

*bvConfig.addProperty(BVClientConfig.LOAD\_SEO\_FILES\_LOCALLY, "false");*

*bvConfig.addProperty(BVClientConfig.CLOUD\_KEY,"cldKey-a4501eb5be8bf8efda68f3f4ff7b3cf4");*

*bvConfig.addProperty(BVClientConfig.LOCAL\_SEO\_FILE\_ROOT, "/");*

*bvConfig.addProperty(BVClientConfig.BV\_ROOT\_FOLDER, "6574-en\_us");*

*BVParameters bvParam = new BVParameters();*

*bvParam.setUserAgent("google");*

*bvParam.setBaseURI("http://localhost:8080/Sample/Example-1.jsp");*

*bvParam.setPageURI("http://localhost:8080/Sample/Example-1.jsp?bvrrp=abcd");*

*bvParam.setContentType(ContentType.REVIEWS);*

*bvParam.setSubjectType(SubjectType.PRODUCT);*

*bvParam.setSubjectId("product1");*

*BVUIContent bvUIContent = new BVManagedUIContent(bvConfig);*

*String content = bvUIContent.searchContent(bvParam);*

It is also possible to make multiple configurations using *BVConfiguration bvConfig = new BVSdkConfiguration();* and each time a new BVSdkConfiguration instance is created, the bvclient.properties is loaded and this can be overridden by adding values to each of the property using BVClientConfig enum as mentioned in the above code snippet.

# 6 – Support

For any queries and support please email to [seo-sdk\_support@bazaarvoice.com](mailto:seo-sdk_support@bazaarvoice.com).