Sage 300 Web Screens SDK

Web Screen Customization Manifest JSON File Specifications

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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 elements 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" : "6.4A+" |
| 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’re 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’re 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 Name | TargetScreen | 2 | Y | Mandatory   * Up to 36 alphanumeric characters * The value must match the Sage 300 Web Screen Name specified in {screen\_name}\_Settings.xml template file generated from Sage 300 Web UI Customization Solution 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’re new controls to be added to the customized web screen and the controls are specified in {screen\_name}\_Settings.xml File * The Control Configuration XML file template {screen\_name}\_Settings.xml is automatically generated by Sage 300 Web UI Customization Solution 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 Solution Wizard.   Examples:  "ControlsConfiguration": "OrderEntry\_Customization.js" |
| Customized Web Screen Module | Module | 2 | N | Optional, if is specified:   * Must be two character module product prefix.   Examples:  "Module": "OE" |

1. Sample Manifest JSON File

Manifest.json

