



## Chapter 2

# How to Add a Custom Form

from ADP Marketplace Validation and Adding a Custom Field to Checkout Guide

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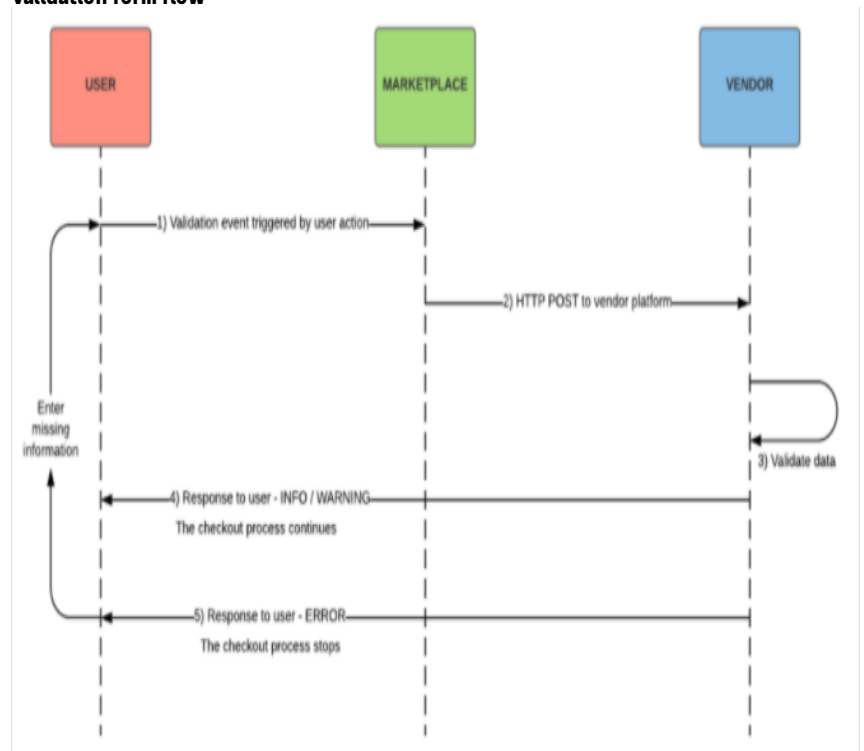


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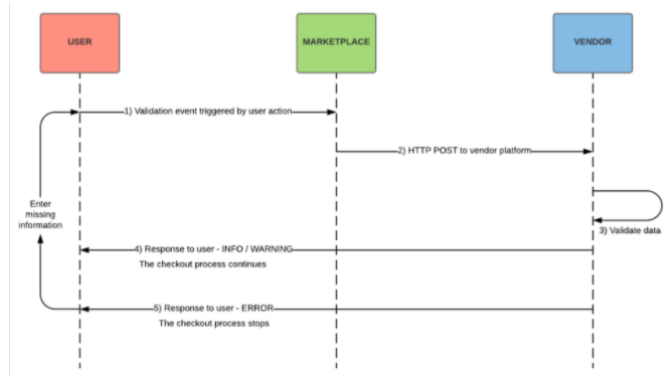
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## Chapter 2

# How to Add a Custom Form

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## Steps to Add a Custom Form

1. Log in to ADP Marketplace using your developer credentials and edit your application. Navigate to **Integration > Edit Integration**
2. To create a new form, click the



button under **Subscription Create Notification URL**.

### Edit Integration

### Configuration

The screenshot shows the 'Edit Integration' configuration page. The 'Form Content' section is expanded, showing the following fields and settings:

- Form Title:** Account ID (Annotation A points to this field)
- Form Description:** This is the account ID found in the configuration page of your MKPL test application (Annotation B points to this field)
- Input Code:** Account ID (Annotation C points to this field)
- Input Title:** Account ID (Annotation C points to this field)
- Input Descriptor:** Your company's Account ID (Annotation D points to this field)

Other settings visible include 'Validation and error messaging' (checked), 'Product Settings Validation URL' (https://mkpl-test-free-beeceptor.com/valida), and 'Display check button to customers to validate input before they can continue with checkout' (checked).

3. The image below shows what the customer would see during the purchase process.



4. You can choose to post and validate the customer's input before proceeding to the next screen. To enable this feature, set the **Validate and error messaging** toggle switch to ON. The validation and error messaging configuration pane will appear.
  1. Enter the endpoint URL where the form data will be posted.
  2. Select the **Display check button to customers to validate input before they can continue with checkout** checkbox if you want to validate the form data before the customer can proceed to the next screen.
  3. In the body of the call to your endpoint will be the **Input Code** you setup and the value the client entered. **Example (Account\_ID=12345)**.
5. The Validation URL must provide response with **Status Code: 200 OK**, with the appropriate JSON object indicating result of the request. The value for "field" must match the Input Code you created previously when setting up the form in the listing setup.

#### Success

```
{
  "result":
  [
    {
      "field": "Account_ID",
      "title": "Valid Account ID",
      "description": "The account id is valid!",
      "level": "INFO"
    }
  ]
}
```

#### Warning

```
{
  "result":
  [
    {
      "field": "Account_ID",
      "title": "WARNING",
      "description": "WARNING your company's account is suspended!",
      "level": "WARN"
    }
  ]
}
```

#### Error

```
{
  "result":
  [
    {
      "field": "Account_ID",
      "title": "Invalid Account ID",
      "description": "You have entered an invalid Account ID!",
      "level": "ERROR"
    }
  ]
}
```

6. Below is the behavior of Marketplace for different levels when it's used by your responses:
  1. **WARN** - There are issues with the content user provided, but they will be allowed to proceed with the purchase.
  2. **ERROR** - There are issues with the content user provided, and they will not be allowed to proceed with the purchase, unless they correct the content



## Info

The Input Code and the value the client entered will be part of your **Subscription Payload** as well as your **Subscription Change Payload**. See example of a Subscription Payload below:

```
<payload>
  <company>
    <country>US</country>
    <externalId>FFFFFFFFFFFFFFFF</externalId>
    <name>ADP</name>
    <uuid>699da487-d17c-403e-90b7-aac7fb3e1d48</uuid>
  </company>
  <configuration>
    <entry>
      <key>Account_ID</key>
      <value>123456</value>
    </entry>
    <entry>
      <key>applicationID</key>
    </entry>
    <entry>
      <key>associateOID</key>
      <value>G38R42EFR5BA6FB3</value>
    </entry>
    <entry>
      <key>organizationOID</key>
      <value>FFFFFFFFFFFFFFFF</value>
    </entry>
  </configuration>
  <order>
    <editionCode>Recurring</editionCode>
    <pricingDuration>MONTHLY</pricingDuration>
    <freeTrial>
      <active>false</active>
    </freeTrial>
    <customAttributes/>
  </order>
</payload>
</event>
```

7. The Product Settings Validation URL does not leverage any authentication. It does not require OAuth1.0 signature verification or sending them in the response header.
8. The custom form will appear on every edition of your application listing.
9. If you are not getting the initial call to your endpoint it could be your firewall blocking the call. Make sure to Whitelist the IPs in this [Article](#).

## Frequently Asked Questions

1. How does the validation code in the AppDirect handle a response of 403 or 500s? What if an partner's service is down temporarily for maintenance. What would the subscription process do if it were to receive a 500 or a 501?  
**Ans:** Any status other than a 200 status will let the customer being stuck during the checkout flow i.e. if we get a response code other than 200 OK then the checkout flow will not be completed.
2. What does a WARNING message from the partner application do to the subscription process?  
**Ans:** It simply displays a warning message in the UI, it does not prevent the user from continuing.
3. When would you want to use a "Warning" ?  
**Ans:** It really depends on the use case of an partner. Probably one we can think of :optional value, not required during the subscription, but may block some features when using the partner application or integration until a value is provided. So, this value may be provided later in the future
4. How the request is made to a partner's validation endpoint  
**Ans:** Marketplace ----HTTP POST x-www-form-urlencoded----> ISV. The Input Code and value the client entered for it will be in the body of the post.

