

BPS 2025.1
Changes to SDK & API



1. Introduction.....	3
2. SDK – Changes	4
2.1. Introducing asynchronous methods.....	4
3. SDK – New features	5
3.1. Custom authentication	5
3.1.1. Custom REST Authentication.....	5
3.1.2. Custom SQL Authentication.....	5
4. BPS API – Changes	6
4.1. Removal of API 4.0.....	6
4.2. Removal of login endpoint api/login.....	6
5. BPS API – New features.....	7
5.1. Adding an attachment without instance checkout	7
5.2. Assigning tasks to selected people.....	7

1. Introduction

The following document contains a list of changes in WEBCON BPS SDK and API when compared to version 2024.1, which can be divided into two categories:

- changes that break code compatibility or change how existing code works,
- changes that introduce new features.

2. SDK – Changes

2.1. Introducing asynchronous methods

In the ExistingDocumentData class, for property: **ParentDocumentID**, it is no longer possible to assign a value, and it is now an asynchronous method: **SetParentDocumentIDAsync**.

Previously:

```
currentDocument.ParentDocumentID = parentDocumentID;
```

Currently:

```
await currentDocument.SetParentDocumentIDAsync(parentDocumentID);
```

3. SDK – New features

3.1. Custom authentication

In version 2025 a new type of customization was added: Custom authentication. It can be used on REST and SQL connections.

3.1.1. Custom REST Authentication

Used to create a HttpClient type object with attached authentication data, e.g. an appropriate authentication header.

It requires a new class, inheriting from the base class:

CustomRESTAuthentication<TConfig> and implementing the method:
CreateAuthenticatedClientAsync(...)

```
public class CustomRest : CustomRESTAuthentication<PluginConfig>
{
    public override Task<HttpClient>
        CreateAuthenticatedClientAsync(CustomRestAuthenticationParams params)
    {
        ....
    }
}
```

3.1.2. Custom SQL Authentication

Used to create and return a connection string to the system, that will then be used to connect to the database.

It requires a new class, inheriting from the base class:

CustomDatabaseAuthentication<TConfig> and implementing the method:
CreateAuthenticatedClientAsync (...)

```
public class CustomDB : CustomDatabaseAuthentication<PluginConfig>
{
    public override Task<string> CreateConnectionStringAsync()
    {
        ....
    }
}
```

4. BPS API – Changes

4.1. Removal of API 4.0

REST API 4.0 has been removed, and version 5.0 has been marked as deprecated.

4.2. Removal of login endpoint `api/login`

Login endpoint: `api/login` has been removed.

All existing usages should be migrated to endpoint `/api/oauth2/token`.

5. BPS API – New features

5.1. Adding an attachment without instance checkout

Version 6.0 and beta now has the option to ignore instance checkout when adding an attachment. This change only applies to endpoints from the HighTrust group for attachments. There is a new query parameter: [ignoreCheckout](#), which can be used to override the requirement for a checkout. It should not be confused with the [forceCheckout](#) parameter, and using both will result in an error.

5.2. Assigning tasks to selected people

Version 6.0 and beta now has the option of designating a task to selected people on a path.

The Post and Patch model for endpoints contains a new object called [specifiedUsersTasks](#) which can pass a collection of user IDs. This change only applies to paths that use the "Any" task assignment option.

An analogous change is available in HighTrust endpoints, but there it is possible to assign tasks (and CC tasks) regardless of path configuration.