



Inteflow

Release Notes

Version 5 Initial Release

10 FEBRUARY 2017

Contents

Version 5 – Release Details	3
Changes Implemented	3
Change Impact Assessment	3
web.config Changes Required.....	4
UX	8
Product Variants	8
Other Product Development Change Requests	11

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Version 5 – Release Details

These notes apply to the initial release of Inteflow V5. This represents work completed over several sprints. The links provided will navigate to the request on Jira for more details.

Job-Tracker: 1186BD1A08

Changes Implemented

Issue Type:

Story: This is core change request , or product enhancement

Issue: A issue raised on Job tracker or directly with the core team

Epic: An Epic is a collection of stories that are worked together to achieve a greater change request.

Please note a list of the technical file changes is logged against each request on Jira.

CHANGE IMPACT ASSESSMENT

PDR-1133 — .NET 4 iFrames have been converted to System.Web.UI.HtmlControls.HtmlIframe in order to be compatible with .NET 4.6.1.

Old custom controls using the HTMLGenericControl are now incompatible, and must be converted before the deployment of the release.

PDR-258 — The "bfnAddSchemaNode()" function will now use the same, updated codebase irrespective of whether an xpath is provided to replace matching nodes.

NOTE that the "new" codebase will append the node to the end of the parent node if the node is not found in the schema. This differs from the old functionality which would not have added the node at all (resulting in loss of the data).

There is a possibility that this would cause a schema issue on submit, however, there should be no reason to have been relying on this outcome and the expectation is that there should be no issues.

A schema update for the client would be required if it was found that they are experiencing issues due to a missing element in the schema.

WEB.CONFIG CHANGES REQUIRED

As part of the release of Inteflow 5, several changes need to be made in the web.config files of the solution. Licensed clients should follow the instructions below in order to ensure compatibility with the deployment of Inteflow 5. A sample config file can be found below, which you can use as a guide to editing your web.config.



Example Web.config

Integrate\web.config

Add new Razor SectionGroup

```
<configuration>
  <configSections>
    <sectionGroup name="system.web.webPages.razor"
type="System.Web.WebPages.Razor.Configuration.RazorWebSectionGroup,
System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35">
      <section name="host"
type="System.Web.WebPages.Razor.Configuration.HostSection,
System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" requirePermission="false" />
      <section name="pages"
type="System.Web.WebPages.Razor.Configuration.RazorPagesSection,
System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" requirePermission="false" />
    </sectionGroup>
  </configSections>
</configuration>
Update target framework to 4.6.1
<configuration>
  <system.web>
    <compilation debug="false" targetFramework="4.6.1">
    </compilation>
  </system.web>
</configuration>
```

Update compilation assemblies

```
<configuration>
  <system.web>
    <compilation debug="false" targetFramework="4.6.1">
      <assemblies>
        <add assembly="System.Web.Abstractions, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
        <add assembly="System.Web.Routing, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
      </assemblies>
    </compilation>
  </system.web>
</configuration>
```

```
<add assembly="System.Web.WebPages, Version=2.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
<add assembly="System.Web.Mvc, Version=5.2.3.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
<add assembly="System.Core, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=b77a5c561934e089" />
<add assembly="System.Web.Helpers, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" />
</assemblies>
</compilation>
</system.web>
</configuration>
```

Update page namespaces

```
<configuration>
<system.web>
<pages controlRenderingCompatibilityVersion="4.0">
<namespaces>
<add namespace="System.Web.Mvc" />
<add namespace="System.Web.Mvc.Ajax" />
<add namespace="System.Web.Mvc.Html" />
<add namespace="System.Web.Routing" />
<add namespace="Integrate.Helpers" />
<add namespace="System.Web.Helpers" />
<add namespace="XTR00D.Models" />
</namespaces>
</pages>
</system.web>
</configuration>
```

Add the following razor section

```
<configuration>
<system.web.webPages.razor>
<host factoryType="System.Web.Mvc.MvcWebRazorHostFactory, System.Web.Mvc,
Version=5.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
<pages pageBaseType="System.Web.Mvc.WebViewPage">
<namespaces>
<add namespace="System.Web.Mvc" />
<add namespace="System.Web.Mvc.Ajax" />
<add namespace="System.Web.Mvc.Html" />
<add namespace="System.Web.Optimization" />
<add namespace="System.Web.Routing" />
```

```

    <add namespace="System.Web.Helpers" />
    <add namespace="XTR00D.Models" />
  </namespaces>
</pages>
</system.web.webPages.razor>
</configuration>

```

Update runtime assembly bindings

```

<configuration>
  <runtime>
    <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
      <dependentAssembly>
        <assemblyIdentity name="System.Web.Helpers"
publicKeyToken="31bf3856ad364e35" />
        <bindingRedirect oldVersion="1.0.0.0-3.0.0.0" newVersion="3.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Web.WebPages"
publicKeyToken="31bf3856ad364e35" />
        <bindingRedirect oldVersion="0.0.0.0-3.0.0.0" newVersion="3.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Web.Razor" publicKeyToken="31bf3856ad364e35"
culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-3.0.0.0" newVersion="3.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Web.WebPages.Razor"
publicKeyToken="31bf3856ad364e35" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-3.0.0.0" newVersion="3.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="WebGrease" publicKeyToken="31bf3856ad364e35"
culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-1.5.2.14234" newVersion="1.5.2.14234"
/>
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Web.Mvc" publicKeyToken="31bf3856ad364e35"
/>
        <bindingRedirect oldVersion="1.0.0.0-5.2.3.0" newVersion="5.2.3.0" />
      </dependentAssembly>
    </assemblyBinding>
  </runtime>
</configuration>

```

Integrate\Views\web.config

Use the config file below to overwrite the entire contents of the file in the Integrate\Views\web.config location.

```
<?xml version="1.0"?>

<configuration>
  <configSections>
    <sectionGroup name="system.web.webPages.razor"
type="System.Web.WebPages.Razor.Configuration.RazorWebSectionGroup,
System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35">
      <section name="host"
type="System.Web.WebPages.Razor.Configuration.HostSection,
System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" requirePermission="false" />
      <section name="pages"
type="System.Web.WebPages.Razor.Configuration.RazorPagesSection,
System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" requirePermission="false" />
    </sectionGroup>
  </configSections>

  <system.web.webPages.razor>
    <host factoryType="System.Web.Mvc.MvcWebRazorHostFactory, System.Web.Mvc,
Version=5.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
    <pages pageBaseType="System.Web.Mvc.WebViewPage">
      <namespaces>
        <add namespace="System.Web.Mvc" />
        <add namespace="System.Web.Mvc.Ajax" />
        <add namespace="System.Web.Mvc.Html" />
        <add namespace="System.Web.Optimization" />
        <add namespace="System.Web.Routing" />
        <add namespace="System.Web.Helpers" />
        <add namespace="XTR00D.Models" />
      </namespaces>
    </pages>
  </system.web.webPages.razor>

  <system.web>
    <httpHandlers>
      <add path="*" verb="*" type="System.Web.HttpNotFoundHandler"/>
    </httpHandlers>
    <globalization culture="auto" uiCulture="auto" />

    <!--
      Enabling request validation in view pages would cause validation to occur
      after the input has already been processed by the controller. By default
```

MVC performs request validation before a controller processes the input. To change this behavior apply the `ValidateInputAttribute` to a controller or action.

```
-->
<pages
  validateRequest="false"
  pageParserFilterType="System.Web.Mvc.ViewTypeParserFilter, System.Web.Mvc,
Version=5.2.3.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35"
  pageBaseType="System.Web.Mvc.ViewPage, System.Web.Mvc, Version=5.2.3.0,
Culture=neutral, PublicKeyToken=31BF3856AD364E35"
  userControlBaseType="System.Web.Mvc.ViewUserControl, System.Web.Mvc,
Version=5.2.3.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35">
  <controls>
    <add assembly="System.Web.Mvc, Version=5.2.3.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" namespace="System.Web.Mvc" tagPrefix="mvc" />
  </controls>
</pages>
</system.web>

<system.webServer>
  <validation validateIntegratedModeConfiguration="false" />

  <handlers>
    <remove name="BlockViewHandler"/>
    <add name="BlockViewHandler" path="*" verb="*" preCondition="integratedMode"
type="System.Web.HttpNotFoundHandler" />
  </handlers>
</system.webServer>
</configuration>
```

UX

Included in Inteflow 5 is a major infrastructure upgrade that lays the groundwork for the deployment of our user experience upgrades. The coming upgrades will introduce a new dashboard and Designer experience, and the full potential of these upgrades is enabled by this release of Inteflow 5. The new UX can be experienced within the Product Variants module.

PRODUCT VARIANTS

Product Variants offers a level of customisation and control over loan products than was previously available in Version 4.

Product Variants allows you to configure 'base' products, and vary key aspects of the product according to application characteristics .

Product Management

A new Product Management screen allows for the creation of Products, Fees, Adjustments and Promotions.

Product Management

Products

Below are the products currently configured. Click on a product to edit it.

Secured Personal Loans

Active

Unsecured Personal Lo...

Active

+ Add a product

Fees

Below are the fees currently configured. Click on a fee to edit it.

Establishment Fee

PPSR Fee

+ Add a fee

In contrast to the current method of configuring different versions of products, wherein a new product was needed for each potential variant, the use of variants allows the same product to modify itself. Application Characteristics can be configured, which are then used to vary the product using a “Variant Matrix”.

Application Characteristics

Code	Name	Type
☒ Gender	Gender	List
☒ Occupation	Occupation	Enumeration

Occupation *

Occupation *

ENUMERATION *

IF Application Schema.xsd *

IF_occupation *

Load

Administration	Administration	Remove
Pension	Pensioner	Remove
Professional	Professional	Remove
Sales	Sales	Remove
Student	Student	Remove
Trade	Trade	Remove

+ Add Value

Code	Name	Type
☒ Score Band	Score	Numeric

+ Add Characteristic Save Return to Administration

Setup Variant Matrix

Score	Variant
>150	Default
0-50	Select Variant
100-150	Select Variant
50-100	Select Variant
Unknown	Select Variant

Cancel Change Characteristics Save

Full product documentation and training will be made available.

OTHER PRODUCT DEVELOPMENT CHANGE REQUESTS

KEY	SUMMARY	COMPONENT/S	RELEASE NOTES
PDR-1133	Iframe Update	AU Screens	Old HTML Generic Controls have been converted to System.Web.UI.HtmlControls.HtmlIframe in order to be compatible with .NET 4.6.1. Old custom controls using the HTMLGenericControl are now incompatible, and must be converted before the deployment of the release.
PDR-258	Update old "bfmAddSchemaNode" function to use new code	Integate	The "bfmAddSchemaNode()" function will now use the same, updated codebase irrespective of whether an xpath is provided to replace matching nodes. POSSIBLE IMPACT: NOTE that the "new" codebase will append the node to the end of the parent node if the node is not found in the schema. This differs from the old functionality which would not have added the node at all (resulting in loss of the data). There is a possibility that this would cause a schema issue on submit, however, there should be no reason to have been relying on this outcome and the expectation is that there should be no issues. A schema update for the client would be required if it was found that they are experiencing issues due to a missing element in the schema.
PDR-858	Branding Upload File to Server filetype options	Integate	The Branding Upload functionality has been upgraded to allow users to upload .ico and .bmp
PDR-1423	New datasources need to be added to Green ID Display xslt	Inteflow Engine	New New Zealand Data sources have been added to the GreenID Display xslt.