

5.0.1.0

Date Released	9 January 2018
Impact Assessment?	<p>We're going up a minor version number! Why?</p> <p>Over the past six months, illion has invested significant time and effort to reinforce Inteflow to the next level of security.</p> <p>These proactive changes ensure that Inteflow remains secure on a variety of different infrastructure configurations, while streamlining back-end methods that will allow our development teams to interact with its components more efficiently. This release is the capstone of that investment.</p> <p>The encryption process used by the Inteflow Engine is changing, and new encryption keys must be installed in order for the Engine to work with these changes. If these encryption steps are not taken, the Inteflow Engine will not work after this patch.</p> <p>For Managed Inteflow customers, this will be done for you as part of the regular scheduled outage process. Licensed Inteflow customers will need to complete this change on their environments. As always the illion Inteflow Support Team are available for any questions or assistance you may need: inteflowsupport@illion.com.au.</p> <p>The focus on security does not end with this release! The team here at illion is continually monitoring industry trends and ensuring that all illion products - Inteflow included - meet the highest standards of information security.</p>
Schema Changes?	Yes - See PDR-3373 for details
Special Installation Steps?	<p>The following steps are required for all environments. For Managed clients these steps will be done for you, and no action is required.</p> <p>Step 1 - Create Encryption Keys On a server with IIS installed, run the following commands in command prompt to create encryption keys in IIS keystore.</p> <pre>cd c:\Windows\Microsoft.NET\Framework\v4.0.30319 aspnet_regiis.exe -pc "InteflowEngine" -exp aspnet_regiis.exe -pc "InteflowPassword" -exp</pre> <p><i>(steps continue on next page)</i></p>

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Step 2 - Export Encryption Keys to file

Run the following commands in command prompt to output the encryption key files to c:\temp folder. If you don't have a C:\temp folder, create one using Windows File Explorer.

```
cd c:\Windows\Microsoft.NET\Framework\v4.0.30319
aspnet_regiis.exe -px "InteflowEngine"
"c:\temp\InteflowEngine.xml" -pri
aspnet_regiis.exe -px "InteflowPassword"
"c:\temp\InteflowPassword.xml" -pri
```

Step 3 - Delete keys from keystore

Run the following commands in command prompt to remove the keys from the IIS keystore.

```
cd c:\Windows\Microsoft.NET\Framework\v4.0.30319
aspnet_regiis.exe -pz "InteflowEngine"
aspnet_regiis.exe -pz "InteflowPassword"
```

Step 4 - Copy keys to a secure location

In c:\temp, you should have two files:

- c:\temp\InteflowEngine.xml
- c:\temp\InteflowPassword.xml

Copy these two key files from c:\temp to a secure folder on your server. Integrate servers only require the InteflowPassword.xml file; Inteflow Engine servers require access to both files.

Step 5 - Update Integrate web.config

The Integrate web.config needs a new key entry added to point to the folder where the InteflowPassword.xml is located.

For example:

```
<add key="EncryptionKeyPath"
value="D:\Inteflow\EncryptionKeys" />
```

Step 6 - Update Engine config

The Inteflow Engine.exe.config needs a new key entry added to point to the folder where the InteflowEngine.xml and InteflowPassword.xml files are located.

For example:

```
<add key="EncryptionKeyPath"
value="D:\Inteflow\EncryptionKeys" />
```

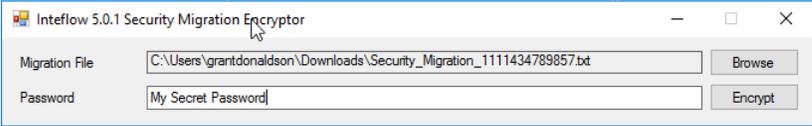
Step 7 - Update Database Installer

The IFDBInstaller.exe.config/IFDBInstaller32.exe.config file in the release folder needs a new key entry added to point to the folder where the InteflowEngine.xml and InteflowPassword.xml files are located.

For example:

```
<add key="EncryptionKeyPath"
value="D:\Inteflow\EncryptionKeys" />
```

Release Details

	<p><i>(steps continue on next page)</i></p> <p>Step 8 - Re-encrypt Engine Database Credentials The database credentials in the InteflowEngine.config file will need to be re-encrypted. This is done by using the Credential Encryptor within the Engine Folder</p> <p>Migration Files - Re-encrypt any Security Migrations Due to the change in encryption for the engine, security migration files that were generated prior to the release of 5.0.1 will not work.</p> <p>These files will need to be re-encrypted using the "Security Migration Encryptor" tool within the release folder.</p> <p>To encrypt files using the Security Migration Encryptor:</p> <ol style="list-style-type: none"> 1. Browse for the existing (old 5.0.0) security migration file 2. Enter a password to encrypt the file with. 3. Hit Encrypt 4. Save the outputted file that can now be migrated in to 5.0.1  <p>The Security Migration screen now requires an encryption key when generating or uploading a migration file.</p>  <p>The key used in the Security Migration Encryptor will need to be entered when uploading the outputted security migration file.</p>
<p>Components in Release</p>	<ul style="list-style-type: none"> ✓ Inteflow Engine ✓ Integate ✓ Inteport ✓ Database ✗ Comprehensive Reporting Portal

New Features

- **PDR-2702:** Over the past six months, illion has invested significant time an effort to reinforce Inteflow to the next level of security. Multiple improvements have been introduced across the entire solution, from the Engine to Inteport and front end. See the Impact Assessment for full impact details.
- **PDR-3083:** The Branding menu has been enriched with a more complete set of customisation options, including the ability to have gradients on the sidebar and fully control display without the use of CSS. These new branding menu settings are only applicable to the new Inteflow design.

Release Details

- **PDR-3393:** The maximum width on new Dashboard template has been increased to a length which is much wider.
- **PDR-3441:** The Suspect Register Case Management screens have been converted to the new MVC look and feel.

Fixes

- **PDR-2978:** Resolved an issue for clients using Oracle when checking the existing bureau reports for an applicant.
- **PDR-3182:** Logging methods have been improved for situations when Inteflow can't load a schema file.
- **PDR-3277:** The Dashboard has been modified to allow for easier debugging of issues.
- **PDR-3329:** Fixed an issue that was showing groups in the flow after they had been deleted.
- **PDR-3338:** Fixed an issue that was affecting the "Same As Copy List" on the Address Control when used in conjunction with placeholder text.
- **PDR-3365:** Fixed an issue wherein the ProductSearch control was not paying enough attention to the CNTL:EDIT flag - the control will now adhere to the edit instructions.
- **PDR-3370:** Made changes to back-end calls to prevent custom response translations from being used when calls are being made between Integate, Inteport and the Engine.
- **PDR-3373:** The current method of tracking the user which performed the last action on an application was being affected by flow processing. To rectify this, a new node has been added to the schema that will never be affected by actions taking place in the flow:
result/cd_current_user
- **PDR-3379:** Driver License Names are now being stored to the database.
- **PDR-3402:** Fixed some minor query issues for duplicate checks when used in conjunction with ABNs.
- **PDR-3413:** Fixed an issue with the SecurityHubLite control wherein empty securities nodes were being created.
- **PDR-3415:** Improved logging for the "No of Applicants" control.
- **PDR-3433:** Fixed a data storage issue when using the old upload controls in certain situations.