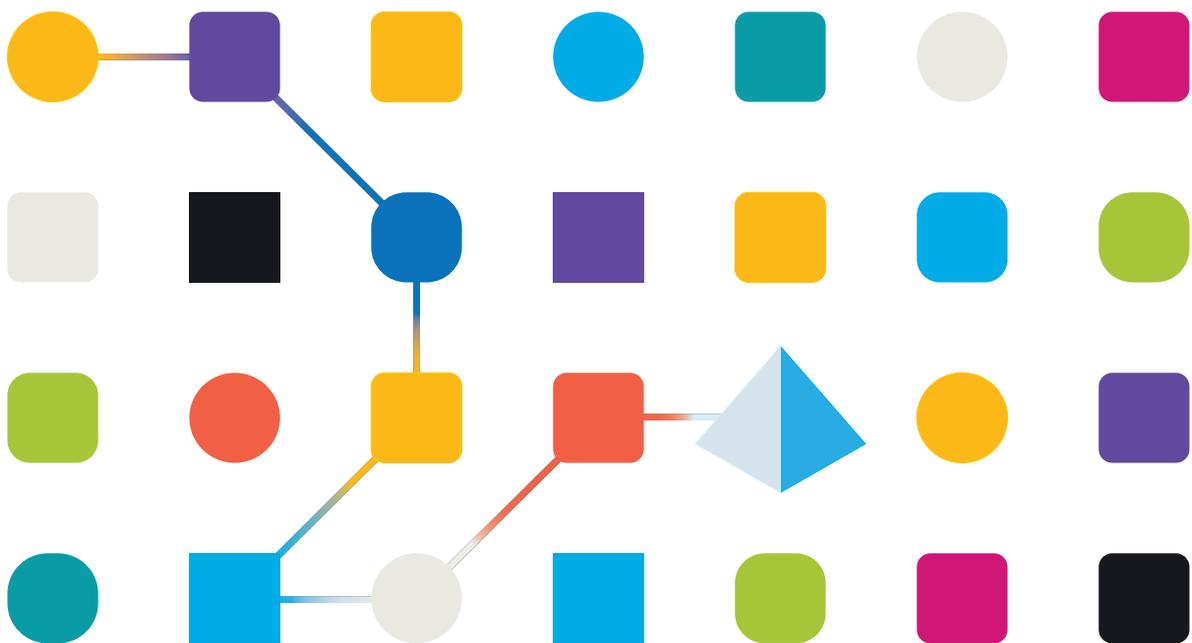




Interact 4.7

Release Notes

Document Revision: 5.0



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Release Notes

Interact 4.7 – January 2023

This release note is for the 4.7 release of Blue Prism® Interact.

Enhancements

The following new features and enhancements are introduced in this version of Interact.

Area	Description of Change	Reference
Installation	<p>Blue Prism Interact has been updated to use:</p> <ul style="list-style-type: none">• .NET 6.0• .NET Framework 4.8 <p>Both the installer and the upgrader have been updated to reflect these prerequisites.</p> <p>For download information, see the Blue Prism Interact install guide.</p>	HUB-4058 HUB-5308

Fixes and improvements

The following fixes and minor improvements are included in this version of Interact.

Area	Description of Change	Reference
Log in	<p>A previous known issue where the Interact tile became inactive after logging in following an application pool recycle has been fixed.</p>	HUB-5054

Web API Service updates

No changes have been made to the Interact API Service release file in this release.

Limitations

Using Active Directory with Interact roles

Interact has limited compatibility with Active Directory security groups. Some of the user-related actions in the Interact Remote API do not support security groups, but do still support directly assigned users to Interact roles, including Active Directory users.

If you are using Active Directory and you want to use the Create Submission and Raise Submissions actions using the Interact Remote API, your users must be directly assigned to the Interact roles in Hub for the actions to function correctly. These actions do not support the use of Active Directory security groups. However, if you want to configure roles to use security groups, you can use the Raise Submission to Role action.

The following table summarizes the actions that rely on user information either in the inputs or outputs, and their compatibility with Active Directory:

Supports the use of Active Directory security groups with Interact roles	Supports direct assignment of Active Directory users to Interact roles
Raise Submission to Role	Create Submission Raise Submission Raise Submission to Role Get Users by Form Name Get Roles by Form Name

For information on configuring roles, see the [Blue Prism Hub administrators guide](#).

Secure development policy

Blue Prism’s secure development process is a market-leading, embedded security culture, focused on delivering security excellence through four key principles:

- Education – Providing up-to-date knowledge, information, and training to the development team.
- Evaluation – Regular reviews of our products using industry standard frameworks and security tools.
- Elimination – Remove potential threats through the evaluation of standards, compliance, and performance.
- Evolution – Continued improvement of our security program, ensuring alignment with our product technologies and by reacting effectively to new and emerging threats.

Blue Prism secure development is based on OWASP ASVS, ISO 27034 and GDPR Article 25 standards and practices. For more information, see Blue Prism's [comprehensive secure development process](#).

Upgrade Hub and Interact

Upgrading Hub and Interact is a simple process that uses dedicated tools. You need to run the upgrade tools in order, starting with the version you are currently using. This section only covers upgrading from the previous release to the latest release. For the full upgrade process, see the [Blue Prism Hub and Interact Upgrade Guide](#).

 After you have completed the upgrade, advise your users to log into Hub and clear the cache by pressing **CTRL + F5**. This will refresh all web pages and ensure that any user interface changes are updated.

Upgrade Hub and Interact 4.6 to version 4.7

This upgrade updates Blue Prism Hub, Blue Prism Interact, and the supporting sites to use the following .NET components:

- .NET Desktop Runtime 6.0.9 or 6.0.10
- ASP.NET Core Runtime 6.0.9 or 6.0.10 (Windows Hosting Bundle)
- .NET Framework 4.8 – Installed by default on Windows Server 2022.

This upgrade also enforces SSL encryption requirements. For more information, see [Prerequisites below](#). It is recommended that you schedule the upgrade to take place outside of working hours.

Prerequisites

- Version 4.6 of Hub and/or Interact is installed.
- Everyone is logged out of Authentication Server.
- You have backed up all relevant databases. Although the databases are not impacted by the upgrade, it is recommended that databases are backed up before performing any upgrade.
- 2.5 GB of free disk space on the server where Hub and/or Interact are installed – This is required for the backup that is created until the installation process is complete. Remove any backups from any previous upgrades.
- SQL Server must be configured to use SSL encryption. If your organization does not already use SSL encryption (you have been running your environment without certificates for your SQL Server, or you have been using a self-signed certificate), your organization should obtain a certificate from a trusted certificate authority and import it into SQL Server to enable this. For more information, see [Microsoft's documentation](#).

 If you have not previously used SSL encryption for your SQL Server, you will need to update the connection strings in the application settings files for the Blue Prism applications before running the upgrader. For more information, see [Update application settings on the next page](#).

Certificates from trusted certificate authorities should be used for Production environments. However, a self-signed certificate could be used for Proof of Concept, or Development environments. It is important that the fully qualified domain name (FQDN) used by SQL Server matches the FQDN defined in the certificate. **If these do not match, a connection to the database will not be established and your installation will not function correctly.** For information on using and configuring self-signed certificates, see [Self-signed certificates](#) in the Blue Prism Hub installation guide.

To import the certificate into SQL Server:

1. From the Windows task bar, open **SQL Server Configuration Manager**.
2. In the SQL Server Configuration Manager, expand **SQL Server Network Configuration** and right-click **Protocols for <SqlServerInstanceName>**, and then click **Properties**.
3. In the Protocols for <SqlServerInstanceName> Properties dialog, select the **Certificate** tab, and then select or import the required certificate.
4. Click **Apply**.

 The upgrader automatically stops any running websites as part of the upgrade process. You do not need to manually stop them.

Update application settings

You only need to update the appsettings.json files for the Blue Prism applications if you have not previously been using SSL encryption for your SQL Server. You can update the application settings using the [script](#) that Blue Prism has created, or [manually](#).

To update the application settings using the script:

1. Import a certificate into SQL Server. For more information, see [Prerequisites on the previous page](#).
2. If you do not already have the Blue Prism Data Protector, download it from the [Blue Prism Portal](#) and save it to your Hub and/or Interact web server. You can remove it once this procedure is complete.
3. If you do not already have the application settings script (update-connectionStrings.ps1), download it from the [Blue Prism Portal](#) and save it to your Hub and/or Interact web server.
4. Open PowerShell as an administrator and run the update-connectionStrings.ps1 script. When prompted, enter the following information:
 - a. **installationDirectory** – Type the directory path for where Hub is installed and press Enter. For example, if the default installation location was used, the path will be C:\Program Files (x86)\Blue Prism.
 - b. **sqlSource** – Type the SQL Server name that was used during the creation of the SSL certificate and press Enter.
 - c. **dataProtectorPath** – Type the full path to the Blue Prism Data Protector and press Enter. For example, if you save it directly onto the C: drive, enter C:\BluePrismDataProtector.Console.exe.
 - d. **interactInstallationDirectory** – Type the directory path for where Interact is installed and press Enter. For example, if the default installation location was used, the path will be C:\Program Files (x86)\Blue Prism. If you have not installed Interact, do not enter any information and press Enter.

The script runs and updates the connection strings in the application settings with the new value for SQL Server.

5. Repeat the process on all machines on which Hub and/or Interact is installed.

To update the application settings manually:

1. Import a certificate into SQL Server. For more information, see [Prerequisites on page 6](#).
2. If you do not already have the Blue Prism Data Protector, download it from the [Blue Prism Portal](#).
3. Open PowerShell as an administrator in the folder where BluePrismDataProtector.Console.exe is located. You are going to use this tool to update the connection strings in the appsettings.json files. For more information on using the tool, see [Blue Prism Data Protector Tool on page 14](#).
4. On the Hub and Interact web servers, navigate to the following files and find the sections indicated in the code snippets below:

 The file paths shown below are the default installation locations. If you installed your applications to a different folder, you should navigate to that folder.

C:\Program Files (x86)\Blue Prism\Audit Service\appsettings.json

```
"ConnectionStrings": {  
  "AuditServerConnection": <Replace the string here>
```

C:\Program Files (x86)\Blue Prism\Audit Service Listener\appsettings.json

```
"ConnectionStrings": <Replace the string here>
```

C:\Program Files (x86)\Blue Prism\Authentication Server\appsettings.json

```
"ConnectionStrings": {  
  "IdentityServerConnection": <Replace the string here>  
"Storage": {  
  "Type": "Database",  
  "ConnectionString": <Replace the string here>
```

C:\Program Files (x86)\Blue Prism\Email Service\appsettings.json

```
"Database": {  
  "ConnectionString": <Replace the string here>
```

C:\Program Files (x86)\Blue Prism\File Service\appsettings.json

```
"Storage": {  
  "Type": "Database",  
  "ConnectionString": <Replace the string here>
```

C:\Program Files (x86)\Blue Prism\Hub\appsettings.json

```
"Data": {
  "Connect": {
    "ConnectionString": "Connect",
    "ConnectionString": <Replace the string here>

    "BluePrismDecision": {
      "ConnectionString": "BluePrismDecision",
      "ConnectionString": <Replace the string here>
    }
  }
  "DistributedCache": {
    "Type": "Database",
    "DefaultExpirationMinutes": 0,
    "SqlServer": {
      "ConnectionString": <Replace the string here>
    }
  }
  "Storage": {
    "Type": "Database",
    "ConnectionString": <Replace the string here>
  }
}
```

C:\Program Files (x86)\Blue Prism\IADA\appsettings.json

```
"Database": {
  "ConnectionString": <Replace the string here>
}
```

C:\Program Files (x86)\Blue Prism\Interact\appsettings.json

```
"InteractDatabases": {
  "InteractConnectionString": <Replace the string here>
}
"DistributedCache": {
  "Type": "Database",
  "DefaultExpirationMinutes": 0,
  "SqlServer": {
    "ConnectionString": <Replace the string here>
  }
}
```

C:\Program Files (x86)\Blue Prism\Interact Remote API\appsettings.json

```
"InteractRemoteDatabases": {
  "InteractConnectionString": <Replace the string here>
}
"InteractRemoteStorage": {
  "Type": "Database",
  "ConnectionString": <Replace the string here>
}
```

C:\Program Files (x86)\Blue Prism\License Manager\appsettings.json

```
"Database": {
  "ConnectionString": <Replace the string here>
}
```

C:\Program Files (x86)\Blue Prism\Notification Center\appsettings.json

```
"Database": {  
  "ConnectionString": <Replace the string here>
```

C:\Program Files (x86)\Blue Prism\Submit Form Manager\appsettings.json

```
"SubmitFormManagerDatabases": {  
  "InteractConnectionString": <Replace the string here>
```

5. For each of these files in turn:
 - a. Use the Blue Prism Data Protector Tool to decrypt the connection string and copy to a temporary text file, for example:

```
"InteractDatabases": {  
  "InteractConnectionString":  
  "CfDJ8MILtsx8cQB0rqrAat15A1aLmLP1GodofWTnhvaHwh0ryabXaXW2i-KTfsq2XTYuAzct_  
  ZXIFS3ILFv4Zu5ozmtvHv9aOLCxZjQJEUm7Ytwx8dK1Zqapywv2s5TCoi4X_9MGselkrRmbknBuQ_  
  zWE93ozrN1BUVCQNHVedkyjTTPmPnxyeIgJJdoZRbkK0upnSrJwTt95SCmvo2SLLhZZFR5e2s24smn72PKNGrg  
  a8fksbIDpaIDFwRc-i6_kkEinp5qA-FBFfIbVZzBD5ZN1dyuaC2jm7V4dxKt5tea1NP-_  
  vauczgCLBp88WdmNEe0Ew"
```

Becomes:

```
"InteractDatabases": {  
  "InteractConnectionString": "Data Source=existed-name-without-certificate;  
  Initial Catalog=Interact; User Id=sa; Pass=Pass***; Max Pool Size=500; Encrypt=False;  
  MultiSubnetFailover=True"
```

 The examples in step 4 above show the extract from the appsettings.json file to illustrate the location of the settings. The decryption and encryption is only carried out on the connection string setting, not on the settings also shown in these code examples.

Only the **Data Source** in the connection string needs to be updated. The other parameters in the connection string setting should be left unchanged. The upgrade script will make any changes that are required when run, such as updating the **Encrypt** parameter.

- b. In the copied connection string, replace the value for the **Data Source** parameter with the name from the certificate, for example:

```
"InteractDatabases": {  
  "InteractConnectionString": "Data Source=name-with-certificate; Initial  
Catalog=Interact; User Id=sa; Password=Pass***; Max Pool Size=500; Encrypt=False;  
MultiSubnetFailover=True"
```



The certificate name can be found in SQL Server Configuration Manager.

1. In SQL Server Configuration Manager, expand **SQL Server Network Configuration**, right-click **Protocols for <SqlServerInstanceName>**, and then click **Properties**.
2. In the Protocols for <SqlServerInstanceName> Properties dialog, select the **Certificate** tab. The certificate name is shown in the **Issued To** field – this displays in the format: short name followed by the common name (which is usually the FQDN). Either name can be used as the Data Source, however, if both names are present, it is recommended that the common name (FQDN) is used.
3. Optionally, for additional clarity, click **View**, and select **Subject Alternative Name**. The names are shown in the text area below the fields.

- c. Use the Blue Prism Data Protector Tool to encrypt the new connection string and overwrite the string in the appsettings.json file with this new value.



For information on decrypting and encrypting the connection strings, see [Blue Prism Data Protector Tool on page 14](#).

6. Open IIS Manager and restart the appropriate Application Pool to ensure it uses the new connection string.
7. Repeat the process on all machines on which Hub and/or Interact is installed.

Upgrade steps

- Blue Prism Hub and Blue Prism Interact 4.7 require .NET Core 6.0 and .NET Framework 4.8. If you do not have these versions, you will need to update your Hub and/or Interact web server.

Step	Details
1	<p>Download the following components and store them in a temporary location, for example, C:\temp:</p> <ul style="list-style-type: none"> ASP.NET Core Runtime 6.0.9 or 6.0.10 (Windows Hosting Bundle) https://dotnet.microsoft.com/download/dotnet/6.0 – Select the version you require. Under ASP.NET Core Runtime, select Hosting Bundle. .NET Desktop Runtime 6.0.9 or 6.0.10 https://dotnet.microsoft.com/download/dotnet/6.0 – Select the version you require. Under .NET Desktop Runtime, select the appropriate download. .NET Framework 4.8 https://support.microsoft.com/en-us/topic/microsoft-net-framework-4-8-offline-installer-for-windows-9d23f658-3b97-68ab-d013-aa3c3e7495e0 <div style="border: 1px solid #0070C0; padding: 5px; margin-top: 10px;"> <p> This is installed by default on Windows Server 2022. You only need to install the .NET Framework if you are using Windows Server 2016 Datacenter or Windows Server 2019.</p> </div>
2	<p>To install the .NET dependencies, run each of the following commands using the PowerShell command prompt, waiting until each completes, before running the next command:</p> <p>For Windows Server 2016 and Windows Server 2019:</p> <div style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <pre>start-process "C:\temp\dotnet-hosting-6.0.0-win.exe" /q -wait start-process "C:\temp\windowsdesktop-runtime-6.0.0-win-x64.exe" /q -wait start-process "C:\temp\ndp48-x86-x64-allos-enu.exe" /q -wait</pre> </div> <p>For Windows Server 2022 (.NET Framework is already installed by default):</p> <div style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <pre>start-process "C:\temp\dotnet-hosting-6.0.0-win.exe" /q -wait start-process "C:\temp\windowsdesktop-runtime-6.0.0-win-x64.exe" /q -wait</pre> </div> <div style="border: 1px solid #0070C0; padding: 5px; margin-top: 10px;"> <p> Ensure the file name and file path match the files that were stored in step 1.</p> </div>
3	<p>Restart your server before installing Blue Prism Hub to ensure the components are fully installed and registered.</p>

 To watch this installation step, see our [.NET installation video](#).

- Download the Blue Prism Interact and Hub Upgrader for version 4.6 to 4.7 from the [Blue Prism Portal](#).

3. Unzip the installer on the machine where Hub and Interact 4.6 are installed. It contains two files:
 - Blue Prism Interact and Hub Upgrader.exe – The upgrader executable.
 - BluePrismHubAndInteractUpdate4.7.bin – The binary file needed to upgrade to 4.7.

These files must be saved in the same directory.

4. Double-click the upgrader executable to start the upgrader wizard, and on the Welcome to the Hub and Interact Upgrader screen, click **Next**.

 The upgrader checks that the prerequisite software from step 1 is installed. If it is not, the Prerequisites screen displays and you will need to close the installer and perform step 1.

5. On the End-User License Agreement screen, read the End-User License Agreement and, if you agree to the terms, select the check box and click **Next**.
6. On the Ready for Upgrade to 4.7 screen, click **Next** to upgrade Hub and Interact to 4.7.
7. On the Completed the Blue Prism Hub and Blue Prism Interact upgrade screen:
 - When the upgrade completes successfully, click **Finish**.
 - If the installation failed, the **View Log** option will give you details of the error that was encountered. For more information, see [Troubleshooting upgrades](#).
8. Repeat the process on all machines on which Hub and/or Interact is installed.

 The plugins are automatically updated to the latest version as part of the upgrade process.

Blue Prism Data Protector Tool

The Blue Prism Data Protector tool is used to decrypt and encrypt connection strings stored in the appsettings.json file. For security reasons, the connection strings are encrypted and the Blue Prism Data Protector tool allows the strings to be decrypted, so they can be altered if needed, and then encrypted again.

The BluePrismDataProtector.Console tool is a command line tool and should be used with Windows PowerShell running as an administrator.

Decrypt a connection string

To use the tool to decrypt a connection string:

1. Download the BluePrismDataProtector.Console.exe file from the [Blue Prism Portal](#) and save to a convenient location on your device.
2. Open PowerShell as an administrator in the folder where BluePrismDataProtector.Console.exe is located.

The Administrator: Windows PowerShell window displays.



If you type `.\BluePrismDataProtector.Console.exe` at the command line and press Enter, a list of possible commands will display.

3. From Windows Explorer, open the appsettings.json file that contains the string you want to decrypt and copy it. For example:

```
"HubServiceBus": {  
  "Connection": "CfDj8LadX9spUNhMhvbXtcsxZYTHFA3m8Ty1-Z_EZ0Zn16mYfv_23Q2D2waPDTBxaz4-viN02Akk-S5C73dNj0dGHifGCxSIftwExJ304FuDXHpbNo0be-xyQt1D1-j7rosuYw",  
  "Topic": "tthtopic",  
  "Subscription": "Hub",  
}
```

4. In PowerShell, type the following:

```
.\BluePrismDataProtector.Console.exe unprotect -v "[string]" -p "[path]"
```

Where:

`[string]` = the copied string from the file

`[path]` = the path to DataProtectionKeys. Typically, C:\Program Files (x86)\Blue Prism\DataProtectionKeys

For example:

```
.\BluePrismDataProtector.Console.exe unprotect -v "CfDj8LadX9spUNhMhvbXtcsxZYTHFA3m8Ty1-Z_EZ0Zn16mYfv_23Q2D2waPDTBxaz4-viN02Akk-S5C73dNj0dGHifGCxSIftwExJ304FuDXHpbNo0be-xyQt1D1-j7rosuYw" -p "C:\Program Files (x86)\Blue Prism\DataProtectionKeys"
```

5. Press **Enter**.

The string is decrypted and the unencrypted value displays in PowerShell.

Encrypt a connection string

To use the tool to encrypt a connection string:

1. Open PowerShell as an administrator in the folder where BluePrismDataProtector.Console.exe is located.
The Administrator: Windows PowerShell window displays.



If you type `.\BluePrismDataProtector.Console.exe` at the command line and press Enter, a list of possible commands will display.

2. In PowerShell, type the following:

```
.\BluePrismDataProtector.Console.exe protect -v "[string]" -p "[path]"
```

Where:

`[string]` = the string that you want to encrypt

`[path]` = the path to DataProtectionKeys. Typically, C:\Program Files (x86)\Blue Prism\DataProtectionKeys

For example:

```
.\BluePrismDataProtector.Console.exe protect -v "Str0ngP@$$w0rd" -p "C:\Program Files (x86)\Blue Prism\DataProtectionKeys"
```

3. Press **Enter**.

The string is encrypted and the value displays in PowerShell, for example:

```
CfDJ8LadX9spUNhMhvbXtcsxZYTHFA3m8Tyl-Z_EZ0Znl6mYfv_23Q2D2waPDTBxaz4-viNO2Akk-S5C73dNjOdGHifGCxSIftwExJ304FuDXHpbNo0be-xyQt1D1-j7rosuYw
```

4. Copy the encrypted string into the appropriate place in the appsettings.json file and save the file.
5. Open IIS Manager and restart the appropriate Application Pool to ensure it uses the new connection string.



If there are characters in your string which are associated with commands in PowerShell itself, you will need to add an escape character to your string so that PowerShell honors the string as intended. Such as:

- ``` and `$` will need a ``` (backtick) before the character, for example, `Str0ng`P@$`$W0rD` would need to be entered as `"Str0ng`P@`$`$W0rD"` on the command line.
- `"` will need ``` before it, for example, `P@$"W0rD` would need to be entered as `"P@`$`"W0rD"` on the command line.

These additional escape characters maintain the integrity of the string. If the resulting encrypted value is decrypted again, the value would match the original string rather than the command line version.

Previous Releases

Interact 4.6 – June 2022

This release note is for the 4.6 release of Blue Prism® Interact.

Enhancements

The following new features and enhancements are introduced in this version of Interact.

Area	Description of Change	Reference
Audit	<p>Enhancements have been made to the auditing of forms and submissions.</p> <p>For a list of audit event updates, see the Blue Prism Hub 4.6 release notes.</p>	
Interact plugin – Forms	<p>An enhancement has been made to the Interact plugin to enable a user to assign an Interact form to a role, without having Hub administration permissions. A user can assign the form to a role either on the Edit basic information page, or on the Create form page.</p> <p>For more information, see Deploying forms.</p>	HUB-2819
	<p>A new Interact roles filter enables users to search for forms by role names.</p> <p>For more information, see Search for a form.</p>	HUB-2904
	<p>The Submitter drop-down now displays all Hub users. Previously, the drop-down only contained users with access to the Interact form.</p>	HUB-2898 HUB-3123
	<p>When the approval type is set on a form, a new Exclude submitter option displays. This is selected by default, and prevents a form submitter from being able to approve their own submissions.</p> <p>For more information, see Creating Interact forms.</p>	INTER-147
	<p>The Horizontal Rule field and the Paragraph field now have an Automation ID. This enables the fields to be manipulated by an automated process, if required.</p>	HUB-2179
	<p>When a form is deleted, a notification is now displayed in Blue Prism Hub to all members of the business process that the form was associated with.</p>	INTER-58

Area	Description of Change	Reference
Interact web application	<p>The following enhancements have been made to streamline the user journey when submitting a form:</p> <ul style="list-style-type: none"> • When a user clicks a tile on the Interact Home page, they are taken straight to the form so they can start entering information. Previously, a summary panel displayed on the Home page and the user needed to click again to go to the form. The summary information is now displayed in the left panel on the form itself. • A Submit another option has been added next to the Submit button on the form. If the user selects this when submitting a form, a new form displays enabling the user to enter another set of information without having to return to the Home page. This option is also available on forms that are cloned from the Submission history or Awaiting approval sections. • On the Home page, the Recently completed option has been added to the Order by drop-down list. • User paths in the user interface have been updated to reduce the number of clicks a user experiences, or return them to logical areas of the user interface. 	<p>INTER-189 INTER-132</p>
	<p>Forms can now be submitted to a role. The form is sent to all users who are assigned to that role, and displays on the My Work tab. Any user who in that role can work on the form as if it had been submitted to them directly, however, once one of the users in the role has started to work on it, it is locked for all others. The user who is working on the form is shown in the new Locked by column in the Inbox.</p>	<p>INTER-195 INTER-146</p>
	<p>New notifications have been added into Interact to support the ability to send a submission to a role. These are:</p> <ul style="list-style-type: none"> • Digital Worker has assigned submission to your group – Notifies the users in the role that they have received a new submission. • User has completed submission raised by Digital Worker – Notifies the users in the role that one of the other users in that role has completed any actions required on the submission. This submission will no longer be waiting action by the other users in the role. • User has deleted submission raised by Digital Worker – Notifies the users in the role that one of the other users has deleted the submission. This submission will no longer be able to available to other users in the role. <p>For more information, see the Interact web application user guide.</p>	<p>INTER-143 INTER-222</p>
Interact API	<p>Submissions can now be raised and created for any user, and are no longer limited to users with access to the Interact form.</p>	<p>HUB-2899</p>

Fixes and improvements

The following fixes and minor improvements are included in this version of Interact.

Area	Description of Change	Reference
Installer and upgrader	When the Interact installer or upgrader is run in Chinese, all of the screen titles now display correctly. Previously, some of the screen titles were truncated.	LOC-720

Area	Description of Change	Reference
Interact plugin – Forms	The Create another toggle now displays correctly on the Create page when adding a new Text or Text area field to an Interact Form in Hub. This resolves the known issue present in Interact 4.5.	HUB-2461
	When a user is adding or editing a Date field in a form, it now completely resets if the user clicks Reset all . Previously, the setting for the Date field were reset apart from Initial value which still retained a value. This now resets.	HUB-2317
	When a rule is created that uses an Text area field, the Value now displays as a multi-line field. Previously, this was displayed as a single line field.	HUB-1664
	The Submitter field in a rule now populates correctly when it is selected multiple times. Previously, if a user selected a submitter, then changed it to another submitter, the field recorded an empty value.	HUB-3090
	If a user searches the fields and clicks on a result, the matching field is now highlighted. Previously, the form scrolled to the field, but it did not highlight it.	HUB-2027
	If an Interact Form name contains the pipe character ' ', when a Hub administrator attempts to create a new Interact role on the Roles and permissions page in Hub, the Interact role is now created successfully. This resolves the known issue present in Interact 4.5.	HUB-2911
	If a form with an Interact role is assigned to two users, and a rule applicable to all fields or all pages is created for both users (by selecting them as submitters in the Submitter field on the Create rule screen), the fields or pages now display correctly when the form is opened. Previously, the pages displayed incorrectly and had missing fields and disabled buttons if opened in Interact by the first user (submitter).	HUB-2959
	Previously, when a user moved a field with a rule from one page to another page resulting in a page without any fields, a TypeError was returned to the console and the Interact Forms page appeared blank in the browser. This issue no longer occurs and the field is moved without error.	HUB-3756
	Notifications now display when forms are deleted.	HUB-1570
	An SLA of 000.00:00:00 can no longer be entered on an Interact form under the Queue section. If an SLA is required, it must be greater than 1 second.	HUB-1700

Area	Description of Change	Reference
Interact web application	The Interact web application now correctly applies the colors defined in a custom theme. Previously, if a theme was created in Blue Prism Hub for use by Interact, some of the buttons in Interact stayed the default blue color. These buttons now display in the color set in the theme.	HUB-1894
	An Interact approver can now only approve a form once. When they click Approve , the Approve option becomes inactive preventing any further clicks. Previously, if the initial approval click was slow to respond, an approver could continue to click Approve multiple times, which generated multiple approval notifications and work queue items.	HUB-3673

Web API Service updates

As part of this release of Interact:

- The Interact Remote API has been updated to version 2.
- The Interact API Service release file for Blue Prism has been updated to version 1.6.

The following new features and enhancements are introduced in this version of Interact.

Area	Description of Change	Reference										
Actions	The following actions have been added to the Interact Remote API, with associated actions in the Web API Service and the Utility - Interact API Blue Prism VBO, available in the Blue Prism interactive client (by importing the latest release file):	INTER-150 HUB-2179										
	<table border="1"> <thead> <tr> <th>Interact Web API</th> <th>Blue Prism VBO: Utility - Interact API</th> </tr> </thead> <tbody> <tr> <td>Get Role ID by Role Name</td> <td>Get Role ID by Role Name – New Action</td> </tr> <tr> <td>Get Roles by Form Name</td> <td>Get Roles by Form Name – New Action</td> </tr> <tr> <td>Get Submission By Transaction</td> <td>Get Submission By Transaction ID – Used internally by: Create Submission Raise Submission Raise Submission to Role</td> </tr> <tr> <td>Raise Submission to Role</td> <td>Raise Submission to Role – New Action</td> </tr> <tr> <td>Edit Submission Field Value by Transaction ID</td> <td>Get Transaction ID – Used internally by Edit Horizontal Rule Padding and Edit Paragraph Field Value.</td> </tr> </tbody> </table> <p>In addition, the Edit Submission Field Value in the Interact Web API has been updated to include the Paragraph and Horizontal Rule fields.</p>		Interact Web API	Blue Prism VBO: Utility - Interact API	Get Role ID by Role Name	Get Role ID by Role Name – New Action	Get Roles by Form Name	Get Roles by Form Name – New Action	Get Submission By Transaction	Get Submission By Transaction ID – Used internally by: Create Submission Raise Submission Raise Submission to Role	Raise Submission to Role	Raise Submission to Role – New Action
Interact Web API	Blue Prism VBO: Utility - Interact API											
Get Role ID by Role Name	Get Role ID by Role Name – New Action											
Get Roles by Form Name	Get Roles by Form Name – New Action											
Get Submission By Transaction	Get Submission By Transaction ID – Used internally by: Create Submission Raise Submission Raise Submission to Role											
Raise Submission to Role	Raise Submission to Role – New Action											
Edit Submission Field Value by Transaction ID	Get Transaction ID – Used internally by Edit Horizontal Rule Padding and Edit Paragraph Field Value.											

Area	Description of Change	Reference
	<p>The following actions have been added to the Utility - Interact API Blue Prism VBO:</p> <ul style="list-style-type: none"> • Edit Horizontal Rule Padding • Edit Paragraph Field Value • Get Submission By Transaction ID • Get Transaction ID • Get Roles by Form Name • Get Role ID by Role Name • Raise Submission to Role <p>In the Create Submission action, the password parameter is now optional when using Interact Remote API v2.</p>	<p>HUB-2179 INTER-150</p>
Interact Remote API	<p>Version 2 of the Interact Remote API is now available. The updates include, but are not limited to, the following features:</p> <ul style="list-style-type: none"> • Support for a digital worker to manipulate the paragraph field value and its state (shown/hidden) • Support for a digital worker to edit the top padding and bottom padding for a horizontal rule field, and its state (shown/hidden) • New and updated endpoints: <ul style="list-style-type: none"> • POST api/v2/get-submission • POST api/v2/submission – The password field in this version is now optional. • POST api/v2/submission/raise • POST api/v2/submission/role/raise • PUT api/v2/config-of-submission • PUT api/v2/status-of-submission • PUT api/v2/submission 	<p>HUB-2179 INTER-168</p>

For more information about the Interact Web API Service, see the [user guide](#).

Limitations

Using Active Directory with Interact roles

Interact has limited compatibility with Active Directory security groups. Some of the user-related actions in the Interact Remote API do not support security groups, but do still support directly assigned users to Interact roles, including Active Directory users.

If you are using Active Directory and you want to use the Create Submission and Raise Submissions actions using the Interact Remote API, your users must be directly assigned to the Interact roles in Hub for the actions to function correctly. These actions do not support the use of Active Directory security groups. However, if you want to configure roles to use security groups, you can use the Raise Submission to Role action.

The following table summarizes the actions that rely on user information either in the inputs or outputs, and their compatibility with Active Directory:

Supports the use of Active Directory security groups with Interact roles	Supports direct assignment of Active Directory users to Interact roles
Raise Submission to Role	Create Submission Raise Submission Raise Submission to Role Get Users by Form Name Get Roles by Form Name

For information on configuring roles, see the [Blue Prism Hub administrators guide](#).

Known issues

A list of any prominent issues with this release is maintained in the knowledge base, click [here](#) for more information.

Secure development policy

As part of our secure development policy, Blue Prism products are evaluated against the following security standards:

- OWASP Top 10 –The security vulnerabilities that pose the most risk to applications development. For more information, see the [OWASP website](#).
- SANS CWE Top 25 – The most common software security vulnerabilities found throughout the software development industry. For more information, see the [SANS website](#).
- Federal Information Processing Standard (FIPS) Publication 140-2 – U.S. government standard that defines minimum security requirements for cryptographic modules in information technology products.
- Payment Card Industry Data Security Standard (PCI DSS).
- Health Insurance Portability and Accountability Act (HIPAA).
- Federal Information Security Management Act (FISMA).

A compliance highlight summary report is available upon request via Product Support.

Interact 4.5 – November 2021

This release note is for the 4.5 release of Blue Prism® Interact.

Enhancements

The following new features and enhancements are introduced in this version of Interact.

Area	Description of Change	Reference
Installer and Upgrader	<p>The Interact installer and the Hub and Interact Upgrader are now available in multiple languages. The user can now select the language on the first screen in the wizard.</p> <p>For a list of supported languages, see Localization.</p> <p>For more information, see the Interact install guide or the upgrade guide.</p>	HUB-2443
Interact plugin – Forms	<p>A new feature has been added to the Paragraph capture field type in Interact Forms to allow hyperlinks to be added to text. For more information, see Using the capture types in forms.</p>	INTER-77

Fixes and improvements

The following fixes and minor improvements are included in this version of Interact.

Area	Description of Change	Reference
Interact plugin – Forms	<p>Improvements have been made to the way the Interact forms reference a Blue Prism queue. These include:</p> <ul style="list-style-type: none"> • If a work queue is renamed within Blue Prism, when the refresh icon is used next to the Queue name in Interact Forms, the Queues list reflects the latest name. • The form now uses the work queue's unique identifier rather than its name. This ensures that the same work queue is used for the form even if it is renamed. There is no change to the Interact Forms user interface – when creating a form, the user still selects the name of the work queue for ease of use. 	INTER-52

Area	Description of Change	Reference
Interact	A new Download button has been added when viewing a submission that includes an uploaded file. The Download button displays when viewing: <ul style="list-style-type: none"> • Draft submissions • Submissions in the user's inbox • Submissions requiring approval • Submissions under the History tab The Download button enables the user to review the attached file. Previously, users could not download the attached file when the submission was in their inbox.	HUB-1825
	An issue has been fixed where a submitted form did not display in the Submission history if it contained a hidden page without any fields. The form now displays in the Submission history section of the History tab in Interact.	HUB-2350
	Performance improvements have been made to Interact. As part of this, the following changes have been made: <ul style="list-style-type: none"> • The submission counter has been removed. Previously, this displayed above the Select button when a form was selected on the Home tab in Interact. • The Most frequently used filter has been removed. Previously, this displayed as an option under Order By on the Home tab in Interact. 	HUB-2322 HUB-2324

Web API Service updates

No changes have been made to the Interact API Service release file in this release.

For more information about the Interact Web API Service, see the [user guide](#).

Known issues

A list of any prominent issues with this release is maintained in the knowledge base, click [here](#) for more information.

Secure development policy

As part of our secure development policy, Blue Prism products are evaluated against the following security standards:

- OWASP Top 10 –The security vulnerabilities that pose the most risk to applications development. For more information, see the [OWASP website](#).
- SANS CWE Top 25 – The most common software security vulnerabilities found throughout the software development industry. For more information, see the [SANS website](#).
- Federal Information Processing Standard (FIPS) Publication 140-2 – U.S. government standard that defines minimum security requirements for cryptographic modules in information technology products.
- Payment Card Industry Data Security Standard (PCI DSS).

- Health Insurance Portability and Accountability Act (HIPAA).
- Federal Information Security Management Act (FISMA).

A compliance highlight summary report is available upon request via Product Support.

Interact 4.4 – September 2021

This release note is for the 4.4 release of Blue Prism® Interact (Interact) delivered in an on-premise configuration.

Enhancements

The following new features and enhancements are introduced in this version of Interact.

Area	Description of Change	Reference
Interact plugin – Forms	The Interact – Forms user interface has been further refined to improve usability and readability. For more information about the user interface, please see Creating Interact forms .	HUB-1093
	The following enhancements have been made to the Text capture type: <ul style="list-style-type: none"> • A new option has been added, Purge data on submission. If this is selected when setting up the text field, any data entered in this field by the Interact user will be removed when the form is submitted, and will not be stored in the Interact database, or present in the audit log in Blue Prism® Hub. The data will only be stored in the Blue Prism database, and any additional storage destinations configured as part of the automation process for the form. For fields where this option is set, an information icon displays next to the field in the testing area. When the user hovers the mouse pointer over the icon, a tooltip displays. <ul style="list-style-type: none"> • The field Mask data on submission has been renamed to Mask data on entry to reflect the functionality of this field. No functional changes have been made. For more information on the Text capture type, see Using the capture types in forms .	INTER-48 HUB-1118 HUB-1594 HUB-1618
	A new capture field type has been added to Interact Forms: Text area . The Text area field can be added to forms and enables users to enter up to 3500 characters in a multi-line text field. It supports the use of regular expressions and rules. For more information, see Using the capture types in forms .	INTER-64
	A new feature has been added to enable forms to be deleted. For more information, see Delete a form .	INTER-57
	Auditing of Interact Forms events has been added. The audit events can be accessed from the Audit page in Blue Prism® Hub. In addition to a new Interact category filter, the following event filters are available: <ul style="list-style-type: none"> • Created form • Removed form • Form increase major 	HUB-1117

Area	Description of Change	Reference
Interact	An information icon displays next to the field label when the new Purge data on submission option is set for a text field. When the Interact user hovers the mouse pointer over the icon, a tooltip displays informing the user that data in this field will be purged. The data will not be stored in the Interact database; it will only be stored in the Blue Prism database, and any additional storage destinations configured as part of the automation process for the form.	INTER-48 HUB-1594
Interact API	Functionality has been added to support the Text area field and replacing files. See Web API Service updates on the next page .	INTER-64

Fixes and improvements

The following fixes and minor improvements are included in this version of Interact.

Area	Description of Change	Reference
Installer	The Configure Interact Cache SQL configuration screen has been removed from the installation wizard as this is no longer required for Interact 4.4.	HUB-1515
	The Interact Remote API secret key on longer displays at the end of the installer. The secret key is now generated by a service account in Hub for the Interact Remote API.	HUB-1564
Interact plugin – Forms	An issue has been fixed in the Edit rule page. Previously, if a rule was created to restrict uploads to a maximum file size, it was not applied correctly and uploads were prevented even when they were smaller than the maximum size specified in the rule.	HUB-1233
	If a field has been made a key field, the key can now be removed from the field without having to delete the field and recreate it.	INTER-51
	An improvement has been made to the Create form page. When a user clicks Preset icons , the page now scrolls to the end of the list of icons displayed under the Icon category field, enabling the user to easily view and select an icon. Previously, if the Preset icons link was at the bottom of the browser window, the icons appeared below the viewing area and the user had to manually scroll down to find them.	INTER-50
	When a file is uploaded via the Interact Remote API for a form with an upload field and email delivery type, clicking the link sent in the email now opens the uploaded file as expected. Previously, clicking the link in the email would display an error.	HUB-2168

Area	Description of Change	Reference
Interact	An issue has been fixed where Interact continually attempted to reload while displaying the "Something went wrong" error message. Interact now loads correctly. The issue was due to an incorrect token refresh and was reported in environments that use Windows Authentication to authenticate with the SQL Server.	HUB-1201 HUB-1299
	An issue has been fixed where, after applying an ALM license and rebooting the system, Hub and Interact could not be accessed. When Hub was selected from the selection screen displayed after logging in, an <i>HTTP Error 502.5 - ANCM Out-Of-Process Startup Failure</i> message was observed; where as Interact appeared as unavailable on the selection screen. Blue Prism Hub and Blue Prism Interact can now be accessed without experiencing these issues.	DS-597 HUB-2300 IADA-102

Web API Service updates

As part of this release of Interact, the Interact API Service release file has been updated to version 1.5. The following new features and enhancements are introduced to the Web API Service and the Utility - Interact API Blue Prism VBO in this version of Interact.

Area	Description of Change
Actions	A new Edit Text Area Field Value action has been added. This field enables the value of a Text Area field to be updated with text up to 3500 characters.
	A new Edit Upload Field Value action has been added. This field enables a file to be replaced, such as an image or a document. This field can only be used to replace an existing file on a submission, and not to add a new file to a submission.
	Create Submission and Raise Submission have been improved to enhance the user experience and follows Blue Prism best practices. The actions within the VBO have been simplified to enable users to clearly see the process flow. The static flow that is used by both actions has been moved onto a separate unpublished page (Clean JSON for Submission) to avoid cluttering the user's visual automation process in Object Studio.

For more information about the Interact Web API Service, see the [user guide](#).

Known issues

A list of any prominent issues with this release is maintained in the knowledge base, click [here](#) for more information.

Secure development policy

As part of our secure development policy, Blue Prism products are evaluated against the following security standards:

- OWASP Top 10 –The security vulnerabilities that pose the most risk to applications development. For more information, see the [OWASP website](#).
- SANS CWE Top 25 – The most common software security vulnerabilities found throughout the software development industry. For more information, see the [SANS website](#).

- Federal Information Processing Standard (FIPS) Publication 140-2 – U.S. government standard that defines minimum security requirements for cryptographic modules in information technology products.
- Payment Card Industry Data Security Standard (PCI DSS).
- Health Insurance Portability and Accountability Act (HIPAA).
- Federal Information Security Management Act (FISMA).

A compliance highlight summary report is available upon request via Product Support.

Interact 4.3 – May 2021

This release note is for the 4.3 release of Blue Prism Interact (Interact) delivered in an on-premise configuration.

Enhancements

The following new features and enhancements are introduced in this version of Interact.

Area	Description of Change	Reference
Forms	<p>Interact Forms has been enhanced:</p> <ul style="list-style-type: none"> • The Create form page includes a refresh icon next to the Queue name field, which appears when Queue is chosen as a delivery method. When clicked, the refresh icon pulls over the list of queues from the selected environment, allowing the user to select the required queue. Previously, only Hub administrators could refresh the queues through the Environment management page. • The Change type icon has been added to the Create {field type} page for the different field types. This enables a user to select and switch to a different field type. Any information entered on the Create {field type} page will be lost. • The Search fields icon has been added to the Edit form page. When the user clicks this icon, the Search fields panel displays. This enables the user to enter a field type, or part of the name or description to find a field within the form. Any matching results are displayed in the panel. • The Play test area has been moved into a new testing area on the Edit form page. The user can now see an interactive mockup of the final form and test the fields whilst they design and build the form. • Tooltips have been added to non-labelled icons, and Create field or Create rule labels have been added next to the + icons. • When Create another is selected on the Create field page or the Create rule page, the user is returned to the top of page when they create the new page or rule, ready to enter the information for the next item. 	HUB-791

Fixes and improvements

The following fixes and minor improvements are included in this version of Interact.

Area	Description of Change	Reference
Forms	If a Time type field is added to the form and set with an initial state of Read only , the testing area does not allow the user to change the time. Previously, in the Play test area, the user could click the close cross at the end of the time field and then enter a new time.	HUB-694
	An improvement has been made to the display of the prefix characters for a number field type to ensure that the defined prefix characters stay on one line. Previously, if a space was include the Prefix character field when creating a number field, the characters would display on two lines in Play test and in Interact itself. The line break would occur where the space had been entered.	HUB-704

Known issues

A list of any prominent issues with this release is maintained in the knowledge base, click [here](#) for more information.

Secure development policy

As part of our secure development policy, Blue Prism products are evaluated against the following security standards:

- OWASP Top 10 –The security vulnerabilities that pose the most risk to applications development. For more information, see the [OWASP website](#).
- SANS CWE Top 25 – The most common software security vulnerabilities found throughout the software development industry. For more information, see the [SANS website](#).
- Federal Information Processing Standard (FIPS) Publication 140-2 – U.S. government standard that defines minimum security requirements for cryptographic modules in information technology products.
- Payment Card Industry Data Security Standard (PCI DSS).
- Health Insurance Portability and Accountability Act (HIPAA).
- Federal Information Security Management Act (FISMA).

A compliance highlight summary report is available upon request via Product Support.

Interact 4.2 – April 2021

This release note is for the 4.2 release of Blue Prism Interact (Interact) delivered in an on-premise configuration.

Enhancements

The following new features and enhancements are introduced in this version of Interact.

Area	Description of Change
API	Create Submission and Raise Submission now allow the uploading of files. See Web API Service updates on the next page .
Application	The Interact user interface has been redesigned.
History	History is a new tab in Interact. The History tab includes submission history, items waiting for approval and archived items.
Localization	The IMS login page and Interact now display in the language compatible with the user's language settings set in their browser. If the user has an unsupported language selected in their browser settings, English is used as the default. If required, the user can manually change the language they want to use from the drop-down list on the login page.
My Work	My Work is a new tab in Interact. This contains Drafts and Inbox.
Notifications	<p>Notifications is a new feature in Interact. The following types of notifications may display:</p> <ul style="list-style-type: none"> • My submission has been approved • My submission has been declined • Submission requires approval by you • A Digital Worker has assigned a submission to you <p>As part of this enhancement, archived notifications can also be viewed by clicking the View archived notifications link at the bottom of the notification panel. The archived view allows for the filtering of notifications based on type.</p> <p>For more information, see Interact notifications.</p>
Supported software	Interact now supports the use of Azure SQL Database.

Fixes and improvements

The following fixes and minor improvements are included in this version of Interact.

Area	Description of Change
Application	Interact approvers are now required to provide a reason when declining submissions.
Installer	<p>The following changes have been made to the Interact Installer:</p> <ul style="list-style-type: none"> • The screen to install SignalR has been removed, this is now installed as part of the Hub installation. • A screen to configure the IADA SQL connection has been added.

Web API Service updates

The following new features and enhancements are introduced to the Web API Service and the Utility - Interact API Blue Prism VBO in this version of Interact.

Area	Description of Change
Actions	A new Upload File action has been added to the Interact Web API and the Utility - Interact API Blue Prism VBO. Files can now be uploaded and used with the Create Submission and Raise Submission actions.

For more information about the Interact Web API Service, see the [user guide](#).

Interact 4.1 – November 2020

This release note is for the 4.1 release of Blue Prism Interact (Interact) delivered in an on-premise configuration.

Upgrading

The Blue Prism Interact and Hub Upgrader can be downloaded from the customer portal. This easy-to-use tool will upgrade 4.0 to 4.1. For more information, see [Upgrade Hub and Interact 4.0 to version 4.1](#).

Enhancements

The following new features and enhancements are introduced in this version of Interact.

Area	Description of Change
API	<p>Two new APIs have been introduced:</p> <ul style="list-style-type: none"> • Raise Submission – This enables the Digital Worker to raise a submission on behalf of an Interact user. This fundamentally enhances the human-to-Digital Worker collaboration. • Get User by Form Access – This enables the Digital Worker to view the different users who have access to a specified form. This is required by the new Raise Submission API detailed above.
Forms	<p>When an Interact form is submitted to a work queue, the details of the submitter are now included. The submitter's information can be used as part of an automation. This information includes the users Hub ID, username, first name and last name.</p>
Installer	<p>The following enhancements have been made to the Interact installer:</p> <ul style="list-style-type: none"> • Display API key on screen – At the end of the installation, the Interact Remote API secret key displays and can be copied to the users' clipboard. This key is used to set up the Interact APIs in Blue Prism. The key will still be stored in the installation root directory. • Enhanced SQL screens: <ul style="list-style-type: none"> • Test connection button – This ensures that the information entered establishes a successful SQL connection. The installation cannot progress to the next step without a successful connection. • Inherited values from the previous SQL screen – This prevents the user from having to enter the same SQL information across multiple screens.

Fixes and improvements

The following fixes and minor improvements are included in this version of Interact.

Area	Description of Change
Installer	The following improvements have been made to the Interact installer: <ul style="list-style-type: none"> • Increased maximum number of users – Previously the maximum pool size used the default value. The maximum pool size has now been set to 500, thus allowing more users. • Legal and visual enhancements: <ul style="list-style-type: none"> • The End-User License Agreement (EULA) has been reformatted. • The publisher name has been updated to "Blue Prism Limited" throughout the installer.

Web API Service updates

As part of this release of Interact, the Interact API Service release file has been updated to version 1.2.1.

The following new features and enhancements are introduced to the Web API Service and the Utility - Interact API Blue Prism VBO in this version of Interact.

Area	Description of Change
Actions	Version 1.2.1 contains the following new actions: <ul style="list-style-type: none"> • Raise Submission • Get Users by Form Name The following actions are only shown in the Utility - Interact API VBO and map to the Update Config action (Change actions) and the Update Status action (Move actions) in the Web API Service: <ul style="list-style-type: none"> • Change Field State to Optional • Change Field State to Mandatory • Change Field State to Read Only • Change Field State to Hidden • Change Page State to Visible • Change Page State to Hidden • Move Submission to History • Move Submission to Approved • Move Submission to Review • Move Submission to Declined • Move Submission to Draft • Move Submission to Inbox • Move Submission to Archived

Area	Description of Change
Actions	The following actions in the Utility - Interact API VBO have been replaced by the actions above: <ul style="list-style-type: none"> • Update Config • Update Status These two actions will be removed in a future release.

For more information about the Interact Web API Service, see the [user guide](#).

Known issues

A list of any prominent issues with this release is maintained in the knowledge base, click [here](#) for more information.

Interact 4.0 – September 2020

This release note is for the 4.0 release of Blue Prism Interact (Interact) delivered in an on-premise configuration.

Important notices

Please review the [limitations](#) section before installing this release.

Enhancements

The following new features and enhancements are introduced in this version of Interact.

Description
Interact has been migrated to .NET Core 3.1 to ensure supportability.
A new inbox feature has been added to the Submission tab. The inbox is the location which enables human/Digital Worker collaboration. A submission is moved to the inbox through using the Interact Web API service, this in turn allows a user (human) to work collaboratively with the Digital Worker, responding by updating requested information and reviewing returned content.
The Interact installer has been added to manage and coordinate the installation process. Previous the installation required a Blue Prism consultant.
To increase security, code obfuscation has been introduced into Interact in this release.
All sensitive information in appsettings.json for Interact is now encoded.
Load balancing infrastructures are now supported in Interact.

Fixes and Improvements

The table below list the fixes and improvements made to this release of Interact.

Description
To support the on-premise version of Interact, the cloud services have been deprecated and alternatives such as RabbitMQ message broker and file services.
The font face has changed in the user interface to Roboto for all languages except Japanese which uses the Kento font.

Limitations

The table below list the limitations within this release of Interact.

Theme	Description	Workaround
IADA	Number elements are delivered as 'Text' format into a Blue Prism queue	Cast to Number once inside Blue Prism
Get Submission	Number elements are delivered as 'Text' format when using the Get Submission Web API Service	Cast to Number once inside Blue Prism

Theme	Description	Workaround
Get Submission	Retrieving a Date element using the Get Submission Web API Service, returns the Date in 'DateTime' format	Cast to Text once inside Blue Prism. The use of Text is recommended to support the different Date formats within Interact
Create Submission	When creating a new submission using the Web API Service the submission will not be successful if a Number element is left blank	Submit Number element fields with a number set
Create Submission	When creating a new submission using the Web API Service the submission will not be successful if a Radio Group element is left blank	Submit Radio Group element fields with a value set
Create Submission	When creating a new submission using the Web API Service you cannot send anything back when using the Upload element	None, roadmap feature
Edit Submission	When editing a submission using the Web API Service you cannot send anything back when using the Upload element	None, roadmap feature
Interact Form Priority and SLA	Though the Priority and SLA can be set in the Interact Form creator, they have no significance in this release as IADA 'Get Next Prioritized Item' (GNPI) function is not available in an on-premise configuration.	Not applicable
Rules	Rules are not enforced when updating Interact Forms from Blue Prism. For example, a rule that reveals a hidden field when a flag is set, will not be initiated if the flag is set correctly when updated. If the field is not read-only a user can click in the field and then click elsewhere in the Form to see the Rule applied	You can use the Update Config Action in the Interact API Object to replace some rules.
Verification	Regex and other verification such as character string lengths are not enforced when updating Interact Forms from Blue Prism. If the field is not read-only a user can click in the field and then click elsewhere in the Form to see the Rule applied	None