Data8 PredictiveAddress and Data Validation

*Note: This integration* ***does******not******apply validation to the checkout****.*

*A Shopify Plus subscription is required to integrate our services with the checkout page, as only Plus members can edit the checkout theme file. If you are a Shopify Plus member, paste the code below in the ‘checkout.liquid’ theme file to add validation to your checkout. It is* ***strongly recommended*** *that this is* ***tested before being used in a production environment****.*

# Installation Instructions:

1. From the admin area of your site, on the left side menu, select ‘Online Store’ > ‘Themes’.
2. In the ‘Live theme’ section, open the ‘Actions’ dropdown and select ‘Edit code’.
3. Copy the following code into the ‘theme.liquid’ file of your store’s theme. If you have shopify plus, paste it in your ‘checkout.liquid’ file also.

<!-- Data8 Custom Validation Code -->  
<script type="text/javascript">  
 if (typeof data8 === "undefined")  
 window.data8 = function () { };

// Client-side API Key  
 data8.clientAPIKey = '<your-api-key-here>';  
  
 // Configuration Settings Here  
  
</script>  
{{ 'https://webservices.data-8.co.uk/javascript/shopify.js' | script\_tag }}  
<!-- /Data8 Custom Validation Code -->

1. Replace '<your-api-key-here>' with your Data8 client-side API key from the Data8 Dashboard.
2. Configure the validation settings to suit your needs. The available options are in the ‘Configuration Options’ section below.

## Configuration Options

The following options are available to use with the Shopify integration. They should be entered as variables i.e. ‘ [option\_name] = [option value];’:

|  |  |  |  |
| --- | --- | --- | --- |
| **Option** | **Description** | **Expected Values** | **Default Value** |
| data8.useOnChange | Perform validation on data entry (true) or form submission (false) | true, false | false |
| data8.usePredictiveAddress | Enable PredictiveAddress (Autocomplete) | true, false | false |
| data8.predictiveAddressOptions | Enter options for the PredictiveAddress service. (A list of options can be found [here](https://www.data-8.co.uk/resources/code-samples/predictiveaddress/#AdvancedOptions).) | {  <option>:<option\_value>, <option>:<option\_value>  …  } | {} |
| data8.useSalaciousName | Enable Unusable Name Validation | true, false | false |
| data8.emailValidationLevel | Enable Email validation by setting a level to validate at. | ‘Syntax’, ‘MX’ (Domain), ‘Server’, ‘Address’ | ‘’ |
| data8.usePhoneValidation | Enable Phone Validation | true, false | false |
| data8.defaultCountryCode | The ISO 2-character country code or international dialling code of the country to validate the telephoneNumber in, unless that number contains an explicit country code prefix. | e.g. ‘GB’ or ‘44’ | ‘’ |
| data8.useInternationalTelephoneFormatting | Apply international formatting to numbers after validating them. | true, false | false |

## Custom Field Integration

Use the following options to apply validation or PredictiveAddress to custom fields that are not automatically detected by our integration.

|  |  |  |  |
| --- | --- | --- | --- |
| **Option** | **Description** | **Expected Values** | **Default Value** |
| data8.customEmailFields | An array of field id’s to apply email validation to. | [‘<field\_id>, <field\_id>’] | [] |
| data8.customPhoneFields | An array of field id’s to apply telephone validation to. | [‘<field\_id>, <field\_id>’] | [] |
| data8.customNameFields | An array of field id’s to apply name validation to. | [‘<field\_id>, <field\_id>’] | [] |
| data8.customAddressFields | An array of objects containing field id’s to attach PredictiveAddress to. | See the example below. | [] |

Example of ‘data8\_customAddressFields’ option value:

[  
 { element: 'company\_FieldId', field: 'organisation' },  
 { element: 'street\_1\_FieldId', field: 'line1' },  
 { element: 'street\_2\_FieldId', field: 'line2' },  
 { element: 'city\_FieldId', field: 'town' },  
 { element: 'region\_FieldId', field: 'county' },  
 { element: 'zip\_FieldId', field: 'postcode'},  
 { element: 'country\_FieldId', field: 'country'},  
]

Example Integration for Telephone Validation:

<!-- Data8 Custom Validation Code -->  
<script type="text/javascript">  
 if (typeof data8 === "undefined")  
 window.data8 = function () { };

// Client-side API Key  
 data8.clientAPIKey = 'XXXX-XXXX-XXXX-XXXX';  
  
 // Configuration Settings Here  
 data8.usePhoneValidation = true;  
 data8.defaultCountryCode = '44';  
 data8.customPhoneFields = ['myCustomField\_1'];  
</script>  
{{ 'https://webservices.data-8.co.uk/javascript/shopify.js' | script\_tag }}  
<!-- /Data8 Custom Validation Code -->