



MAX

Discover What's New in Adobe Digital Enterprise Platform Document Services Designer 10.0

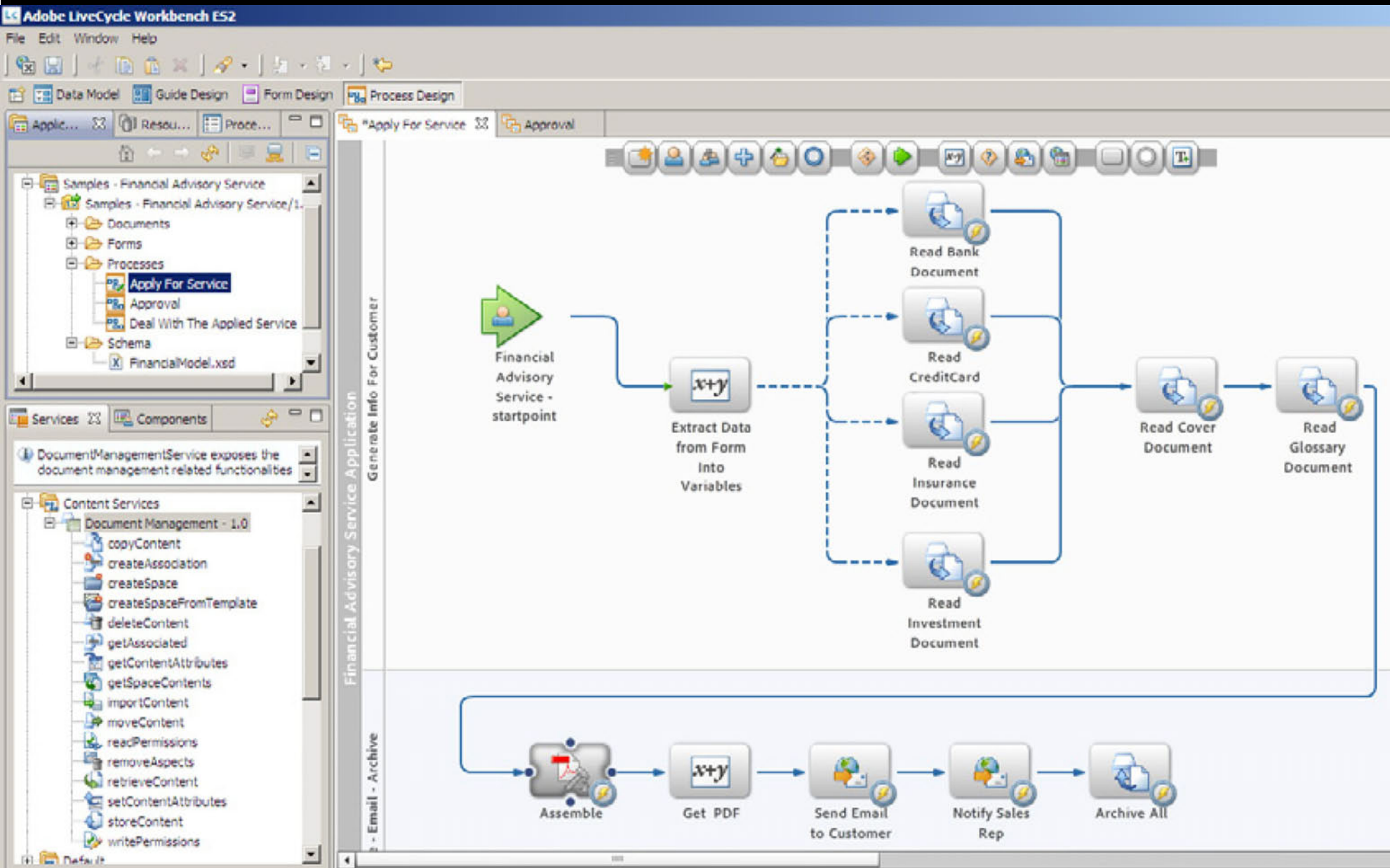
Niall O'Donovan | Assure Dynamics



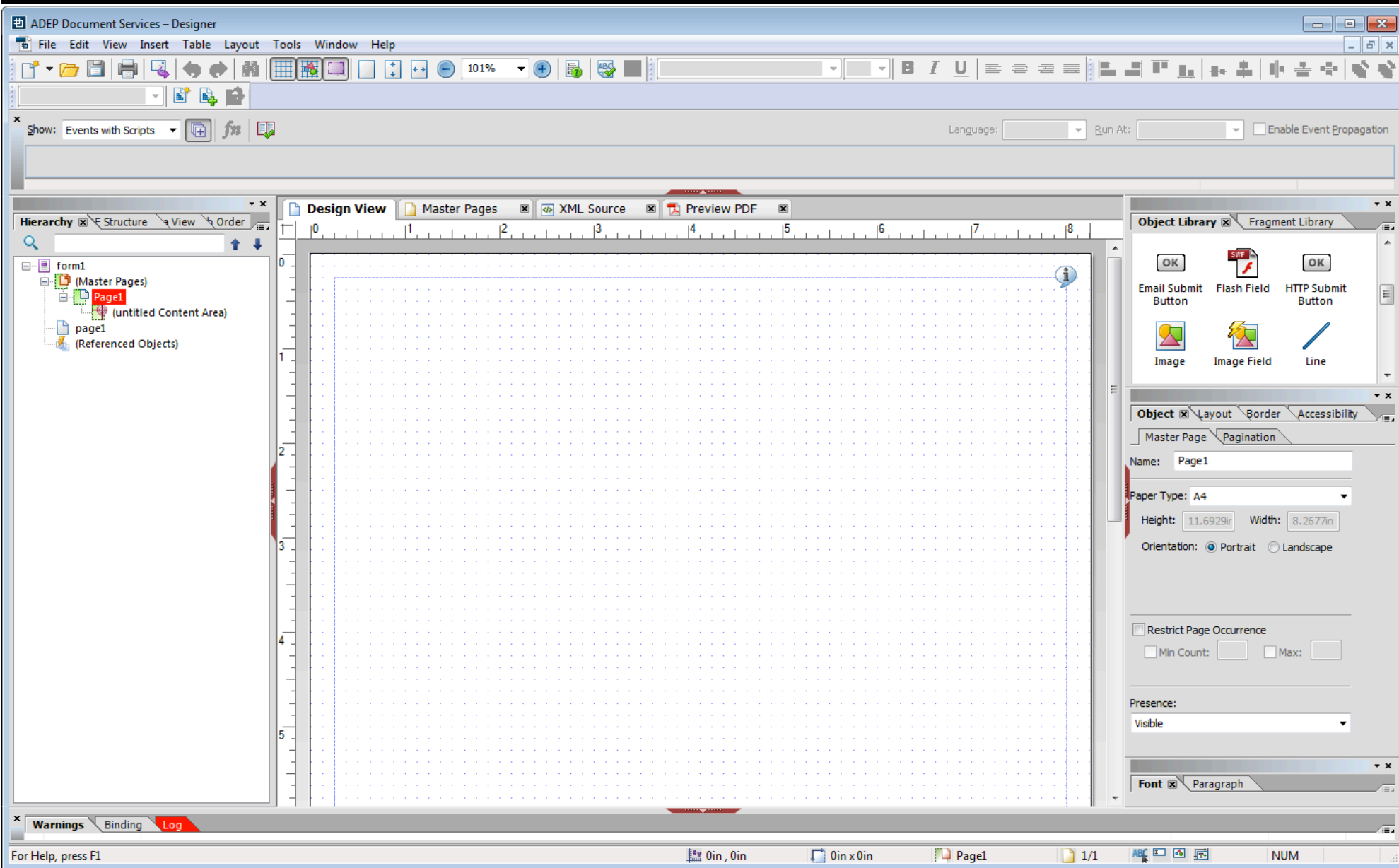
Customer experience management does not start here



Customer experience management does not even start here



Customer experience management starts here!



- Add Flash content to a form.
- Control object formatting using style sheets.
- Access Solutions, such as Interactive Statements.
- More new features are included, but we'll discuss those later.



Flash in Adobe XML Forms Architecture (XFA) is easy!

The screenshot displays the Adobe XML Forms Architecture (XFA) software interface. The main workspace is a large grid with a ruler at the top. On the right side, there is a vertical toolbar with icons for various form elements: Date Field, Date/Time Field, Decimal Field, Signature Field, Drop-down List, Email Submit Button, Flash Field, and HTTP Submit Button. Below the toolbar is a property panel with tabs for 'Object', 'Layout', 'Border', and 'Accessibility'. The 'Object' tab is active, showing settings for 'Page 1'. The 'Master Page' and 'Pagination' sub-tabs are also visible. The 'Name' field is set to 'Page 1'. The 'Paper Type' is set to 'A4'. The 'Height' is 11.6929r and the 'Width' is 8.2577r. The 'Orientation' is set to 'Portrait'. There are checkboxes for 'Restrict Page Occurrence', 'Min Count', and 'Max'. The 'Presence' dropdown is set to 'Visible'.



Set the URL for the swf

Set image, swf deactivated

Settings for interacting with swf

The screenshot shows the 'Object' properties dialog box for a 'Flash Field'. The 'Field' tab is selected. The 'Type' is set to 'Flash Field'. The 'Caption' is 'My First Flash Field'. The 'URL' is '.\AHSC T5000 Training\T5000 -'. The 'Embed Flash Data' checkbox is checked. The 'Poster' is also '.\AHSC T5000 Training\T5000 -' and the 'Embed Poster Image' checkbox is checked. At the bottom, there is a table with the following properties and values:

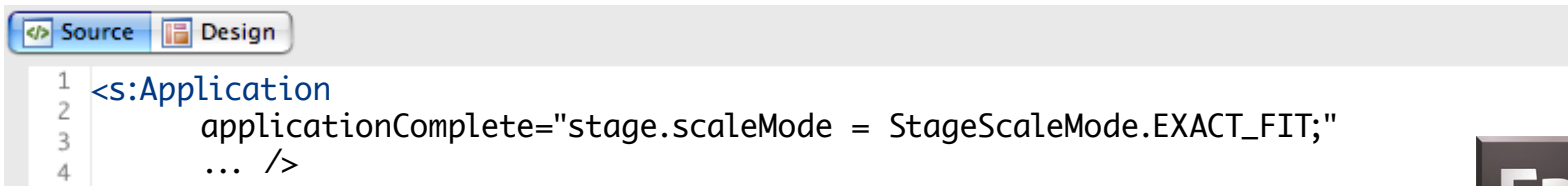
Property	Value
Activation	Explicit
Deactivation	Explicit
Pass Context Click	No

Adobe Digital Enterprise Platform Document Services - Designer 10.0

- Designer includes a new Flash Field object.
- Requires Acrobat or Adobe Reader 10 or later (preferably 10.1 or later).
- Set Target Version option to Acrobat and Adobe Reader 10.0 or later.
- Save form as Adobe Dynamic XML Form (*.pdf).

Adobe Flash Builder 4.5.0

- Use Flash Builder 4.5.0 (or the Flex 4.5.0 SDK).
- Set Flex Build Path to Merged into Code.



```
1 <s:Application
2     applicationComplete="stage.scaleMode = StageScaleMode.EXACT_FIT;"
3     ... />
```



Passing data to the embedded Flash field object

```
Source Design
1 private function start():void {
2     // Setup interface: registering the swf updateName function in the form
3     ExternalInterface.addCallback("updateName" , updateName);
4
5 }
6
```



```
Show: exit
form1.page1.#variables[0].comms - (JavaScript, client)
1 // Call the registered swf function updateName and pass data
2 FlashField.ui.exObject.invoke("updateName", empDetails);
3
4
```




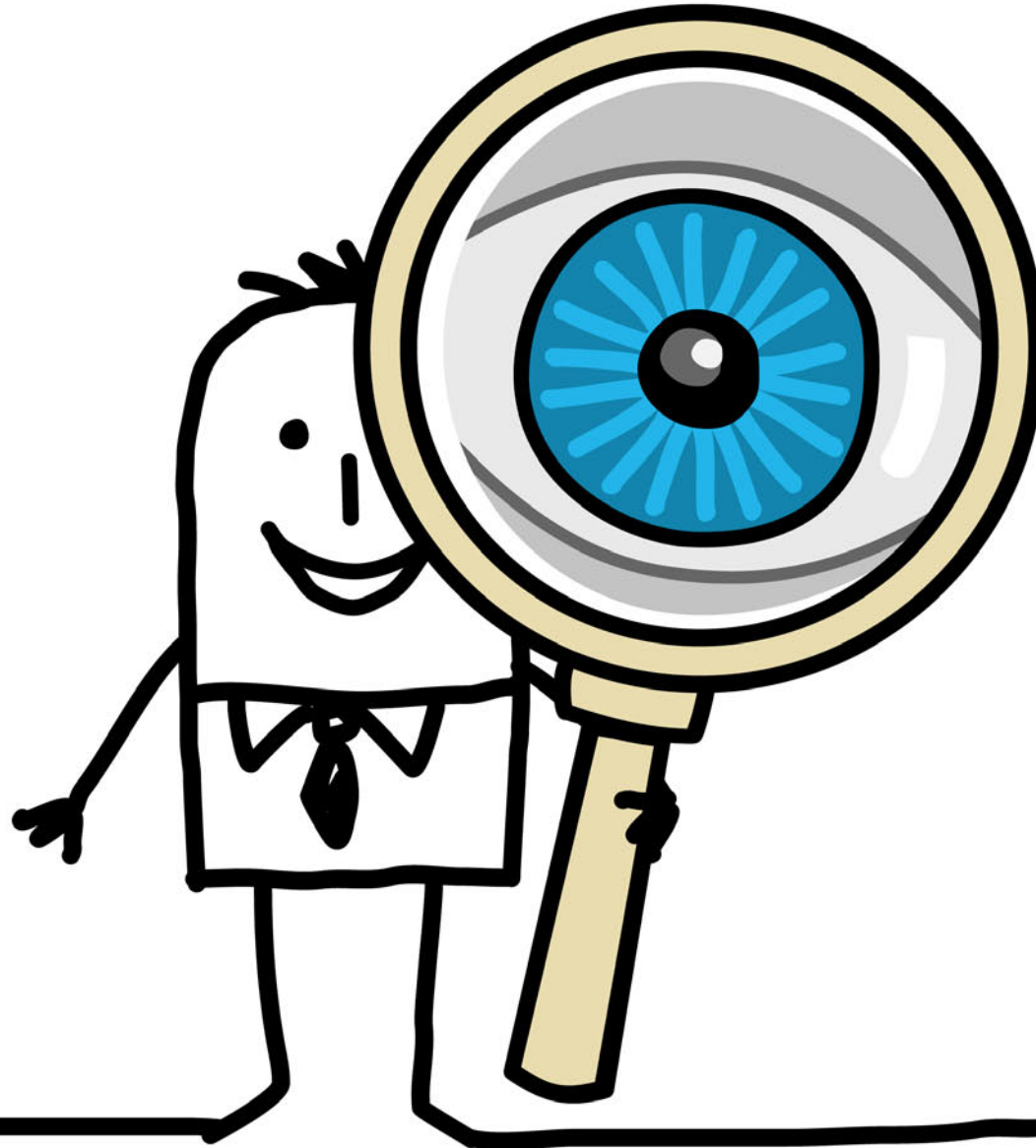
Passing data back to the XFA form

```
Source Design
1 private function sendPic():void {
2     ExternalInterface.call("comms.photo" , encodedPhoto, encodedQR);
3
4 }
5
```



```
Show: exit
form1.page1.#variables[0].comms - (JavaScript, client)
1 function photo(encodedPhoto, encodedQR) {
2     yourPhoto.rawValue = encodedPhoto;
3     yourQRCode.rawValue = encodedQR;
4 } // End of function
5
6
```





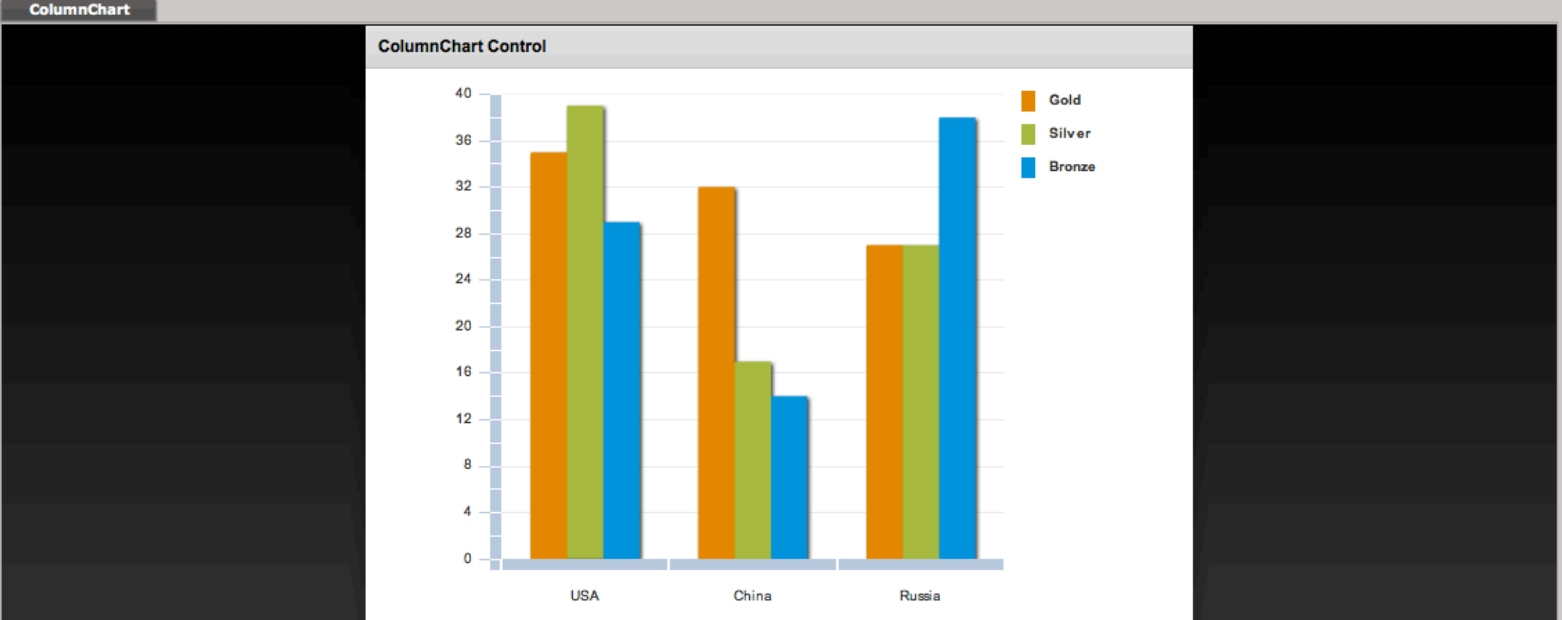
Search Filter

- Introduction to Flex
- Flex 4.5 (NEW**)
- Flex Mobile (NEW**)
- Flex 4
 - Read Me
 - Components
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 - Charts
 - AreaChart
 - BarChart
 - BubbleChart
 - CandlestickChart
 - ColumnChart**
 - HLOCChart
 - LineChart
 - PieChart
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 - Flex 3
 - AIR Applications
 - Flash Player APIs - new in 10.
 - Flex Data Access

Flex 4 - ColumnChart
Author: Adobe Systems, Inc.
Date Added: 2010-03-22

ColumnChart

Comments Download Open in Browser Toggle Layout



sample.xml TDFPanelSkin.xml Reference

```
<?xml version="1.0" encoding="utf-8"?>
<s:Application xmlns:fx="http://ns.adobe.com/mxml/2009"
  xmlns:s="library://ns.adobe.com/flex/spark"
  xmlns:mx="library://ns.adobe.com/flex/mx"
  skinClass="TDFGradientBackgroundSkin"
  viewSourceURL="srcview/index.html">

  <fx:Script>
    <![CDATA[
      import mx.collections.ArrayCollection;

      [Bindable]private var medalsAC:ArrayCollection = new ArrayCollection( [
        { Country: "USA", Gold: 35, Silver:39, Bronze: 29 },
        { Country: "China", Gold: 32, Silver:17, Bronze: 14 },
        { Country: "Russia", Gold: 27, Silver:27, Bronze: 38 } ] );
    ]]>
  </fx:Script>
```

ADEP Designer - Setting up a form for Flash

Flash Builder 4.5.0

assure 

Basic setup in ADEP Designer

Make sure that you open your form in ADEP Designer (version 10 or above). The Flash object is not available in earlier versions of Designer.

Essentials:

- In the **File > Form Properties > Defaults** set the **Target Version** to **10.0 or later**. Users will need either **Acrobat X** or **Adobe Reader X** (version 10.1.0 or later) to properly view the form.
- Save the form as a **Dynamic XML Form** in the save-as dialog.
- Drag a Flash object onto the form and associate with a swf file. In the **Object > Field palette**, tick **Embed Flash Data**.
- Size the Flash object to the **same aspect ratio** as the dimensions of the swf in Flash Builder.
- Setup the Flash object as you want it to appear on the form. For example, when how the swf is activated, deactivated and if it is to appear in a floating window.
- Setup a script object, in which you can place functions to communicate with the swf. This will centralise your script and you can then decide which objects in your form will call the functions.

Setting up ADEP Designer to send data to the embedded Flash asset (swf)

Once the swf is activated, it will fire its creationComplete script and the `updateName()` function will be registered in the XFA form. Note:

- The Flash object's classname is `exObject`. You can invoke the registered function in the swf, using this script:

```
Show: exit
form1.page1.$variables[0].comms - (JavaScript, client)
1 // Call the registered swf function updateName and pass data
2 FlashField.ui.exObject.invoke("updateName", empDetails);
3
4
```

- In this script, `FlashField` is the name of the Flash object. `updateName` is the function in the swf and `empDetails` is the single parameter that the function is expecting.

Setting up ADEP Designer to receive data from the embedded Flash asset (swf)

The swf will call the `photo` function and pass through the two parameters from the swf. You can then use this data to update objects in your form:

- The parameters have the same name as those used in the swf's `ExternalInterface.call()`, but that is just for convenience. We could have used different names for the parameters in the XFA form.

```
Show: exit
form1.page1.$variables[0].comms - (JavaScript, client)
1 function photo(encodedPhoto, encodedQR) {
```

Basic setup in Flash Builder

Flash Builder 4.5.0 is the official supported version for developing Flash assets (.swf) for ADEP Designer's Flash object.

Essentials:

- If using **Flash Builder 4.5.1**, make sure you set the **Flex Compiler** to **Flex 4.5.0**.
- Set the **Flex Build Path** to **Merged into code**. This will package all of your code into the .swf.
- Include an **applicationComplete** line to re-size the swf, as the user re-sizes/zooms the PDF:

```
Source Design
1 <s:Application
2     applicationComplete="stage.scaleMode = StageScaleMode.EXACT_FIT;"
3     ... />
```

- You will use **ActionScript** in Flash Builder to create functions that will communicate with the XFA form.

Developing the swf in Flash Builder to receive data from the XFA form

You need to include script in the swf that allows the communication between the XFA form and the swf. You use the `ExternalInterface.addCallback()` to register the functions:

- For example, within the swf we have a function `updateName()`. In order for the XFA form to see and call the function, we first need to register it. The following is run at `creationComplete`:

```
Source Design
1 private function start():void {
2     // Setup interface: registering the swf updateName function in the form
3     ExternalInterface.addCallback("updateName", updateName);
4
5 }
6
```

- The `ExternalInterface.addCallback()` has two parameters: the first parameter is the name that the XFA form will use to call the function. The second parameter is the name of the function within the swf. For simplicity, we have used the same name in the XFA form and in the swf.

Developing the swf in Flash Builder to send data to the XFA form

To push data back into the XFA form, you will need to use the `ExternalInterface.call()` to fire the script in the form:

- For example, the following ActionScript function calls the `photo` function that is in the `comms` script object, in the XFA form. The `photo` function in the XFA form is expecting two parameters:

```
Source Design
1 private function sendPic():void {
2     ExternalInterface.call("comms.photo", encodedPhoto, encodedQR);
3 }
```

- Provides consistent control of object formatting.
- Functions as a **PULL** mechanism, where you can pull styles from common styles or similar objects.
- Does not function as a **PUSH** mechanism, like cascading style sheets.



Style sheets are easy!

The screenshot shows the Adobe InDesign interface with a document titled "ADEP Document Services - Designer - [Assure Dynamics Training Request.pdf]". The document is in "Design View" and displays a form titled "Style Sheets - Training Course Request" with the "assure" logo. The form contains a paragraph of text and a form titled "Assure Dynamics ADEP Training Course Application Form" with the following fields:

Name	<input type="text"/>
Company	<input type="text"/>
Email address	<input type="text"/>
State	California <input type="text"/>
Phone number	<input type="text"/>
Training center	<input type="text"/>
Course requirements and learning objectives	<input type="text"/>

The paragraph text reads: "This example demonstrates how to setup and use Style Sheets. The form has an internal Style Sheet for objects in the form. The internal styles inherit global styles from the external Style Sheet (*Assure Dynamics Style Sheet 01*)." An information icon is visible in the top right corner of the text box.

My special form, with an internal style sheet

Name

Company

```
4508     <text name="version">10.0.0.0.20110524.1.838850</text>
4509 </desc>
4510 <proto>
4511     <subform name="designer__stylesheet">
4512         <field name="TextField_MultiLine">
4513             <ui>
4514                 <textEdit>
```

My special form, with an internal style sheet

Name

Company



<proto>

My special form, pulling an external style sheet

Name

Company



This is a Style Sheet

It is useful to place objects in the Style Sheet, so that you can apply and preview the appearance of the styles.

This is a Header

Text Field

Text Field

Numeric Field

My special form, pulling external style sheets

Name

Company



This is a Style Sheet

It is useful to place objects in the Style Sheet, so that you can apply and preview the appearance of the styles.

This is a Header

Text Field

Text Field

Numeric Field

This is a Style Sheet

It is useful to place objects in the Style Sheet, so that you can apply and preview the appearance of the styles.

This is a Header

Text Field

Text Field

Numeric Field

Style sheets can be BOTH internal and external

My special form, using both internal and external

Name

Company

```
4507 </desc>
4508 <text name="version">10.0.0.0.20110524.1.838850</text>
4509 </desc>
4510 <proto>
4511 <subform name="designer_stylesheet">
4512 <field name="TextField_MultiLine">
4513 <ui>
4514 <textEdit>
```



This is a Style Sheet

It is useful to place objects in the Style Sheet, so that you can apply and preview the appearance of the styles.

This is a Header

Text Field

Text Field

Numeric Field

This is a Style Sheet

It is useful to place objects in the Style Sheet, so that you can apply and preview the appearance of the styles.

This is a Header

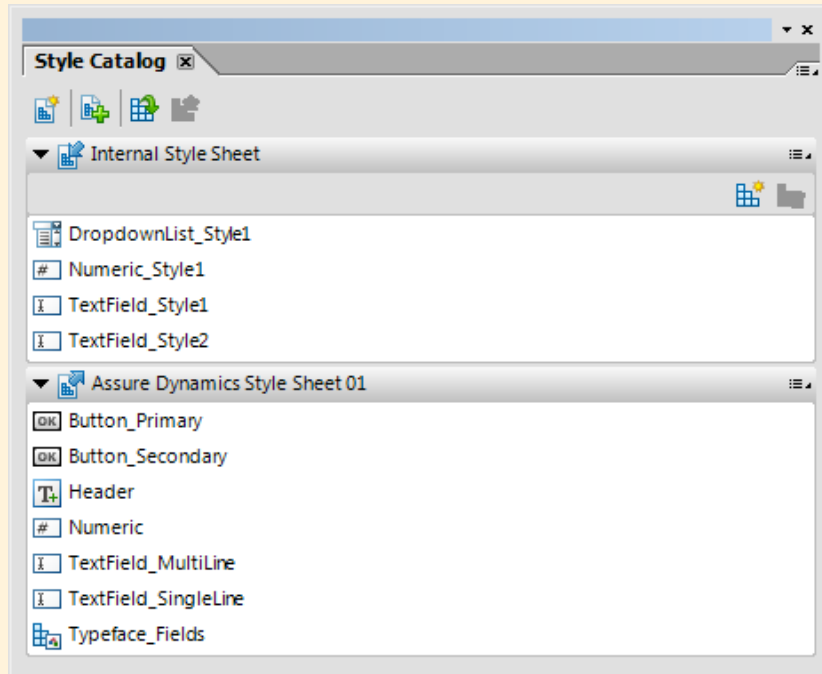
Text Field

Text Field

Numeric Field

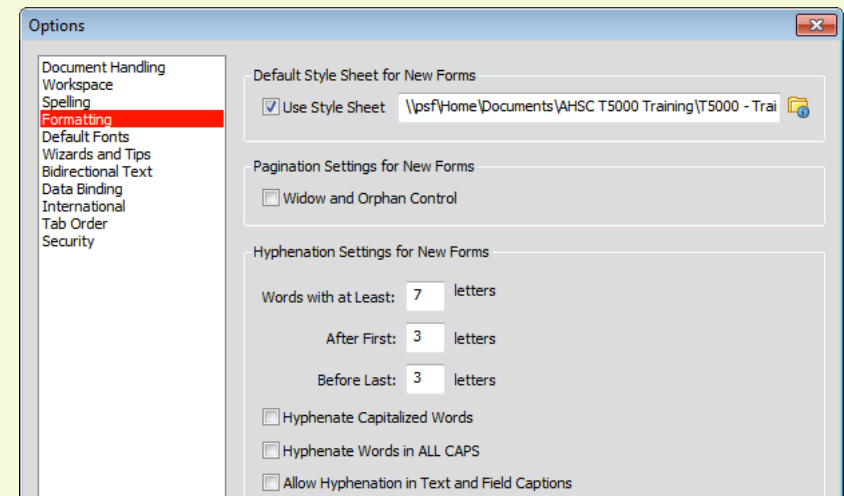
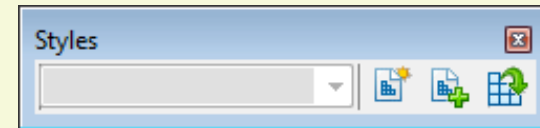
Style Catalog

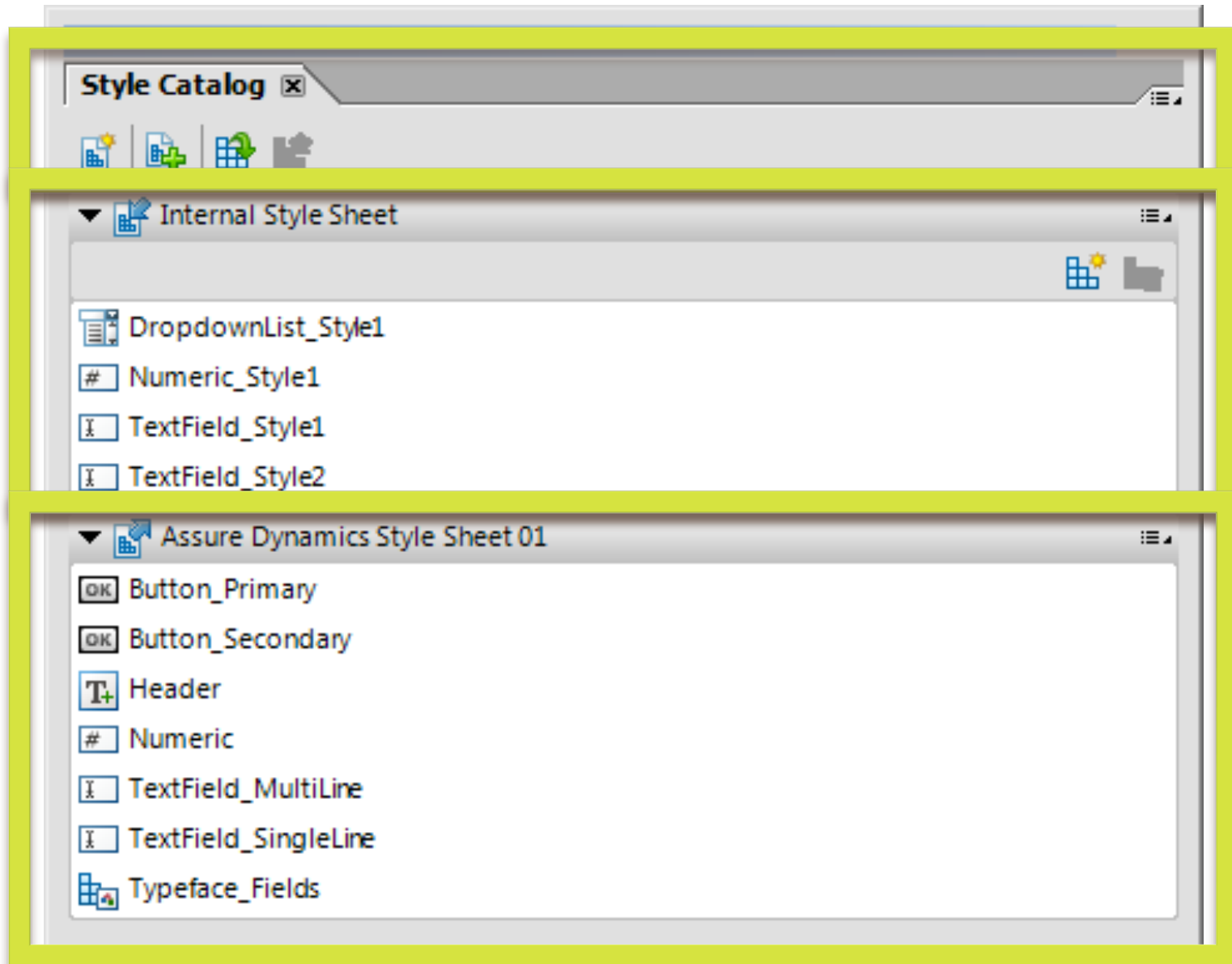
Use when defining the styles



Style Toolbar & Options

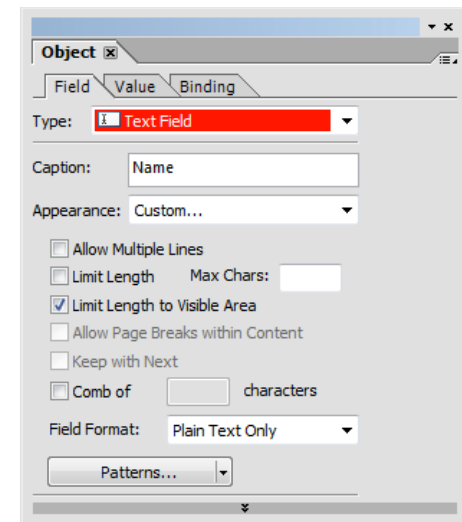
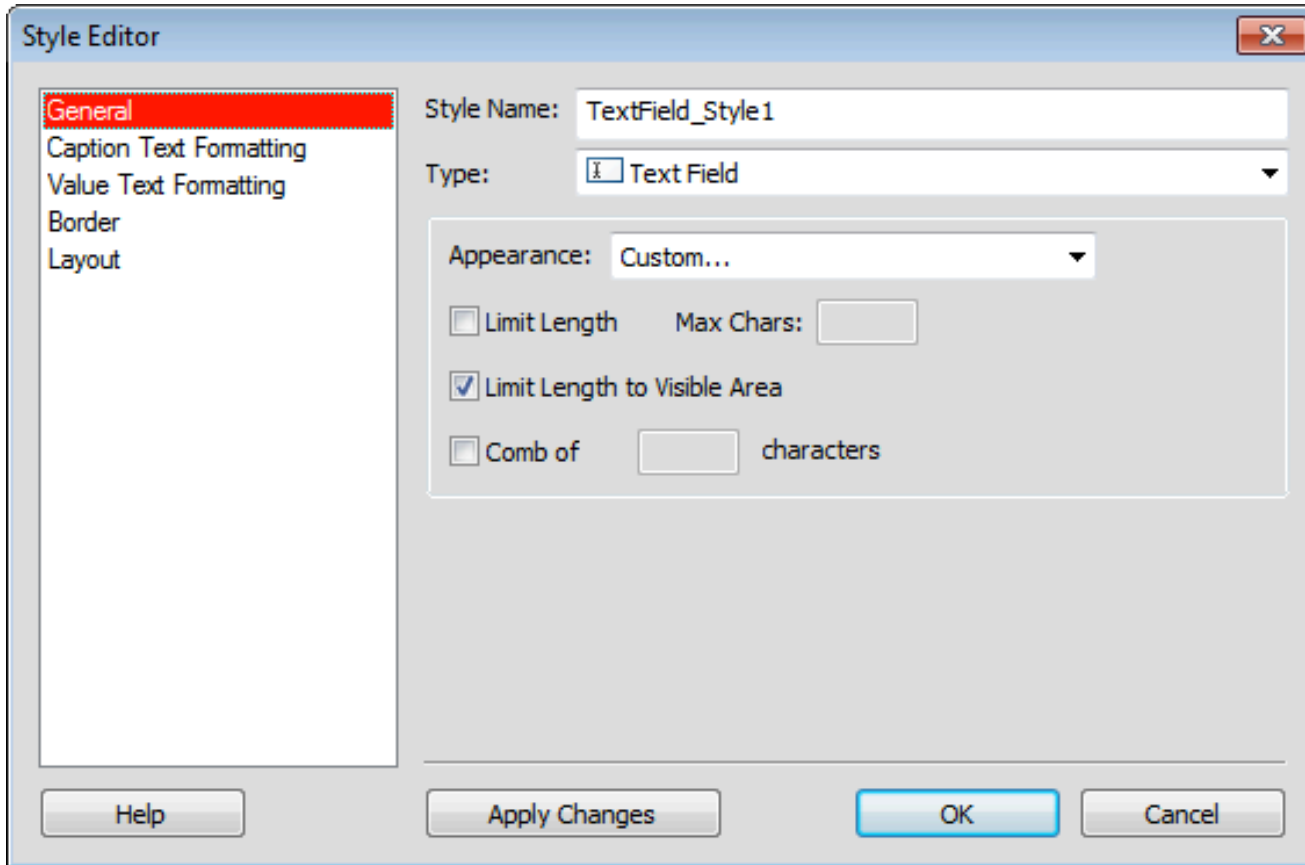
Use when applying styles



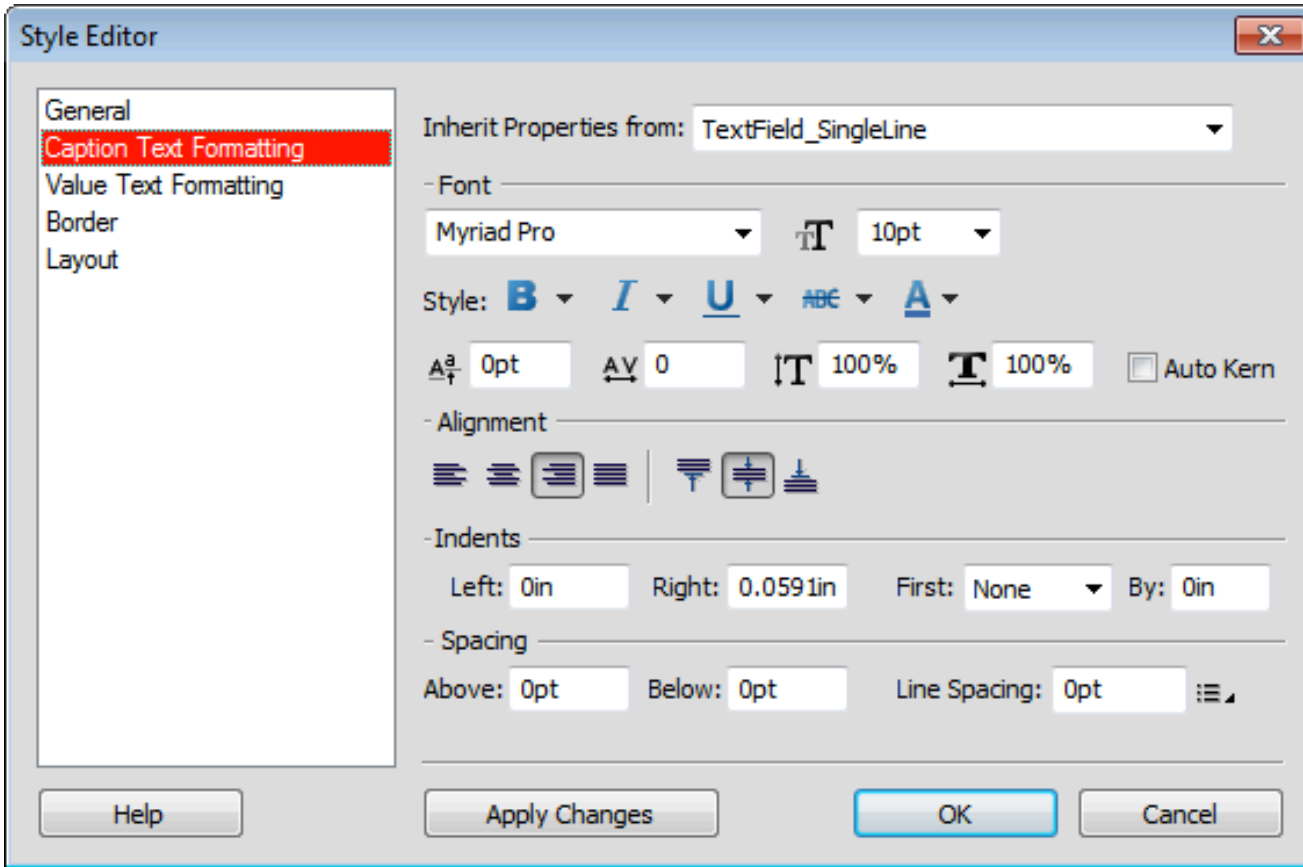


New style editor tools

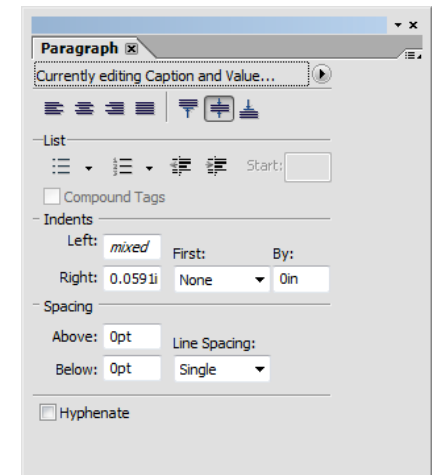
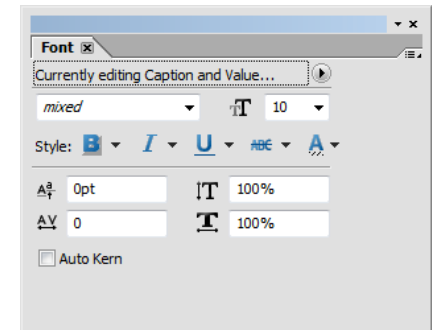
Existing tools



New style editor tools

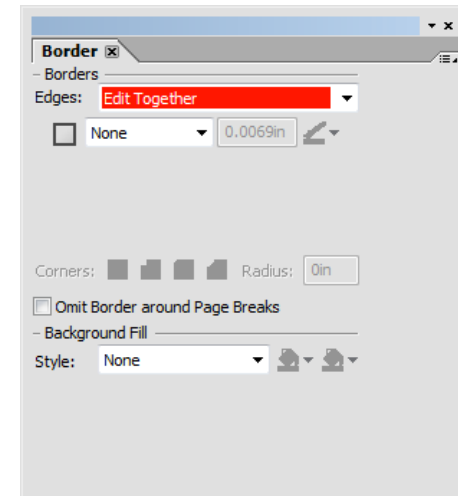
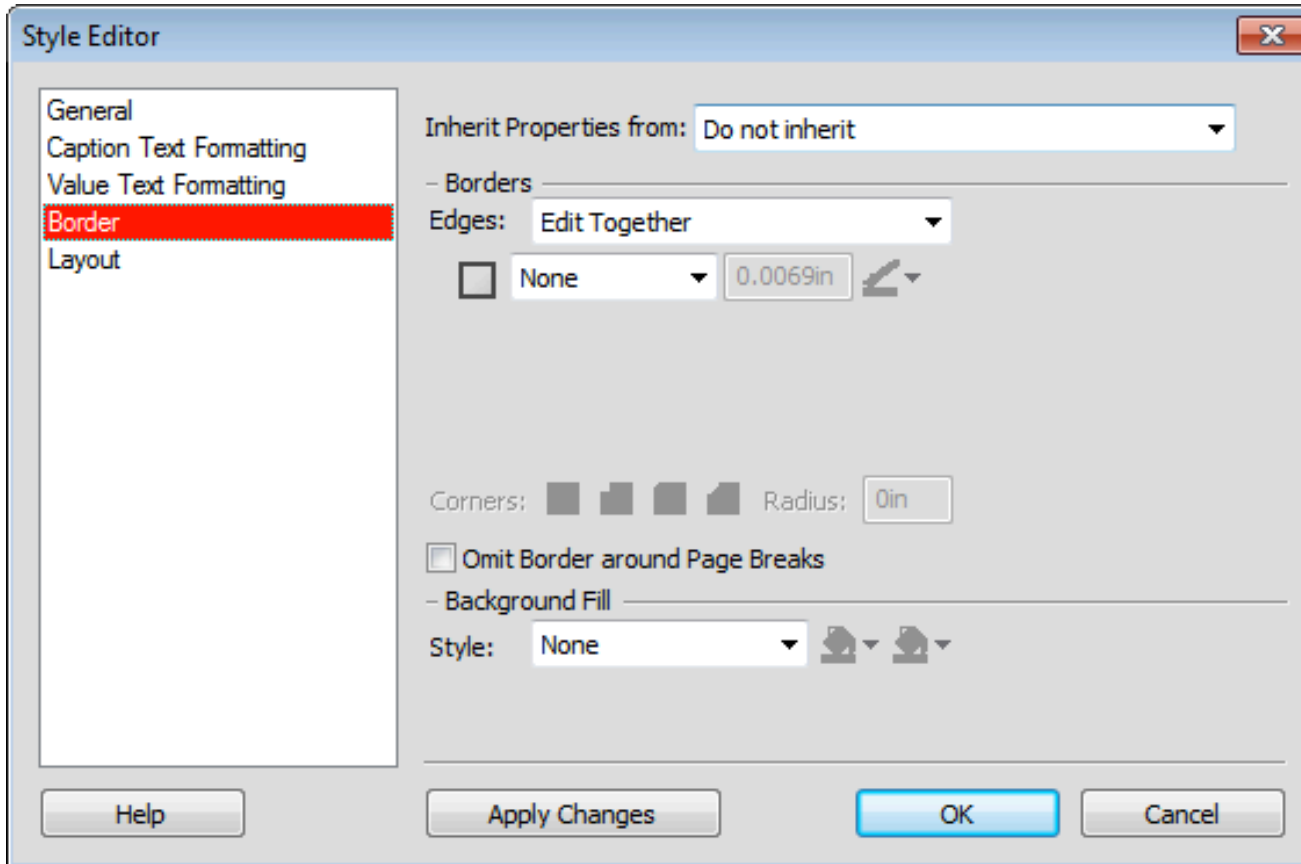


Existing tools



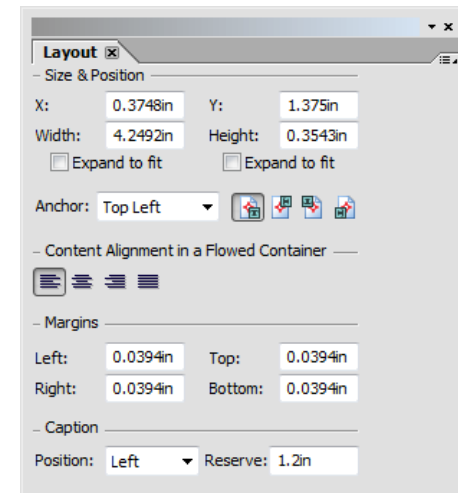
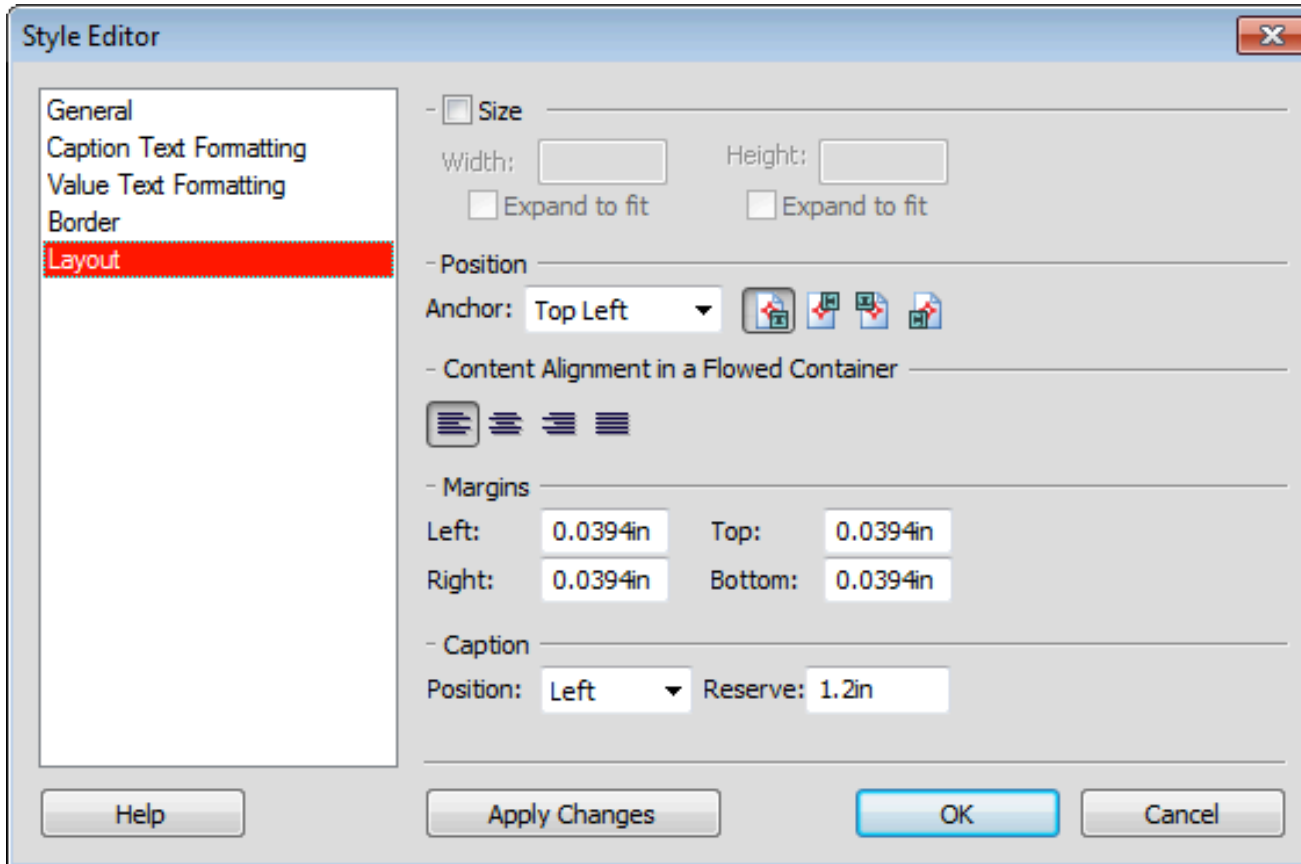
New style editor tools

Existing tools



New style editor tools

Existing tools



What can you apply styles to?



Signature Field



Button



Exclusion Group



List Box



Password Field



Radio Button



Date/Time Field



Subform



Decimal Field



Drop-down List



Text



Check Box



Numeric Field



Image Field



Text Field



Flash Field

Common Style

Used to set global properties for text and borders



How styles are inherited

Common style



- Text formatting
- Border

Individual styles



Text Field

- *Inherits Text formatting*
- *Does not inherit Border*



Signature Field

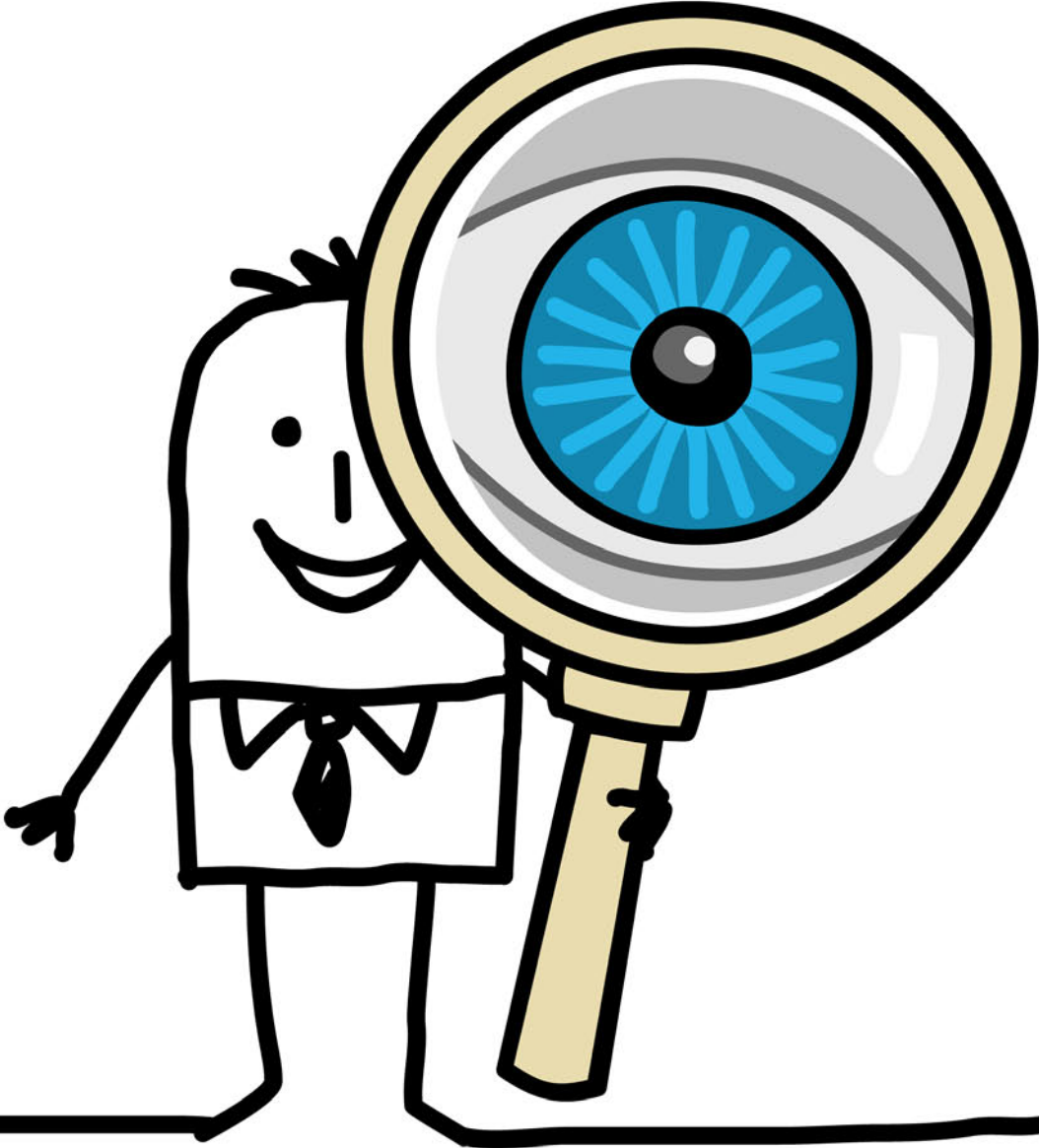
- *Does not inherits Text formatting*
- *Does not inherit Border*



Numeric Field

- *Inherits Text formatting, but overrides some features*
- *Inherit Border*





- Let's bring some of the new features together!
- Organisations want to move from paper to electronic solutions.
- Interactive Statements provide:
 - a rich user experience.
 - brand touch point.
 - customer engagement.
 - self-service.
 - advertisements.

Brand

Engage

Dialog

Statement Rewards Terms

Welcome, John Jacobs [Help](#)

Printable version Send to Print

Open a Tax-Free Savings Account

You can earn significant investment income tax-free!

APPLY NOW!

Statement

Closing balance: **\$2,277.14**

Opening balance: **\$523.50**

Payment due date: **24 07 2010**

New charges: **\$2,277.14**

Credit limit: **\$15,000.00**

Payment Calculator

Monthly payment:

Paid off in: **32 months**

Assuming APR of 18.00% and no additional charges. Minimum payment of \$91.08

Category Spending

Category	Spending
Dining	\$166.73
Entertainment	\$120.00
Home	\$49.99
Household	\$15.00
Retail	\$248.87
Transportation	\$39.76

Transaction History

Date	Name	Category	Amount
23 07 2010	House Cleaning Inc.	Household	\$49.99
18 07 2010	Coffee Shop	Dining	\$10.50
18 07 2010	Opera House	Entertainment	\$120.00
17 07 2010	Burger Restaurant	Dining	\$16.73
17 07 2010	Dry Cleaning Co.	Household	\$15.00
16 07 2010	Airline Inc.	Transportation	\$248.87
Purchase: Itn #5679032 Online Purchase, (313) 555-3021 Location: Phoenix, AZ Ref # 456410		Edit Note Dispute	
Customer can add a note to the transaction or can dispute it with the Bank			
15 07 2010	Service Station Co.	Transportation	\$39.76

Payment Options

Make a Payment:

Default payment account: Checking

[Submit](#)

Account Details

- [Alerts](#)
- [Report Lost or Stolen Card](#)
- [Request Additional Cards](#)
- [Change Card Limit](#)
- [Contact Us](#)

STUDENT LOANS

Apply here for tuition help.

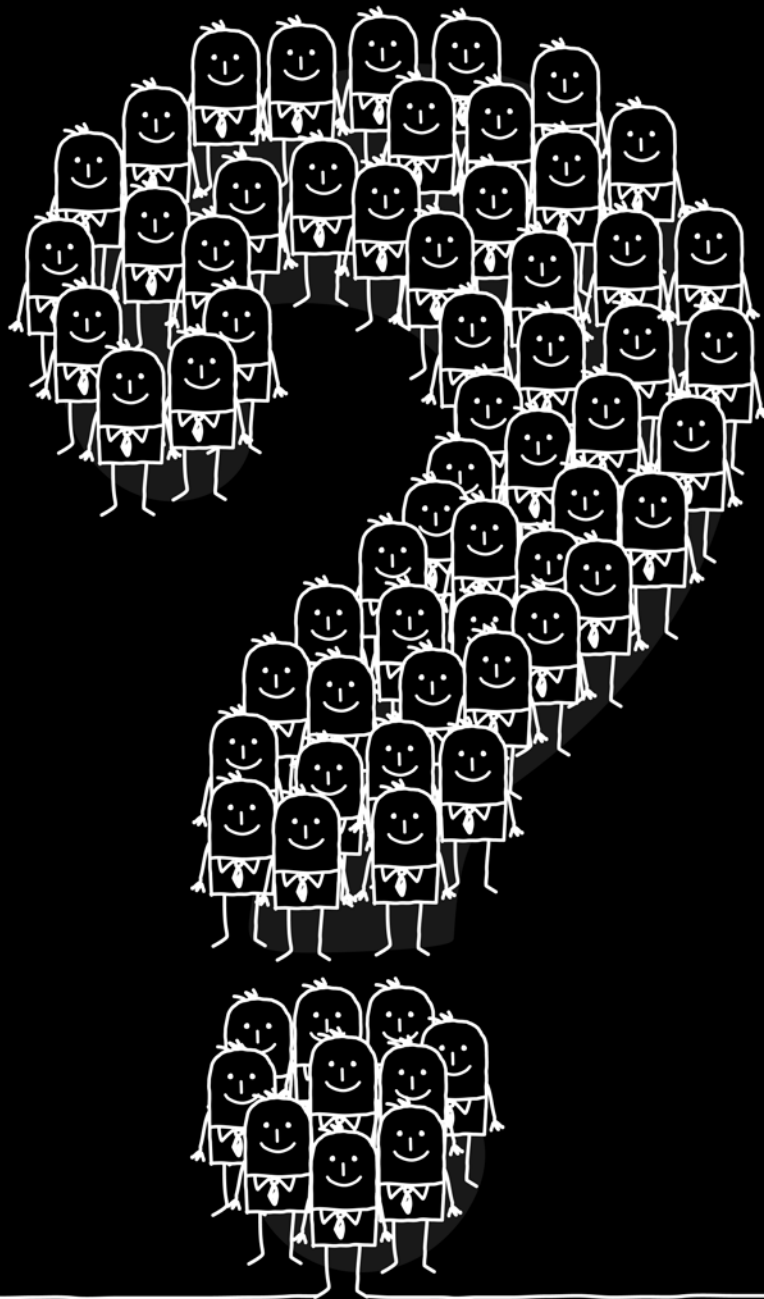
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INSURANCE SOLUTIONS
peace of mind

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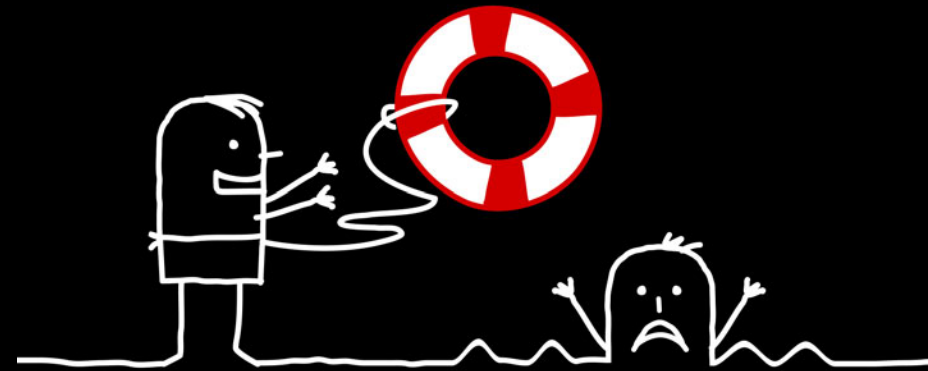
33

- Bullets and numbered lists.
- Macros support.
- Custom toolbars.
- Simplified event propagation.
- W3C XML Encryption.
- Right-to-left flow direction for objects.



Thank you!

assure 



Turn in your surveys for a chance to WIN!

- Hand in your surveys to the room monitors
- One survey per session will be selected as a winner of an Adobe Press e-book or Video



Introduction to Adobe Edge

Web Design with Muse (code name) from Adobe

Android App Development and Design: Learn by Video

- Winners will be notified via e-mail at the end of each day



