

# **BPS 2024.1**

## **Changes in SDK and API**



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## 1. Introduction

A list of changes in the SDK and API in comparison to version 2024.1. The listed changes break code compatibility or alter the behavior of the existing code.

## 2. Changes in SDK

### 2.1. Implementation of asynchronous methods

The existing methods available in the SDK, both in the base and utility classes, have been replaced with asynchronous versions.

The following namespaces have been changed:

- **WebCon.WorkFlow.SDK.Documents.Model.Fields**

The **SetFieldValue** and **SetValue** methods, which define the values of form fields, have been replaced with their asynchronous equivalents: **SetFieldValueAsync** and **SetValueAsync**.

Previously:

```
currentDocument.SetFieldValue(fieldID, fieldValue);  
currentDocument.Fields.GetByID(fieldID).SetValue(fieldValue);
```

Currently:

```
await currentDocument.SetFieldValueAsync(fieldID, fieldValue);  
await currentDocument.Fields.GetByID(fieldID).SetValueAsync(fieldValue);
```

- **WebCon.WorkFlow.SDK.Documents.Model.ItemLists**

The **SetCellValue** and **SetValue** methods, which define the values of columns in an Item list row, have been replaced with their asynchronous equivalents: **SetCellValueAsync** and **SetValueAsync**.

Previously:

```
itemListRow.SetCellValue(cellID, cellValue);  
itemListRow.Cells.GetByID(cellID).SetValue(cellValue);
```

Currently:

```
await itemListRow.SetCellValueAsync(cellID, cellValue);  
await itemListRow.Cells.GetByID(cellID).SetValueAsync(cellValue);
```

- **WebCon.WorkFlow.SDK.Documents.Model.Attachment**

The property **Content** has been replaced with the methods **SetContent** and **GetContentAsync()**.

Previously:

```
byte[] content = attachment.Content;  
attachment.Content = content;
```

Currently:

```
byte[] content = await attachment.GetContentAsync();  
attachment.SetContent(content);
```

- **WebCon.WorkFlow.SDK.Documents.Model.Attachment.AttachmentOCRData**

The properties **FlexiData** and **FRData** have been replaced with asynchronous methods.

Previously:

```
string flexiData = attachment.OcrData.FlexiData;  
string frData = attachment.OcrData.FRData;
```

Currently:

```
string flexiData = await attachment.OcrData.GetFlexiDataAsync();  
string frData = await attachment.OcrData.GetFRDataAsync();
```

## 2.2. Removal of unsupported SharePoint groups

The class **SPGroupSearchParameters** and the value **SPGroup** have been removed from the **BpsUserSearchScope** scope. SharePoint groups should be replaced with BPS groups.

## 2.3. Behavior change in the AttachmentsCollection GetByIDAsync method

Previously, the **GetByIDAsync** method returned **null** when no attachment with the specified ID was found. The SDK now returns the last exception of **SDKArgumentException**.

The method **TryGetByIDAsync** has been added which returns **null** if no attachment is found.

## 2.4. Removal of obsolete properties from SendEmailParams

The following properties have been removed from the **SendEmailParams** class: **ToPeopleGroups**, **ToCCPeopleGroups**, **ToCBCPeopleGroups** marked as

“obsolete” in the 2023 version. These properties can be replaced with the following, respectively: **ToBPSAccounts**, **ToCCBPSAccounts**, **ToUCCBPSAccounts**.

## 2.5. Updated the format of **FormFieldExtension** model for data exchange between the server and the form

- Previously, when a control in **FormFieldExtension** had its own business logic model of a system type (e.g., `FormFieldExtension<Config, string>`), the value provided from the UI to the logic part was deserialized. Currently, the value is provided in its unchanged form.
- For the **FormFieldExtension** without the logic part or with the logic part, but not including its own data model, e.g., `FormFieldExtension<Config>`, a standardized model provided to the interface part has been implemented which is coherent with all types of form fields.

A value is transmitted on the form as JSON with the **value** property, which includes a value whose type depends on the type of the expanded form field (e.g., a string for a text field).

Model:

```
{
  value: "database value",
}
```

The only deviation from this rule occurs when the expansion is used in the **Multiple Lines of Text** field with the **Append mode** enabled. In such cases, along with the **value** property, the **comments** collection is also sent. This collection operates exclusively in the read-only mode and does not need to be sent from the UI to the logic part.

Model:

```
{
  value: "new comment value",
  "existingEntries": [
    {
      "author": "",
      "comment": "",
      "date": ""
    },
    {
      "author": "",

```

```
    "comment": "",  
    "date": ""  
  }  
  ]  
}
```

## 3. Changes in BPS API

### 3.1. BPS Rest API version changes

- Added a new version of the BPS Rest API, marked as 6.0.
- The 4.0 Rest API version has been marked as obsolete; further use is not recommended (it is going to be removed in the next WEBCON BPS version).
- The 3.0 Rest API version has been removed.

### 3.2. The `/api/login` endpoint planned for removal

The `/api/login` endpoint, used for authentication, will be removed in the 2025 version. It is recommended to use the `/api/oauth2/token` endpoint.

### 3.3. Changes in applications endpoint routing

In the 6.0 and beta versions, the word "application" has been replaced with "applications" in the following endpoints:

- `/api/data/{version}/db/{dbld}/applications/{idguid}/admin/privileges`
- `/api/data/{version}/db/{dbld}/applications/{idguid}/admin/privileges/add`
- `/api/data/{version}/db/{dbld}/applications/{idguid}/admin/privileges/remove`