Sage 300 Web Screens SDK

Web Screen Customization Manifest JSON File Specifications

August 2022

The MIT License (MIT)

Copyright © 2018-2022 The Sage Group plc or its licensors. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the “Software”), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED “AS IS”, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Contents

[1. Overview 4](#_Toc487556984)

[2. Manifest JSON File Specifications 5](#_Toc487556985)

[3. Sample Manifest JSON File 11](#_Toc487556986)

1. Overview

A Sage 300 web screen customization package will include a Manifest.json file to describe the customization package. This document specifies the format and rules for each element specified in the manifest JSON file.

1. Manifest JSON File Specifications

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Manifest JSON File Element Name** | **Element Tag Name** | **Element Level** | **Required Element (Y/N)** | **Requirements** |
| Business Partner Name | BusinessPartnerName | 1 | Y | Mandatory   * Up to 60 alphanumeric characters   Examples:  "BusinessPartnerName" : "ISV1" |
| Customization Package ID | PackageId | 1 | Y | Mandatory   * Must be unique * Must be a GUID value * Up to 36 alphanumeric characters   Examples:  "PackageId": "21EC2020-3AEA-4069-A2DD-08002B30309D" |
| Customization Package Name | Name | 1 | N | Optional, but if specified:   * Must be alphanumeric characters * For information purpose only   Examples:  "Name": "ISV-Customization" |
| Customization Package Description | Description | 1 | Y | Mandatory   * Up to 255 alphanumeric characters   Examples:  "Description": "ISV1's customization for the web screens" |
| Customization Package File Version | Version | 1 | N | Optional, but if specified:   * Up to 18 alphanumeric characters   Examples:  "Version": "1.0" |
| Sage 300 Product Compatibility Information | SageCompatibility | 1 | N | Optional, but if specified:   * Must be alphanumeric characters * For information purpose only   Examples:  "SageCompatibility" : "6.6A+" |
| Customization License and Agreement File Name | EULA | 1 | N | Optional, but if specified:   * The value is the License and Agreement File name * Must be alphanumeric characters * The License File must be included in the customization package   Examples:  “EULA”: “LicenseAgreement.pdf” |
| Bootstrapper XML File Name | Bootstrapper | 1 | N | Optional, but if specified:   * The value is the Bootstrapper XML file name * The Assembly element must also be specified * Bootstrapper XML file and Assembly files are generated if there is server side code implemented for the web screen customization * Bootstrapper XML file and Assembly files must be included in the customization package   Examples:  "Bootstrapper": "ISV1CUBootstrapper.xml" |
| Assembly DLL File Name | Assembly | 1 | N | Optional, but if specified:   * The value is the Assembly DLL files name * The Bootstrapper element must also be specified * Bootstrapper XML file and Assembly files are generated if there is server side code implemented for the web screen customization * Bootstrapper XML file and Assembly files must be included in the customization package   Examples:  "Assembly": "ISV1.Web.dll"    Or  "Assembly": "ISV1.\*.dll" |
| List of Customized Web Screen Specifications (Parent Element) | WebScreens | 1 | Y | Mandatory   * Requires at least one child element |
| Customized Web Screen Name | ScreenName | 2 | Y | Mandatory   * Up to 60 alphanumeric characters   Examples:  "ScreenName": "OrderEntry\_Custom" |
| Customized Web Screen Description | ScreenDescription | 2 | Y | Mandatory   * Up to 255 alphanumeric characters   Examples:  "ScreenDescription": "OrderEntry\_Custom Description" |
| Sage 300 Web Screen Category Name | Category | 2 | Y | Mandatory   * Up to 36 alphanumeric characters * The value must match the Sage 300 Web Screen Category Name specified in the {screen\_name}\_Settings.xml template file generated from Sage 300 Web UI Customization Wizard   Examples:  "Category": "Transactions" |
| Sage 300 Web Screen Name | TargetScreen | 2 | Y | Mandatory   * Up to 36 alphanumeric characters * The value must match the Sage 300 Web Screen Name specified in the {screen\_name}\_Settings.xml template file generated from Sage 300 Web UI Customization Wizard   Examples:  "TargetScreen": "OrderEntry" |
| Customized Web Screen Control Configuration XML File | ControlsConfiguration | 2 | N | Mandatory if ControlsBehavior is not specified  If it’s specified:   * The value is the Control Configuration XML file name. * Must be alphanumeric characters * The Control Configuration XML file must be included in the package * This element is required only if there are new controls to be added to the customized web screen and the controls are specified in the {screen\_name}\_Settings.xml File * The Control Configuration XML file template {screen\_name}\_Settings.xml is automatically generated by Sage 300 Web UI Customization Wizard   Note:  Examples:  "ControlsConfiguration": "OrderEntry\_Settings.xml" |
| Customized Web Screen Control Behavior Javascript File | ControlsBehavior | 2 | N | Mandatory if ControlsConfiguration is not specified  If it’s specified:   * The value is the Control Behavior Javascript file name. * Must be alphanumeric characters * The Control Behavior Javascript file must be included in the package * This element is required only if the {screen\_name}\_Customization.js file is implemented to support changing behaviour of existing controls or adding logic to new controls on the customized web screen * The Control Behavior Javascript file template {screen\_name}\_Customization.js is automatically generated by Sage 300 Web UI Customization Wizard.   Examples:  "ControlsConfiguration": "OrderEntry\_Customization.js" |
| Customized Web Screen Module | Module | 2 | N | Optional, if is specified:   * Must be a two-character module product prefix.   Examples:  "Module": "OE" |

1. Sample Manifest JSON File

Manifest.json

