

# Perceptive Experience Content Apps

## Installation and Setup Guide

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# About Perceptive Experience

Perceptive Experience allows you to view and manage your structured and unstructured content with the use of Apps on any device.

With the flexibility of Perceptive Experience you can take content residing in Perceptive Content and further manage or view it from a desktop browser or mobile device.

## Prepare to install Perceptive Experience

These instructions assume that you are installing Perceptive Experience for the first time or that you have no earlier versions of Perceptive Experience running on your computer.

The following steps outline the high-level procedures that you need to perform to install and configure Perceptive Experience, and the information you need to verify before installation.

## Installation overview

During the installation of Perceptive Experience, you perform the following procedures.

1. Install prerequisite applications. To work with Perceptive Content related Apps you must have Integration Server and Apache Tomcat installed.
2. Download and copy files to the web server directory.
3. Enable SSL.
4. Disable HTTP pipelining
5. Optional. Configure SSO
6. Enable `Expires` header in the web application server.

## Download and place files

To download and place files in the web application server directory, complete the following steps.

**Prerequisite** Stop the web application server service.

1. Go to the **Customer Portal**.
2. Click **Downloads**, and search for all downloadable items for this product.
3. Download the application *ZIP* file to a temporary directory on your computer.
4. Create a subdirectory in the *webapps* directory of the web application server. You may name the subdirectory with any name.

**Note:** The default location for the *webapps* directory is *[drive:]\Program Files\Apache Software Foundation\[Tomcat Installation]\webapps\*

5. Extract the files to the subdirectory you created in the previous steps.

**Next** Restart the web application server service.

## Set up SSL

You must configure use of SSL when using Perceptive Experience with Perceptive Integration Server version 7.1.5 or higher. To configure use of SSL you must do so on your web application server.

SSL configuration cannot be completed within Perceptive Experience. For more information refer to your specific web server help documentation.

## Disable HTTP pipelining

You should disable HTTP pipelining for the Apache Tomcat web server used to access Perceptive Experience Apps. If pipelining is used by a browser accessing the Experience environment, users may encounter errors when loading packages in your environment. To disable HTTP pipelining, complete the following steps.

1. Navigate to the Tomcat *server.xml* file.

The default location for the system configuration file is *[drive:]\Program Files\Apache Software Foundation\[Tomcat Installation]\conf*

2. Add either the `maxKeepAliveRequests` or `restrictedUserAgents` attributes within the `Connector` section of the Tomcat *server.xml* file

Attribute	Valid value
<code>maxKeepAliveRequests</code>	1
<code>restrictedUserAgents</code>	A comma separated list of regular expressions identifying HTTP clients that should not use HTTP/1.1 or HTTP/1.0 Keep Alive even if client support is specified.

## Optional. Configure Perceptive Experience for single sign-on

Single sign-on (SSO) allows users to access the system by authenticating with an external identity provider. Currently Perceptive Experience is the only Perceptive product that supports Integration Server's SSO configuration. To enable single sign-on for Perceptive Experience, complete the following steps.

**Prerequisite** You must configure the Integration Server for single sign-on. For Integration Server configuration instructions see the *Perceptive Integration Server Installation and Setup Guide*.

1. Stop the web application server.
2. Navigate to the root folder on the installation directory for **Perceptive Experience**.
3. Protect the *sso* folder found at *rootpath/packages/framework-core/sso*.
4. Open the *config.json* file in a text editor.

The default location for the Perceptive Experience configuration file is *[drive:]\Program Files\Apache Software Foundation\[Tomcat Installation]\webapps\<subdirectory>*.

5. Add the `clientSession` parameter to specify the server connection. The valid entry for sso is

```
framework-core:SsoClientSession.
```

### Example

```
"framework-core": {  
    "clientSession": "framework-core:SsoClientSession",  
    "loggingMethod": "Console"  
},
```

**Note:** When adding parameters to the config.json file, add a comma between each parameter.

6. Restart the application server.

## X.509 SSO Certificate Support

Perceptive Experience Apps utilizing Perceptive Integration Server support LDAP authentication with X.509 client certificates.

Using Perceptive Experience Apps in a browser supports the use of multiple client certificates. Perceptive Experience for Windows Desktop supports the import of a single X.509 client certificate.

## About using cache headers with Perceptive Experience

To ensure that the web application displayed in a web browser is current, configure the web application server to send an `Expires` header.

Web browsers cache data fetched from the web application server on the initial web page load. On subsequent page loads, the server determines if the browser has the most current content saved in the cache. If the content is current, the server returns a 304 response, and the browser continues to use the cached content. If data on the server has changed since the last request, the content in the browser's cache is considered stale. The server then returns new content and the browser updates the cache with the new content.

Some browsers do not make a call to the server to check for new data unless the cached version is considered expired. These browsers only consider data expired if there is an indicator in the web server response, such as an `Expires` header.

To avoid displaying old content when a new version of an application is deployed, the web server should send an `Expires` header in the response. Browsers that rely on an `Expires` header make a call to the server after the specified expiration time and retrieve any updates to an application file.

## Enable Expires header

You must use an `Expires` header to ensure the application runs correctly and invalid content is not displayed to users. To configure Apache Tomcat to use an `Expires` header, complete the following steps.

1. Navigate to the Apache Tomcat *conf* directory. The default location is *[drive:]\Program Files\Apache Software Foundation\[Tomcat Installation]\conf\*
2. Open the *web.xml* file with a text editor and add the following code to the file.

## Example

```
<web-app>

  <filter>

    <filter-name>ExpiresFilter</filter-name>

    <filter-class>org.apache.catalina.filters.ExpiresFilter</filter-
class>

    <init-param>

      <param-name>ExpiresDefault</param-name>

      <param-value>now plus 0 minutes</param-value>

    </init-param>

  </filter>

  <filter-mapping>

    <filter-name>ExpiresFilter</filter-name>

    <url-pattern>/*</url-pattern>

    <dispatcher>REQUEST</dispatcher>

  </filter-mapping>

  ...
```

**Result** In the example above, content expires immediately, so all browsers will always ask if the cached copies of files need updating. You can modify the `param-value` content to suppress the check for a set amount of time after the web browser saves the data, but the browser will not display updates to the application until the amount of time defined by `param-value` has passed. During the time that the check for new content is suppressed, it is possible that an application will stop functioning properly.

## Start Perceptive Experience

To start Perceptive Experience complete the following steps.

**Prerequisite** Ensure that you have the latest Internet browser installed.



1. Open your browser and enter the **Perceptive Experience** URL. The URL format is *http://<server name>:<port number>/<subdirectory>*, where *<server name>* and *<port number>* are placeholders for the name of the computer and the port number where you installed **Perceptive Experience**. The subdirectory is the location within the web application server where you installed **Perceptive Experience**.

**Note:** The default port number for the Apache Tomcat web application server is 8080.

2. Enter your `user name` and `password`.
3. Select **Connect**.

## View package version information



To view the packages and dependencies installed, complete the following steps.

1. Select **Profile** .
2. Select **Settings** .
3. Select **About**.

Under **Packages and Dependencies**, the name and version number of packages and dependencies are listed.

## Choose a logging level

To set the logging level for the current user, complete the following steps.

1. Select **Profile** .
2. Select **Settings** .
3. Under **Global** select one of the following logging levels.
  - To set the maximum logging level, select **All Messages**.
  - To set the default logging level, select **Warnings and Errors**.
  - To set the minimum logging level, select **Errors Only**.

## About using Apache Tomcat compression settings

You can implement Apache Tomcat web server compression options to save bandwidth as files are delivered to the browser. Saving bandwidth during file transmission can decrease the initial load time of the framework and packages.

There are several settings you can modify within the Tomcat *server.xml* file to implement file compression. The default location for the *server.xml* file is *[drive:]\\Program Files\\Apache Software Foundation\\[Tomcat Installation]\\conf\\*.

For more information, refer to the Tomcat help documentation on the Apache website.

## Action toolbar configuration

The Action toolbar is a shared toolbar that contains functionality for all actions in Perceptive Experience. You can customize this toolbar by configuring the *priority*, *groupId* and *isVisible* settings in the platform-specific, phone or desktop, section of each action in the config.json file.

### Note:

You can easily update the json.config file by using a text editor, such as Notepad++. This file, by default, is located at *[drive:]\\Program Files\\Apache Software Foundation\\[Tomcat Installation]\\webapps\\<subdirectory>*. For more information, see the **config.json properties** section of this document.

*priority* allows you to indicate the location of an action or group of actions on the toolbar. A group's *priority* determines the location of where that group is on the toolbar. If an action has a *groupId*, the action's *priority* determines the order in which actions display within its group. If an action is not in a group, the action's *priority* determines the order in which it displays relative to other groups and other actions that are not in groups.

*groupId* allows you to combine actions within a set group. This setting is optional. There are three existing action groups.

- *output-actions-group*: You can configure the *priority* of this group in the *les-rdk-fpa-action-export-native* section. The default is 1100.
- *page-actions-group*: You can configure the *priority* of this group in the *les-rdk-fpa-indocumentviewer* section. The default is 400.
- *additional-actions-group*: You can configure the *priority* of this group in the *lesrdl-content-actions-workflow* section. The default is 1200.

You can also create additional groups and add actions to them by setting the *groupId*.

*isVisible* allows you to configure the visibility of actions on the toolbar. If you set *isVisible* to `true`, the system displays the action on the toolbar. If you set it to `false`, the system does not display the action. The default is `true`.

## Create a toolbar group

Complete the following steps to create additional Action toolbar groups.

1. Go to the default location for the system configuration file, `[drive:]\Program Files\Apache Software Foundation\[Tomcat Installation]\webapps\<subdirectory>`.
2. Open the *config.json* file using a text editor.
3. If necessary, add the `les-rdk-fpa-action-manager` section to the file.
4. In the `les-rdk-fpa-action-manager` section, add the `customActionGroups` section.
5. In the `customActionGroups`, add the following properties.
  - *id*: The ID that is referenced in an individual action's *groupId*.
  - *name*: The name that displays in the action menu on mobile devices.
  - *desktop/phone priority*: Determines the order in which actions displays on the toolbar.

### Example

```
{
  "les-rdk-fpa-action-manager": {
    "customActionGroups": [
      {
        "id": "my-custom-action-group",
```

```

    "name": "My Custom Actions",
    "desktop": {
      "priority": 1400
    },
    "phone": {
      "priority": 1000
    }
  },
  {
    "id": "another-custom-actions-group",
    "name": "More Custom Actions",
    "desktop": {
      "priority": 200
    },
    "phone": {
      "priority": 200
    }
  }
]
},
"les-rdk-fpa-indocumentviewer": {
  "add-page-action": {
    "desktop": {
      "priority": 1,
      "groupId": "my-custom-action-group"
    }
  }
}
}

```

**6. Save the file.**



# config.json properties

The following list provides information about the properties defined in the *config.json* file. The *config.json* file contains runtime parameters that can be defined by an administrator.

The default location for the system configuration file is *[drive:]\Program Files\Apache Software Foundation\Tomcat Installation\webapps\<subdirectory>*.

## general-settings

### helpPage

Specifies the help landing page for the active module. This page information is appended to the `helpUrl` to form a complete context sensitive URL address.

### helpUrl

Specifies the URL for online help. Valid values include any URL.

### pathDelimiter

Specifies the character used to separate values in the path that displays the folder location.

## framework-brand

### productName

Specifies the abbreviated name of the product.

### productFullName

Specifies the full name of the product.

### loginLogo

Specifies the path to the logo that is displayed when logging into the desktop client.

### loginLogoMobile

Specifies the path to the logo that is displayed when logging into the mobile client.

### headerLogo

Specifies the path to the logo that is displayed in the application header.

### headerBreadcrumbColor

Specifies the hexadecimal color for the application breadcrumbs.

### headerBackgroundColor

Specifies the hexadecimal color for the application header background.

## headerForegroundColor

Specifies the hexadecimal color for the application header foreground.

## headerTitleColor

Specifies the hexadecimal color for the application header title.

For example:

```
"framework-brand": {  
  "en": {  
    "productName": "perceptive",  
    "productFullName": "Perceptive Experience Content Apps 2.4.0",  
    "loginLogo": "./resources/images/perceptive_login_258.png",  
    "loginLogoMobile": "./resources/images/perceptive_login_258.png",  
    "headerLogo": "./resources/images/perceptive_header_96.png",  
    "headerBreadcrumbColor": "#000000",  
    "headerBackgroundColor": "#ffffff",  
    "headerForegroundColor": "#000000",  
    "headerTitleColor": "#118dcd"  
  }  
}
```

## framework-core

### cookieSameSitePolicy

Specifies the SameSite policy for cookies.

Valid values are *Unset*, *None*, *Lax* and *Strict*. If you do not define a value, *Unset* is used. If you define any value besides *Unset*, the *Secure* attribute is also set on the cookie.

For example, "cookieSameSitePolicy": "Unset"

## **clientSession**

By default, this property is not defined. Specifies the current server connection that the application is using.

Valid values for `clientSession` include `framework-core:SsoClientSession`, `lesrdl-content-integrationserver:ClientSession`.

## **sessionTimeoutInSeconds**

Specifies the duration of time, in seconds, that a session can remain inactive before the system logs the current user out of the application.

Valid values are any integer. If set to 0 or -1, the system disables automatic logout.

## **loggingMethod**

Specifies the way users can review log contents.

Valid entries include the following values.

- `externalwindow` - Use this property for web-based applications to display the log in a new browser tab or window.
- `console` - Use this property for web-based applications to display the log in the browser console.

## **loggingLevel**

Specifies the messages that displays to the user in the application log.

Valid entries include the following values.

- `VERBOSE`
- `INFO`
- `WARNING`
- `ERROR`
- `CRITICAL`

## **logoutRedirect**

Specifies the URL the system redirects to upon log out for systems utilizing single sign on. The URL can be a relative or absolute path.

## **framework-runtime**

### **preloadModules**

These entries are required system settings. Do not modify entries in the `preloadModules` section of the `config.json` file.

## **modules**

Specifies the modules currently loaded into the application that users can access from the launcher.

## **inactiveModules**

Specifies any Apps that should not be available to users from the Experience Home page. If you do not want the icon for an App that is provided by default at installation to appear on the Home page, move the full name of the desired package from the `modules` section to this section.

## **framework-shell**

### **defaultHomeRoute**

Specifies the default home route for URL navigation. If unset, the value is `home`.

### **disableSslWarning**

By default, this property is not defined. Add this property and populate it with a `true` value to disable the warning that displays when the application uses a non-secure connection. Setting this property to `true` transmits unencrypted user names and passwords.

### **routeTimeout**

Specifies the time in milliseconds to wait before determining navigation has failed. If unset, the value is 5000.

## **les-rdk-fpa-action-email**

The properties you can define in the `les-rdk-fpa-action-email` section of the `config.json` file are listed below.

## **email-action**

This action allows the user to email a link to a Perceptive Content document, task, folder or workflow item.

The default for *priority* is 400.

The default for *groupId* is `output-actions-group`.

The default for *isVisible* is `true` for desktop and `false` for mobile.

### **to**

Specifies the email address of the recipient.

### **cc**

Specifies a carbon copy of an email when the user wants to include someone other than the direct recipient.

### **bcc**

Specifies a blind carbon copy of an email when the user does not want the other recipients to see who else is included in the email.

### **subject**

Specifies a subject of an email where the user can add a short description of the main content.

### **preBody**

Specifies the section where the user can add any content before a document or a workflow item link.

### **postBody**

Specifies the section on complimentary closure, such as "Thanks & regards".

## Example

```
...
"les-rdk-fpa-action-email": {
  "email-action": {
    "desktop": {
      "priority": 400,
      "groupId": "output-actions-group",
      "isVisible": true
    },
    "phone": {
      "priority": 400,
      "groupId": "output-actions-group",
      "isVisible": false
    },
    "document": {
      "cc": "cc_recipient@domain.com",
      "to": "to_recipient@domain.com",
      "subject": "Perceptive Content Document",
      "bcc": "bcc_recipient@domain.com",
      "postBody": "\nRegards,",
      "preBody": "\n\nBelow are links to the documents:\n\n"
    },
    "task": {
      "cc": "cc_recipient@domain.com",
      "to": "to_recipient@domain.com",
      "subject": "Perceptive Content Document",
      "bcc": "bcc_recipient@domain.com",
      "postBody": "\nRegards,",
      "preBody": "\n\nBelow are links to the documents:\n\n"
```

```

    },
    "workflow": {
        "cc": "cc_recipient@domain.com",
        "to": "to_recipient@domain.com",
        "subject": "Perceptive Content Workflow Item",
        "bcc": "bcc_recipient@domain.com",
        "postBody": "\nRegards,",
        "preBody": "\n\nBelow are links to the workflow items:\n\n"
    },
    "folder": {
        "cc": "cc_recipient@domain.com",
        "subject": "Perceptive Content Folder Content",
        "to": "to_recipient@domain.com",
        "preBody": "\n\nBelow are links to the folder
contents:\n\n",
        "bcc": "bcc_recipient@domain.com",
        "postBody": "\nRegards,"
    }
}
}
...

```

## les-rdk-fpa-action-export-native

### output-actions-group

The default for *priority* is 1100.

### export-native-action

This action allows the user to convert a document to its native file format.

The default for *priority* is 100.

The default for *groupId* is output-actions-group.

The default for *isVisible* is true.

## Example

```
...
"les-rdk-fpa-action-export-native": {
  "output-actions-group": {
    "desktop": {
      "priority": 1100
    },
    "phone": {
      "priority": 1100
    }
  },
  "export-native-action": {
    "desktop": {
      "priority": 100,
      "groupId": "output-actions-group",
      "isVisible": true
    },
    "phone": {
      "priority": 100,
      "groupId": "output-actions-group",
      "isVisible": true
    }
  }
}
...
```

**les-rdk-fpa-action-export-pdf**



## export-pdf-action

This action allows the user to convert a document to PDF.

The default for *priority* is 200.

The default for *groupId* is output-actions-group.

The default for *isVisible* is true.

## Example

```
...
"les-rdk-fpa-action-export-pdf": {
  "export-pdf-action": {
    "desktop": {
      "priority": 200,
      "groupId": "output-actions-group",
      "isVisible": true
    },
    "phone": {
      "priority": 200,
      "groupId": "output-actions-group",
      "isVisible": true
    }
  }
}
...
```

## les-rdk-fpa-action-print-document

### print-document-action

This action allows the user to print a document.

The default for *priority* is 300.

The default for *groupId* is output-actions-group.

The default for *isVisible* is true.

**preferenceWindow**

Specifies the printing preferences. Displays a window for taking print preferences from the user. The default value is `true`.

**Note:** Other print configuration options are overlooked if `preferenceWindow` value is `true`.

**pdfConversion**

Converts all the pages into a single PDF file and displays it in your web browser. The default value is `false`.

**enableAnnotations**

Specifies if the annotations are printed. Valid values include `true` or `false`.

**hideAnnotationTypes**

Hides the annotations where the user has “hide” privilege. Expected values are `all` or `false`. When `hideannotationtypes = all`, annotations where the user has “hide” privilege are hidden. Setting any other value defaults to `false` and displays all annotation types.

**coverPage**

Specifies if the cover page of a document is to be printed. The default value is `false`.

**pageSize**

Specifies the paper size printed. The default value is `letter`.

**width**

Specifies the width of the image rendition in pixels.

**height**

Specifies the height of the image rendition in pixels.

## Example

```
...
"les-rdk-fpa-action-print-document": {
  "print-document-action": {
    "desktop": {
      "priority": 300,
      "groupId": "output-actions-group",
      "isVisible": true
    },
    "phone": {
      "priority": 300,
      "groupId": "output-actions-group",
      "isVisible": true
    },
    "preferenceWindow": true,
    "enableAnnotations": true,
    "pageSize": "letter",
    "width": "720",
    "height": "1080",
    "hideAnnotationTypes": "",
    "coverPage": true,
    "pdfConversion": false
  }
}
...
```

## les-rdk-fpa-action-version-control

## version-control-action

This action allows the user to add a document to version control.

The default for *priority* is 200 for desktop and 600 for mobile.

The default for *groupId* is additional-actions-group.

The default for *isVisible* is true.

## Example

```
...
"les-rdk-fpa-action-version-control": {
  "version-control-action": {
    "desktop": {
      "priority": 200,
      "groupId": "additional-actions-group",
      "isVisible": true
    },
    "phone": {
      "priority": 600,
      "groupId": "additional-actions-group",
      "isVisible": true
    }
  }
}
...
```

## les-rdk-fpa-indocumentviewer

### page-actions-group

The default for *priority* is 400.

### **add-page-action**

Allows the user to add pages to an existing document.

The default for *priority* is 400 for desktop and 600 for mobile.

The default for *isVisible* is `true`.

### **create-annotation-action**

Allows the user to add an annotation to an existing image.

The default for *priority* is 300 for desktop and 500 for mobile.

The default for *isVisible* is `true`.

### **delete-page-action**

Allows the user to delete pages in an existing document.

The default for *priority* is 900.

The default for *groupId* is `page-actions-group` for phone.

The default for *isVisible* is `true`.

### **download-page-action**

Allows the user to download a page in its original format from the viewer.

The default for *priority* is 800.

The default for *groupId* is `page-actions-group` for phone.

The default for *isVisible* is `true`.

### **zoom-best-fit-action**

Allows the user to find the optimal fit of a page in a document.

The default for *priority* is 200.

The default for *groupId* is `page-actions-group` for phone.

The default for *isVisible* is `true`.

### **zoom-fit-to-height-action**

Allows the user to adjust the page to the height of the pane.

The default for *priority* is 300.

The default for *groupId* is `page-actions-group` for phone.

The default for *isVisible* is `true`.

### **zoom-fit-to-width-action**

Allows the user to adjust the page to the width of the pane.

The default for *priority* is 400.

The default for *groupId* is `page-actions-group` for phone.

The default for *isVisible* is `true`.

### **zoom-one-hundred-action**

Allows the user to immediately reset the document size its original size of 100%.

The default for *priority* is 500.

The default for *groupId* is `page-actions-group` for phone.

The default for *isVisible* is `true`.

### **rotate-clockwise-action**

Allows the user to rotate the page 90 degrees to the right.

The default for *priority* is 700 for desktop and 300 for mobile.

The default for *groupId* is `page-actions-group`.

The default for *isVisible* is `true`.

### **rotate-counter-clockwise-action**

Allows the user to rotate the page 90 degrees to the left.

The default for *priority* is 600 for desktop and 200 for mobile.

The default for *groupId* is `page-actions-group`.

The default for *isVisible* is `true`.

### **Example**

```
...
"les-rdk-fpa-indocumentviewer": {
  "page-actions-group": {
    "desktop": {
      "priority": 400
    },
    "phone": {
      "priority": 400
    }
  }
}
```

```
    }
  },
  "add-page-action": {
    "desktop": {
      "priority": 400,
      "groupId": "",
      "isVisible": true
    },
    "phone": {
      "priority": 600,
      "groupId": "",
      "isVisible": true
    }
  },
  "create-annotation-action": {
    "desktop": {
      "priority": 300,
      "groupId": "",
      "isVisible": true
    },
    "phone": {
      "priority": 500,
      "groupId": "",
      "isVisible": true
    }
  },
  "delete-page-action": {
    "desktop": {
      "priority": 900,
```

```
        "isVisible": true
    },
    "phone": {
        "priority": 900,
        "groupId": "page-actions-group",
        "isVisible": true
    }
},
"download-page-action": {
    "desktop": {
        "priority": 800,
        "isVisible": true
    },
    "phone": {
        "priority": 800,
        "groupId": "page-actions-group",
        "isVisible": true
    }
},
"zoom-best-fit-action": {
    "desktop": {
        "priority": 200,
        "isVisible": true
    },
    "phone": {
        "priority": 200,
        "groupId": "page-actions-group",
        "isVisible": true
    }
}
```



```
},
"zoom-fit-to-height-action": {
  "desktop": {
    "priority": 300,
    "isVisible": true
  },
  "phone": {
    "priority": 300,
    "groupId": "page-actions-group",
    "isVisible": true
  }
},
"zoom-fit-to-width-action": {
  "desktop": {
    "priority": 400,
    "isVisible": true
  },
  "phone": {
    "priority": 400,
    "groupId": "page-actions-group",
    "isVisible": true
  }
},
"zoom-one-hundred-action": {
  "desktop": {
    "priority": 500,
    "isVisible": true
  },
  "phone": {
```

```
        "priority": 500,
        "groupId": "page-actions-group",
        "isVisible": true
    }
},
"rotate-clockwise-action": {
    "desktop": {
        "priority": 700,
        "groupId": "page-actions-group",
        "isVisible": true
    },
    "phone": {
        "priority": 300,
        "groupId": "page-actions-group",
        "isVisible": true
    }
},
"rotate-counter-clockwise-action": {
    "desktop": {
        "priority": 600,
        "groupId": "page-actions-group",
        "isVisible": true
    },
    "phone": {
        "priority": 200,
        "groupId": "page-actions-group",
        "isVisible": true
    }
}
}
```

```
}  
...  
}
```

## les-rdk-fpa-inpageviewer

The properties you can define in the `les-rdk-fpa-inpageviewer` section of the `config.json` file are listed below. These properties are not defined by default but can be set when an app utilizes the `les-rdk-fpa-inpageviewer` package.

### maxWidth

Specifies the width of the image rendition in pixels.

### maxHeight

Specifies the height of the image in pixels.

**Note:** The values of `maxHeight` and/or `maxWidth` can only be positive integers.

### noRenditionFileTypes

Helps bypass rendition calls for certain file types. You may not use rendition calls for some browser-supported file types as they can utilize the browser capabilities.

**Note:** Browsers such as Microsoft Internet Explorer, Microsoft Edge, and Safari natively support the rendering of TIFFs. Use the latest version of `file-image-service` when using the latest version of `Perceptive Content`.

In the example mentioned below, rendition call is bypassed for JPEG and JPG files.

```
"noRenditionFileTypes" : ["JPEG", "Jpg"]
```

**Note:** Values of this property are not case-sensitive.

### pageCacheSize

Specifies the cache size that the viewer holds.

The default value of `pageCacheSize` is "50". If `pageCacheSize` is set lower than the default value, the viewer renders the specified value. For example, `"les-rdk-fpa-indocumentviewer" : {"pageCacheSize" : 25}`.

If `"pageCacheSize"` is set higher than the default value, the viewer overlooks the value and considers the default value of 50.

If `"pageCacheSize"` is set higher than the default value, the viewer overlooks the value and considers the default value of 50.

## lesrdl-content-actions-workflow

### **additional-actions-group**

The default for *priority* is 1200.

### **add-to-workflow-action**

Allows the user to add an item to workflow.

The default for *priority* is 300.

The default for *groupId* is additional-actions-group.

The default for *isVisible* is true.

### **open-in-workflow-action**

Allows the user to open an item in the workflow environment.

The default for *priority* is 400.

The default for *groupId* is additional-actions-group.

The default for *isVisible* is true.

### **remove-from-workflow-action**

Allows the user to remove an item from workflow.

The default for *priority* is 500.

The default for *groupId* is additional-actions-group.

The default for *isVisible* is true.

### **route-back-action**

Allows the user to send a queue item back to the previous queue.

The default for *priority* is 1400 for desktop and 800 for mobile.

The default for *groupId* is additional-actions-group.

The default for *isVisible* is true.

### **route-forward-action**

Allows the user to send a queue item to the next queue in the workflow process flow.

The default for *priority* is 1500 for desktop and 900 for mobile.

The default for *groupId* is additional-actions-group.

The default for *isVisible* is true.

### **workflow-hold-action**

Allows the user to place a queue item on hold for a duration that you specify.

The default for *priority* is 1300 for desktop and 700 for mobile.

The default for *groupId* is additional-actions-group.

The default for *isVisible* is true.

## Example

```
...
"lesrdl-content-actions-workflow": {
  "additional-actions-group": {
    "desktop": {
      "priority": 1200
    },
    "phone": {
      "priority": 1200
    }
  },
  "add-to-workflow-action": {
    "desktop": {
      "priority": 300,
      "groupId": "additional-actions-group",
      "isVisible": true
    },
    "phone": {
      "priority": 300,
      "groupId": "additional-actions-group",
      "isVisible": true
    }
  },
  "open-in-workflow-action": {
    "desktop": {
      "priority": 400,
      "groupId": "additional-actions-group",
      "isVisible": true
    },
    "phone": {
      "priority": 400,
      "groupId": "additional-actions-group",
      "isVisible": true
    }
  }
}
```

```
    "phone": {
      "priority": 400,
      "groupId": "additional-actions-group",
      "isVisible": true
    }
  },
  "remove-from-workflow-action": {
    "desktop": {
      "priority": 500,
      "groupId": "additional-actions-group",
      "isVisible": true
    },
    "phone": {
      "priority": 500,
      "groupId": "additional-actions-group",
      "isVisible": true
    }
  },
  "route-back-action": {
    "desktop": {
      "priority": 1400,
      "groupId": "",
      "isVisible": true
    },
    "phone": {
      "priority": 800,
      "groupId": "",
      "isVisible": true
    }
  }
}
```

```

    },
    "route-forward-action": {
      "desktop": {
        "priority": 1500,
        "groupId": "",
        "isVisible": true
      },
      "phone": {
        "priority": 900,
        "groupId": "",
        "isVisible": true
      }
    },
    "workflow-hold-action": {
      "desktop": {
        "priority": 1300,
        "groupId": "",
        "isVisible": true
      },
      "phone": {
        "priority": 700,
        "groupId": "",
        "isVisible": true
      }
    }
  }
  ...

```

**lesrdl-content-contenttree**



### **openInNewTab**

Specifies whether content opened from the folder viewer opens in a new browser tab.

The default value for *priority* is 100.

The default value for *isVisible* is true.

### **edit-page-label-action**

This action allows the user to edit the label on a page.

The default for *priority* is 100.

The default for *groupId* is blank.

The default for *isVisible* is true.

### **Example**

```
...
"lesrdl-content-contenttree": {
  "openInNewTab": false,
  "edit-page-label-action": {
    "desktop": {
      "priority": 100,
      "groupId": "",
      "isVisible": true
    }
  }
}
...
```

## **lesrdl-content-folders-core**

### **move-content-action**

This action allows the user to move a document to a drawer or a folder.

The default for *priority* is 200.

The default for *groupId* is additional-actions-group.

The default for *isVisible* is true.

## Example

```
...
"lesrdl-content-folders-core": {
  "move-content-action": {
    "desktop": {
      "priority": 200,
      "groupId": "additional-actions-group",
      "isVisible": true
    },
    "phone": {
      "priority": 200,
      "groupId": "additional-actions-group",
      "isVisible": true
    }
  }
}
...
```

## lesrdl-content-forms

The property you can define in the `psw-content-forms` section of the `config.json` file is listed below.

### loadByDefault

Specifies whether the first form in the list displays by default when viewing the Forms pane. The default setting is false.

## lesrdl-content-integrationserver

### serverUrl

Specifies the URL to Integration Server, which should be a relative path.

### heartbeatIntervallInSeconds

Specifies how often, in seconds, the application verifies its connection to ImageNow Server.

## lesrdl-content-properties

**displaySettings:**

These optional settings are divided into subsections that correspond to the App presenting the Properties pane such as Documents, Folders, Tasks or Workflow. Modify settings in the appropriate subsection.

This version of Perceptive Experience Content Apps implements the Properties pane display settings as defined in the config.json file regardless of the current user's privileges. User privileges are enforced when a document is saved.

**Property values**

Valid values for all properties include `enabled`, `disabled` and `hidden`.

- `enabled`- Input is visible on the user interface and can be modified by the user
- `disabled`- The input is visible on the user interface but cannot be modified by the user.
- `hidden` - The input is not visible on the user interface.

**name**

Specifies the display of the Name field in the Document Properties and Folders Properties panes.

The default value is `disabled`.

**location**

Specifies the display of the Drawer or Path field in the Document Properties and Folders Properties panes.

The default value is `disabled`.

**keys**

Specifies the display of the Field1 through Field5 fields in the Document Properties pane.

The default value is `disabled`.

**type**

Specifies the display of the Type field in the Document Properties and Folders Properties panes.

The default value is `disabled`.

**customProperties**

Specifies the display of the Custom Properties pane in the user interface.

The default value is `disabled`.

**notes**

Specifies the display of the Notes pane in the user interface.

The default value is `disabled`.

## pageProperties

Specifies display of the Page Properties pane in the user interface.

pageProperties is always disabled unless the value is set to hidden

## lesrdl-content-retention-holds

### retention-holds-action

This action allows the user to apply a retention hold to a document that is currently under a retention policy.

The default for *priority* is 100.

The default for *groupId* is additional-actions-group.

The default for *isVisible* is true.

### Example

```
...
"lesrdl-content-retention-holds": {
  "retention-holds-action": {
    "desktop": {
      "priority": 100,
      "groupId": "additional-actions-group",
      "isVisible": true
    },
    "phone": {
      "priority": 100,
      "groupId": "additional-actions-group",
      "isVisible": true
    }
  }
}
...
```

## lesrdl-content-search-controls

## **vsl-extended-operators-enabled**

Specifies whether Perceptive Content adds the “contains” and “ends with” operators in the quick search options.

The default value is `false`.

**Note:** When set to true, Perceptive Content includes the additional search operators.

## **contentCapture**

The properties you can define in the contentCapture section of the config.json file are listed below.

### **postSaveScriptName**

Specifies the post-save iScript file.

### **toolkitDownloadLocation**

Specifies the URL of the Perceptive Web Scan installer.

### **sourceProfileToScannerPageSizeMapping**

Specifies the Perceptive Content source profile page size available for mapping.

```
"contentCapture": { "sourceProfileToScannerPageSizeMapping": [
"letter:/letter/i", "legal:/legal/i", "a4:/a4/i", "a5:/a5/i", "a6:/a6/i",
"b5:/b5/i", "b6:/b6/i", "executive:/executive/i", "us check:/check/i",
"custom:/custom/i", "business card:/card/i", "scanner maximum:/maximum/i"
] }
```

### **profileNameToSource**

Specifies mapping between a capture profile name and capture source identifier.

## **groupSeparation**

Specifies whether multi-doc capture capability is enabled. If the groupSeparation setting is present and either of the settings, eachPage or eachScan are set to true, then multi-doc capture capability is enabled.

The default value for eachScan is `false`.

The default value for eachPage is `false`.

The default value for blankPage is `false`.

## Example

```
...  
"groupSeparation": {  
  "eachScan": false,  
  "eachPage": false  
  "blankPage": false  
}  
...
```