



Plugin SDK

Date: 24.08.2023

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1. Overview

With the SDK, the functions of Green-Solutions can be integrated into your own applications.

2. Note

A session is valid for a maximum of 2 hours.

3. Conditions

You need a member account with Green Solutions.

The software company that implements the interface must have a "VendorKey" for authorisation with the web service. This must be requested from Green Solutions.

4. How it works

The SDK provides all functions and GUI elements and can be called and controlled via an included DLL.

The plugin is installed by a setup at the customer and can be localised by your software via a special registry key:

HKLM\Software\Green-Solutions\PlantPrintPlugin\SDK

This DLL must then be linked by the software.

Updates etc. are carried out automatically by the plugin.

Note: If the registry key is not available, the functionality does not need to be offered.

5. Error handling

In the event of an error, error codes are returned.

6. Initialisation

In order to use the functions of the web service, the Vendorkey of the software company must be transferred and the plugin must be installed.

Function

```
void PD_Init(string vendor);
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
vendor	string	Necessary	Unique Vendor Key

7. Deinit

You can end the session with this method.

Function

```
void PD_Destroy();
```

8. Change language

You can change the language with this method.

Function

```
void PD_SetLanguage(string value)
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
Value	string	Necessary	Language ("en" or "en-US")

9. Set host

You can change the host platform with this method.

Function

```
void PD_SetHost(string host);
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
host	<code>string</code>	Necessary	No longer in use

10. Set parent window

With this method you can set the parent window.

Function

```
void PD_SetParentWindow(HWND hParent);
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
hParent	<code>HWND</code>	Necessary	Handle of the parent windows

11. Add PDF output

Add a PDF that is automatically created after the signage is completed.

Function

```
void PD_AddOutputPdf(string sFilename);
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
sFilename	<code>string</code>	Necessary	Output path for signage as PDF

12. Add picture output

Add a picture that is created when a picture is purchased.

Function

```
void PD_AddOutputPhoto(string sFilename);
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
sFilename	string	Necessary	Output path for the picture

13. Add image output

Add an image that will be automatically created after the signage is completed.

Function

```
void PD_AddOutputThumbnail(string sFilename, int width, int height, bool proportionalSmallest);
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
sFilename	string	Necessary	Output path for signage as an image
Width	int	Necessary	Width of the image in pixels
Height	int	Necessary	Height of the image in pixels
proportionalSmallest	bool	Necessary	Should the image be scaled proportionally on the longest or shortest side

14. Add metadata output

Add a file that contains all information about the signage in Json format. With the help of this file, all information can be read out and managed by the user.

Function

```
void PD_AddOutputMetaData(const wchar_t* sFilename);
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
sFilename	string	Necessary	Output path for the metadata file

15. Add key

There are various keys that are added and that predefine the input of the signage. This makes it possible, for example, to transfer the price or other parameters.

Function

```
void PD_AddKey(string* sName, string* sValue);
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
sName	string	Necessary	Name of the key (Complete list at the end of this document)
sValue	string	Necessary	Value

Which keys are actually used on the sign depends on the type of signage and the template selected. Not all templates contain all fields.

16. New signage

Calls the wizard and allows a new signage to be entered.

Function

```
BOOL PD_CreateProject();
```

Answer

TRUE(1) if it worked otherwise FALSE(0)

17. Edit existing signage

Calls the wizard and allows an existing signage to be edited.

Function

```
BOOL PD_EditProject(long ID);
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
ID	long	Necessary	ID of the signage to be edited

Answer

TRUE(1) if it worked otherwise FALSE(0)

18. Edit existing signage and create new beforehand

Creates the new signage with the data that was transferred. Only then is the wizard called and allows the existing signage to be edited.

Function

```
BOOL PD_RecreateAndEditProject(long ID);
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
ID	long	Necessary	ID of the signage to be edited

Answer

TRUE(1) if it worked otherwise FALSE(0)

19. Query ID of signage after CreateProject

Returns the ID of the entered signage (required for EditProject).

Function

```
long PD_GetSignageID();
```

Answer

ID of the newly entered or edited signage

20. Query name of signage after CreateProject

Returns the name of the entered signage (to display).

Function

```
string PD_GetSignageName();
```

Answer

Name of the newly entered or edited signage

21. Cancel Wizard

Cancels the Wizard for new entry or editing.

Function

```
void PD_Abort();
```

22. Call user data dialogue

Calls the dialogue that allows the user to change his or her logged-in user

Function

```
void PD_ PD_UserLoginDialog();
```

23. Purchase pictures

Calls up the picture search with the option to buy and download them directly

Attention:

Since the customer can purchase multiple pictures, this function delivers a new output with each purchase (see PD_AddOutputPhoto)!

The files are numbered consecutively.

Function

```
BOOL PD_SelectPhoto(const wchar_t* sName);
```

Explanation of the parameters

The following parameters are expected:

Parameter	Data type	Information	Description
sName	string	Optional	Search text according to which the pictures are to be filtered

24. Ordering system

Calls the ordering system to place documents in the shopping basket and then order them directly

Function

```
BOOL PD_OrderSystem();
```

25. Printing system

Calls the printing system to print documents directly

Function

```
BOOL PD_PrintSystem();
```

26. Project management

Calls the document management.

Function

BOOL PD_PrintProjects();

27. Key

Name	Value
Name	Name of the plant or products
Text	Text
Price	Price
PriceOld	Original price
PrintUnit	Price basis
PriceBase	Base price
PotSize	Pot size
Plantgroup	Plant group
Slogan	Slogan (from our advertising)
Tease	Teaser (hardy)
ShowEAN	Display EAN (1/0)
ShowQR	Display QR (1/0)
EAN	EAN-Code
ForceLogin	User data is requested again
DescriptionHtml	A description field with html formatting

28. Screenshots

28.1 Type of signage

← Neue Beschilderung

×

1. Typ

2. Vorlage

3. Format

Angebotsschild

Wählen

Hinweisschild

Wählen

Schlaufenetikett

Wählen

Stecketiketten

Wählen

Themenschilder

Wählen

Weiter >

28.2 Select template


← Neue Beschilderung

×

1 Typ

2 Vorlage


3 Format



Da blüh ich auf

Standard 1

Wählen



Staffelpreise

Mit Staffelpreisen

Wählen

← Zurück

Weiter →

28.3 Select format

← Neue Beschilderung

×

1 Typ

2 Vorlage

3 Format

DINA4

DINA4

Wählen

← Zurück

Erstellen →

28.4 Select product

← Neue Beschilderung

×

1 Typ

2 Vorlage

3 Format

4 Artikel

✕

ac pal bl

Suchen

↺

Einträge 4/50

Acer palmatum 'Bloodgood' (Fächerahorn 'Bloodgood')

Q

Wählen

Acer palmatum 'Bloodgood', Stamm (Fächerahorn 'Bloodgood')

Q

Wählen

Brassica oleracea var. **acephala** 'Black Magic' (Toskanischer **Palmkohl** 'Black Magic')

Q

Wählen

Acer palmatum 'Oridono nishiki' (Buntblättriger Fächerahorn 'Oridono nishiki')

Q

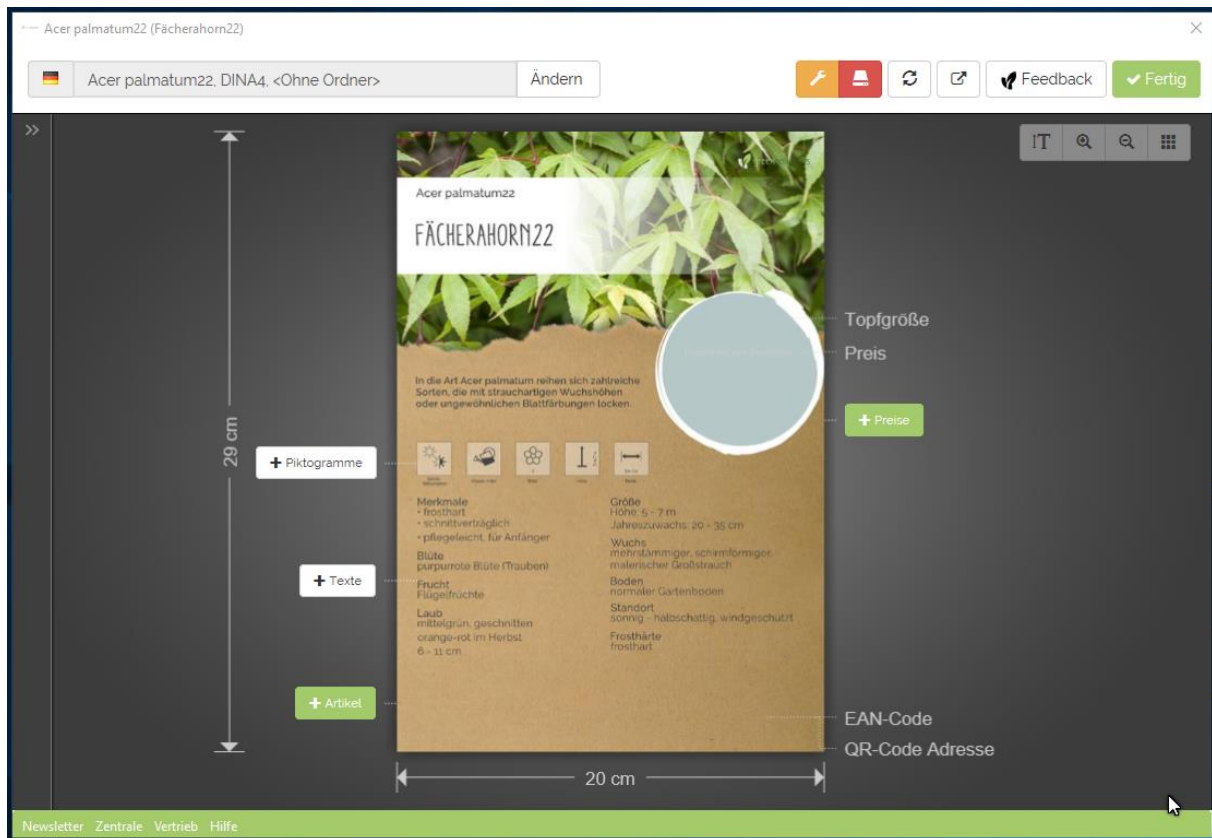
Wählen

Suchen Sie nach einem Artikel oder erstellen Sie eine Beschilderung mit einem eigenen Produkt oder Pflanze

← Zurück

Erstellen →

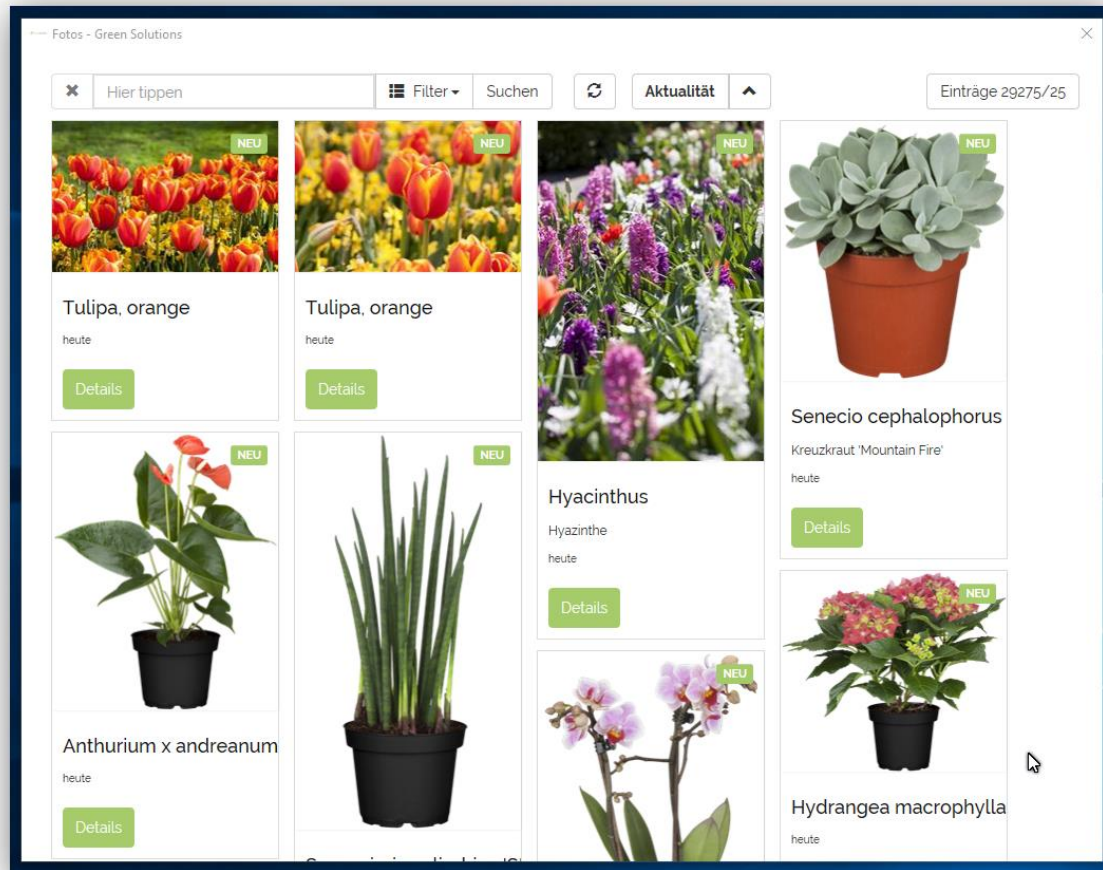
28.5 Editor (standard)



28.6 Editor (extended)



28.7 Picture search



28.8 Detail view

Hyacinthus (GS514781.jpg)


Hyacinthus


Hyazinthe

rosa | weiß | lila | © Green-Solutions | Bildnummer 514781 | heute

Hyacinthus Nahaufnahme Outdoor Zwiebel- und Knollenpflanzen

Web	Web + Print
1872 x 2808 px (31.7 x 47.5 / 150 dpi)	3744 x 5616 px (31.7 x 47.5 / 300 dpi)
150 dpi	300 dpi
RGB	RGB
<input type="checkbox"/> Miete uneingeschränkte Nutzung für 1 Jahr 4,50 € / Jahr	<input type="checkbox"/> Miete uneingeschränkte Nutzung für 1 Jahr 9,50 € / Jahr
<input type="checkbox"/> Kauf Unbeschränkte Nutzung 14,50 €	<input type="checkbox"/> Kauf Unbeschränkte Nutzung 29,50 €

 **Sofort bestellen und herunterladen**



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Schließen

28.9 Ordering system

Bestellsystem

×

Suchen

↺

Einträge 945/10

Name	Info	Bestellen
Abies balsamea 'Nana' <i>Niedere Balsamtanne 'Nana'</i>	Angebotsschild, DIN A4	<input type="text" value="0"/> ▾
Abies koreana 'Molli' <i>Kompakte Koreatanne 'Molli'</i>	Angebotsschild, DIN A4	<input type="text" value="0"/> ▾
Abies koreana 'Molli' <i>Kompakte Koreatanne 'Molli'</i>	Preisschild, DIN A4	<input type="text" value="0"/> ▾
Abies koreana 'Molli' <i>Kompakte Koreatanne 'Molli'</i>	Sortenschild, DIN A4	<input type="text" value="0"/> ▾
Abies koreana 'Molli' <i>Kompakte Koreatanne 'Molli'</i>	Preisschild, DIN A4	<input type="text" value="0"/> ▾
Abies koreana 'Molli', Floragard Blumenerde <i>Kompakte Koreatanne 'Molli', Gebrauchsfertige Allround-Erde für Zimmer-, Balkon- und Kübelpflanzen</i>	Preisschild, DIN A4	<input type="text" value="0"/> ▾
Acer <i>Ahorn</i>	Angebotsschild, DIN A4	<input type="text" value="0"/> ▾

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1

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95

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In den Warenkorb + kaufen

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Newsletter Zentrale Vertrieb Hilfe

28.10 Printing system

Drucksystem

×

Suchen

↺

Einträge 945/10

Name	Info	Anzahl
Abies balsamea 'Nana' <i>Niedere Balsamtanne 'Nana'</i>	Angebotsschild, DIN A4	<input type="text" value="0"/> ▼
Abies koreana 'Molli' <i>Kompakte Koreatanne 'Molli'</i>	Angebotsschild, DIN A4	<input type="text" value="0"/> ▼
Abies koreana 'Molli' <i>Kompakte Koreatanne 'Molli'</i>	Preisschild, DIN A4	<input type="text" value="0"/> ▼
Abies koreana 'Molli' <i>Kompakte Koreatanne 'Molli'</i>	Sortenschild, DIN A4	<input type="text" value="0"/> ▼
Abies koreana 'Molli' <i>Kompakte Koreatanne 'Molli'</i>	Preisschild, DIN A4	<input type="text" value="0"/> ▼
Abies koreana 'Molli', Floragard Blumenerde <i>Kompakte Koreatanne 'Molli'; Gebrauchsfertige Allround-Erde für Zimmer-, Balkon- und Kübelpflanzen</i>	Preisschild, DIN A4	<input type="text" value="0"/> ▼
Acer <i>Ahorn</i>	Angebotsschild, DIN A4	<input type="text" value="0"/> ▼

«

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4

5

...

95

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28.11 Project management

Projektverwaltung

Filter
Suchen
Relevanz
Einträge 1044/25

☐ Alle markieren

Acer palmatum22

Fächerahorn22

Preisschild, DINA4

Herr Alexander Kelm

Cornus kousa

Japanischer Blumen-Hartriegel

Preisschild, DINA4

Herr Alexander Kelm

Calluna vulgaris 'S...

Besenheide 'Schneewittchen'

Angebotschild, DINA5

Herr Falko Schieffer

Rhododendron 'Pe...

Rhododendron 'Peppermint'

Preisschild, DINA4

Herr Alexander Kelm

GAZANIE

Gazania rigens, orangefarben

Newsletter
Zentrale
Vertrieb
Hilfe

28.12 Checkout

Kasse

1. Bestellübersicht









2. Adresse

3. Bezahlart

4. Prüfen & Bestätigen

5. Anmerkungen

6. Fertig


<input type="checkbox"/>	Artikel	Beschreibung	Einzelpreis	Menge	MwSt.	Gesamtpreis	
<input type="checkbox"/>	 Abies balsamea 'Nana' Niedere Balsamtanne 'Nana' Artnr.: S83_1	Kunststoff, . DINA4	0.89 €	17	19,00%	18,00 €	
<input type="checkbox"/>	 Abies koreana 'Molli' Kompakte Koreatanne 'Molli' Artnr.: S1643_1	Kunststoff, . DINA4	0.89 €	20	19,00%	21,18 €	
<input type="checkbox"/>	 Abies koreana 'Molli' Kompakte Koreatanne 'Molli' Artnr.: S1619_1	Kunststoff, . DINA4	0.89 €	30	19,00%	31,77 €	
<input type="checkbox"/>	 Abies koreana 'Molli', Floragard Blumenerde Kompakte Koreatanne 'Molli'. Gebrauchsfertige Allround-Erde für Zimmer-, Balkon- und Kübelpflanzen Artnr.: S1657_1	Kunststoff, . DINA4	0.89 €	1	19,00%	1,06 €	
						Summe Artikel (netto)	60,52 €
						zzgl. MwSt. 19%	11,49 €
						Versandkosten	6,90 €
						zzgl. MwSt. 19%	1,31 €
						Gesamtsumme	80,22 €
						zzgl. Versandkosten	

Newsletter

Zentrale

Vertrieb

Hilfe

Weiter 

29. Example calls

29.1 Signage

```
PD_Init(L"gs");
PD_AddOutputPdf(L"c:\\temp\\output.pdf");
PD_AddOutputThumbnail(L"c:\\temp\\output100.png",100,100,true);
PD_AddOutputThumbnail(L"c:\\temp\\output600.png",600,600);*/
PD_AddKey(sKeyPrice,L"19,99 €");
PD_AddKey(sKeyShowQR,L"1");
PD_AddKey(sKeyName,L"Nova zembla");
PD_EditProject(12042);
long projectID = PD_GetSignageID();
const wchar_t* sName = PD_GetSignageName();

PD_Destroy();
```

29.2 Picture - Purchase

```
PlantPrintSDKWrapper.PD_Init("gs");

// Set to Beta Version
PlantPrintSDKWrapper.PD_SetHost("http://stage.app.green-solutions.net/");

PlantPrintSDKWrapper.PD_SetHost("http://stage.app.green-solutions.net/");
PlantPrintSDKWrapper.PD_AddOutputPhoto(System.IO.Path.Combine(@"c:\temp\", "output"));
PlantPrintSDKWrapper.PD_SelectPhoto("Gelbe Orchideen");
PlantPrintSDKWrapper.PD_Destroy();
```