

# XMPie Training

## EDU Tutorial - Part 5 - Barcodes

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A CareAR Company

one to one in one™



# Notices

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U.S. Patent 6948115, 7406194, 7548338, 7757169 and pending patents. JP Patent 4406364B and pending patents.

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# About this tutorial

Congratulations on your selection of XMPie uCreate Print for your Variable Data Print (VDP) needs.

The XMPie EDU Tutorial is a series of tutorials that together will provide a thorough introduction to VDP techniques using Adobe InDesign and XMPie uCreate Print.

The EDU Tutorial is divided into different sections to enable you to quickly jump forward or backward to find help to learn different aspects of the product functionality:

- Part 1 - Project planning, preparation and gathering
  - Understanding the project
  - Checking the available data
  - Checking the available image and text file assets
  - Planning what content objects are needed to achieve the desired outcome
- Part 2 - Basic VDP job
  - Linking to your data source
  - Placing Text and Graphic Content objects into the InDesign document
  - Managing text copy fitting and dynamic graphic fitting
  - Creating your first VDP output
- Part 3 - Using rules and logic
  - Introduction to the Rule editor
  - Functions and how to use them
  - Creating rule or logic
- Part 4 - Introducing more content object types
  - Creating and using Visibility, Style and Text File content objects
- Part 5 - Barcodes
  - Creating and using print barcodes
- Part 6 - ulmage regular font effects
  - Creating a font-based ulmage template with Adobe Photoshop
  - Creating a ulmage Document Package
  - Optimization techniques
- Part 7 - ulmage image font effects
  - Creating an image-font-based ulmage template with Adobe Photoshop
  - Creating a ulmage Document Package
  - Optimization techniques
- Part 8 - Using the ulmage package in uCreate Print
  - Linking InDesign and uCreate Print to the ulmage package
- Part 9 - Table Content objects and uChart
  - Linking to secondary data sources
  - Table Content objects
  - Adding uChart to the document
- Part 10 - Working with uProduce
  - Creating Campaign- and Document-packages
  - Uploading packages to the uProduce Dashboard
  - Processing the document on the server
  - Working with Circle

## Target audience

This tutorial is designed to provide basic information, step-by-step instructions, and sample materials for self-learning. Should you require more visual assistance, there are accompanying videos available at <http://campus.xmpie.com/s/uCreatePrint>.

At the end of this Tutorial, there are review questions, and suggested exercises to build on the skills outlined in the tutorial.

The content is designed for customers who have bought XMPie uDirect or PersonalEffect and wish to learn how to use XMPie's uCreate Print product to create document templates for VDP production.

It is expected that the reader will already have a basic working knowledge of Adobe InDesign. If not, it is recommended to first complete some basic InDesign training for example, courses with Adobe: <https://helpx.adobe.com/indesign/tutorials.html> or a 3rd party organization such as Lynda.com: <https://www.lynda.com/InDesign-training-tutorials/233-0.html>

## Document structure

This tutorial uses the following icons to draw your attention to special key items to help you identify the information you are looking for when completing the tutorial.



### **Additional information and notes**

This is an example of additional information and notes.



### **NOTE: Special attention and warning**

This is an example of special attention and warning.

Sections of the tutorial which require hands on action will be highlighted with the following icon.



### **Step by step instructions**

This is an example of step by step instructions.

## Reference materials

- uCreate Print User Guide (Access via the online help link in the Dynamic Content menu).
- uCreate Print Tutorial videos (Access at <http://campus.xmpie.com/s/uCreatePrint>)

## Prerequisites

This tutorial assumes that you:

- Are familiar with InDesign CC,
- have a basic understanding of Excel or text-based data, and
- have a basic understanding of the aims of Variable Data Print (VDP).
- have Adobe InDesign CC2023 installed (trial version is acceptable)

# Module 1:

## Introduction and overview

In this module, we download and unzip the tutorial resource files. We will investigate the provided files, and get ready to start work in InDesign. This overview will also describe what we want to achieve in this sample tutorial.

### Duration

About 10 minutes

### Objectives

After completing this module, you will be able to:

- Unzip and open a sample InDesign file provided by a colleague or customer, and
- Describe the rules or conditions that are needed to change the text and in the document for this tutorial.

### Procedure

#### Previous tutorials and sample files

This tutorial is part of a series. It is recommended that you have downloaded and completed the previous tutorials. If you have, you can continue to use the files you have already started creating. Alternatively you can download the files ready to start this tutorial.

#### Unzip and review the contents



#### Step by step instructions

Unzip the resources package. You should see the following files:

Name	Date modified	Type	Size
assets	18/08/2017 9:37 AM	File folder	
images	25/09/2017 8:45 AM	File folder	
Engineering.pdf	27/08/2016 4:53 PM	PDF File	342 KB
General.pdf	27/08/2016 4:52 PM	PDF File	1,068 KB
Law.pdf	27/08/2016 4:50 PM	PDF File	266 KB
Medicine.pdf	27/08/2016 4:49 PM	PDF File	394 KB
text files	18/08/2017 9:37 AM	File folder	
general-schedule.txt	19/09/2016 9:10 AM	Text Document	23 KB
Law open house schedule.txt	19/09/2016 9:14 AM	Text Document	23 KB
medical - OpenHouse Schedule.txt	19/09/2016 9:21 AM	Text Document	23 KB
Open House engineering schedule.txt	19/09/2016 9:18 AM	Text Document	23 KB
resources	18/09/2017 8:45 AM	File folder	
edu logo.pdf	2/09/2016 6:05 AM	PDF File	6 KB
edu-smaller.pdf	25/08/2016 7:40 PM	PDF File	2,463 KB
graduation-smaller.pdf	4/09/2016 10:52 AM	PDF File	3,426 KB
library-small.pdf	4/09/2016 10:45 AM	PDF File	1,542 KB
meetingroom.pdf	4/09/2016 6:11 PM	PDF File	772 KB
XMPieLogo.pdf	4/09/2016 6:58 PM	PDF File	4 KB
EDU Postcard Template5 CC2023.indd	10/10/2017 2:38 PM	InDesign Document	2,408 KB
EDU Static.idml	19/09/2016 4:27 PM	InDesign Markup ...	335 KB
EDU_Scores.csv	10/10/2017 2:13 PM	Microsoft Excel C...	1 KB
EDU201x Prospective Students.csv	5/09/2017 2:38 PM	Microsoft Excel C...	318 KB

## Open the InDesign document



### Step by step instructions

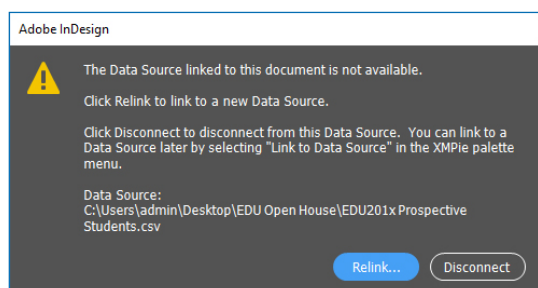
Launch InDesign and open the **EDU Postcard Template CC2023.indd** file.

If you have problems opening the file with your version of InDesign, then open the **EDU\_Static.idml** file and **Save as...** to save it as an INDD document. You will need to repeat the steps outlined in Tutorials 2, 3 and 4 before starting this tutorial.

## Re-link to the data source (if necessary)



### Step by step instructions

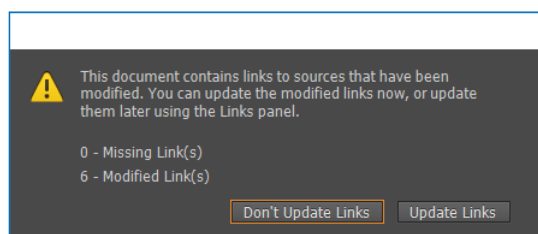


If you receive this warning dialog, then click **Relink** and browse to the **EDU201x Prospective Students.csv** file provided in the tutorial zip file.

## Re-link images (if necessary)

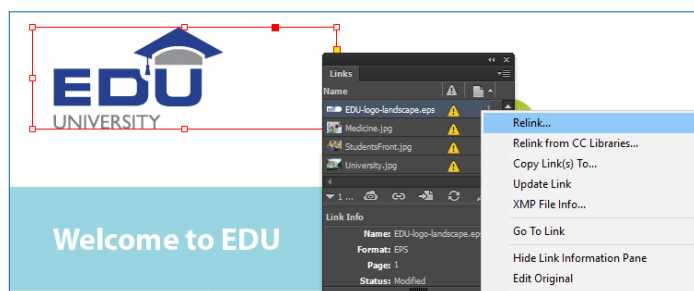


### Step by step instructions



If InDesign prompts you about modified links, click to **Update Links**

InDesign should locate the images automatically. If not, follow these optional steps:



Open the Links panel: **Window -> Links** (Ctrl-Shift-D).

Select the links that have the caution icon, and select to **Relink...** the links from the panel menu.

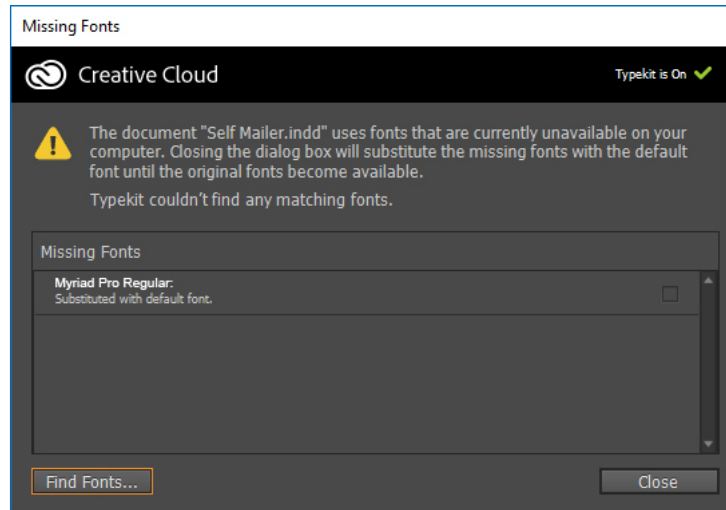
Locate the image of the same name in the resources or assets folder. InDesign should offer to relink other images found in the same folder. If not, repeat the process until all images are relinked.

## Install or replace missing document fonts (if necessary)

The tutorial document uses the fonts Impact and Myriad Pro, which should be automatically installed by Adobe InDesign. If either or both fonts are not available on your computer, InDesign will prompt you about missing fonts. You can look for them online and install them, or simply replace the fonts with one you already have installed.



### Step by step instructions

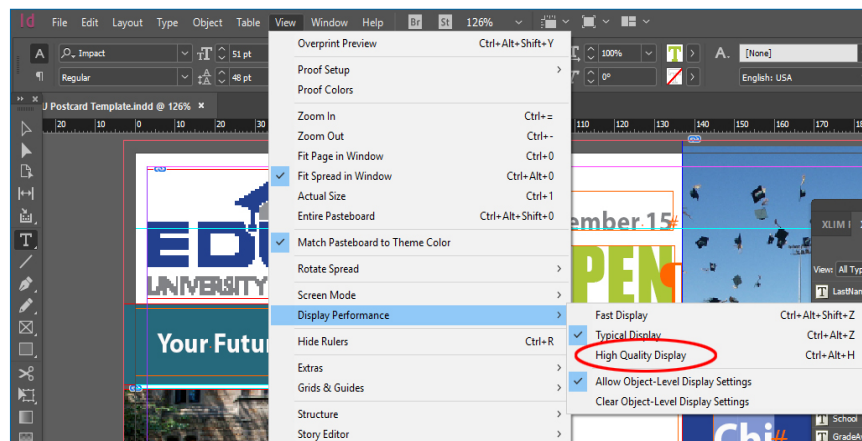


If InDesign prompts you about missing fonts, then click **Find Fonts...** and select to replace the missing fonts with one already installed on your computer.

## Set High Quality display performance



### Step by step instructions



From the InDesign **View** menu, select **Display Performance** and then **High Quality Display**.

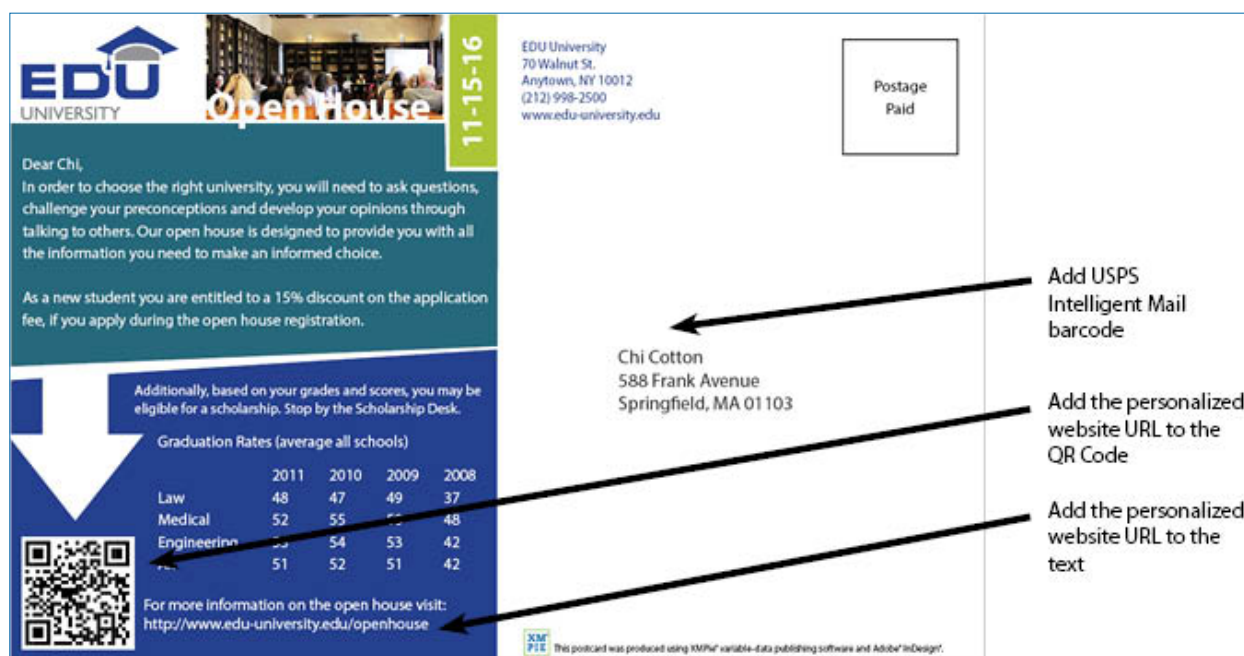
Alternatively, use the **Ctrl+Alt+H** keyboard shortcut.

## Review campaign requirements

Before starting any VDP job, it is recommended to look at the document and the data to understand what information you have, and what needs to change in the document. It can also be very helpful to write a list of ADORs or content objects that are needed to complete the job.

In this tutorial, we are going to continue the EDU Postcard document we started in the previous tutorial.

The invitation postcard document looks like this:



## Additional information and notes

ADOR (Automatic Dynamic Object Replacement) is a patented XMPie technology for objects that can be dynamically changed or replaced in the document. For example a Text ADOR can change text in the document. We also refer to ADORs as Content Objects.

The data for this tutorial looks like this:

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	FirstName	LastName	StreetAddress	StreetAddress2	City	State	ZipCode	Gender	School	GradeAvg	EmailAddress	BirthDay	PURL	IMBSample	SortID	Tray	Marker
2	Salvador	Randolph	866 Hilltop Street	Apt 23	Wilbraham	MA	01095	m			89 SalvadorR@somefakeaddress.com	5/5/1993	Salvador.Randolph.744	123456789012345678901234010951234	1	1	#
3	Chi	Cotton	588 Frank Avenue		Springfield	MA	01103	f	Engineering		83 ChiC@somefakeaddress.com	1/30/1992	Chi.Cotton.972	123456789012345678901234011031234	2	1	
4	Lauretta-Leigh	Navarrete	4899 Trouser Leg Road	Unit 2	Springfield	MA	01103	m	Engineering		95 Lauretta-Leigh@somefakeaddress.c	9/16/1993	Lauretta-Leigh.Navarrete.208	123456789012345678901234011031234	3	1	
5	Yolanda	Tourville	1411 Kennedy Court		Worcester	MA	01610	f			87 YolandaT@somefakeaddress.com	2/27/1992	Yolanda.Tourville.378	123456789012345678901234016101234	4	1	
6	Rita	Nock	840 C Street		Framingham	MA	01702	f			83 RitaN@somefakeaddress.com	8/6/1984	Rita.Nock.869	123456789012345678901234017021234	5	1	
7	Dorothy	Beaumont	2835 Smith Street	Level 4	Framingham	MA	01702	f			76 DorothyB@somefakeaddress.com	12/18/1993	Dorothy.Beaumont.377	123456789012345678901234017021234	6	1	
8	Anthony	Britton	132 Russell Street		Acton	MA	01720	m			81 AnthonyB@somefakeaddress.com	4/5/1986	Anthony.Britton.338	123456789012345678901234017201234	7	1	
9	Jenny	Race	3067 Pearlman Avenue		Bedford	MA	01730	f	Law		94 JennyR@somefakeaddress.com	4/18/1992	Jenny.Race.914	123456789012345678901234017301234	8	1	
10	Maria	Price	2636 Rainy Day Drive		Woburn	MA	01801	f	Law		94 MariaP@somefakeaddress.com	9/15/1981	Maria.Price.164	123456789012345678901234018011234	9	1	
11	Alta	Smith	4230 Tenmile Road		Burlington	MA	01803	f	Law		79 AltaS@somefakeaddress.com	6/13/1990	Alta.Smith.104	123456789012345678901234018031234	10	1	
12	Gwendolyn	Hernandez	3971 Hampton Meadows		Haverhill	MA	01830	f	Law		82 GwendolynH@somefakeaddress.co	4/16/1996	Gwendolyn.Hernandez.143	123456789012345678901234018301234	11	1	
13	Michelle	Labrecque	1696 Levy Court		Lawrence	MA	01840	f	Law		100 MichelleL@somefakeaddress.com	8/7/1981	Michelle.Labrecque.766	123456789012345678901234018401234	12	1	
14	Angie	Mifflin	1982 Hampton Meadows		West Newbury	MA	01985	f			87 AngieM@somefakeaddress.com	7/26/1967	Angie.Mifflin.578	123456789012345678901234019851234	13	1	
15	Michael	Danek	1554 Huntz Lane		Foxboro	MA	02035	m	Engineering		91 MichaelD@somefakeaddress.com	8/29/1988	Michael.Danek.047	123456789012345678901234020351234	14	1	

With the document design requirements, data, and assets, we can now define the content objects and rules we need to create. Below is the list of tasks for this tutorial. For your reference, each is followed by the tutorial page number.

## Back page tasks

- Add a USPS Intelligent Mail barcode to the address area - page 12.
- Set the campaign's personalized URL into the text - page 15.
- Add the personalized URL to the QR Code - page 19.

# Module 2:

## USPS Intelligent Mail barcode

In most countries, the postal service will expect direct mail to include a routing barcode in the address area. Sometimes they will even offer a postal discount if the barcode is applied and the mail lodged presorted in the correct order.

For our sample campaign the data source includes a field called IMBSample which is the routing code that needs to go into the barcode. If your own data does not include this information, then there are two options available to you:

- 1) You may be able to buy software from the postal service or other companies that can check the address fields of your database, and add the routing code.
- 2) There are main mailing houses which offer database cleansing services which can also include the addition of the required routing code.

Checking the addresses and cleaning your data is worth every cent since it improves deliverability of your marketing message and reduces the wasted time and effort of printing and sending to bad addresses.

## Duration

About 5 minutes.

## Objectives

After completing this module, you will be able to:

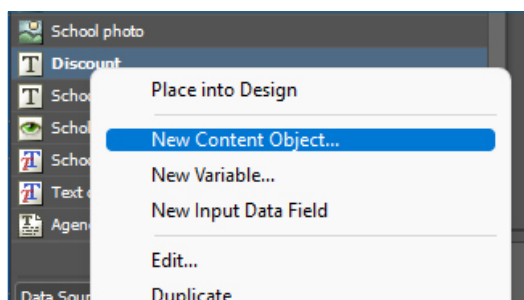
- Create a Graphic Content object,
- Define the USPS Intelligent Mail barcode, using a database field and
- Set the Graphic Content object into the document design.

## Procedure

### Creating a new Graphic Content object



#### Step by step instructions



In the Dynamic Content panel, right-click and select **New Content Object...**

If the panel is not visible, open it from the **Window** menu, **XMPie** group.

Set a **Name** for the new content object.

Set the **Type** to **Graphic**.

Check the box to **Edit rule** and click **OK**.

Select the **XMPBarcode** function.

Select the **USPSIntelligentMail** barcode type.

Select the **IMBSample** database field.

Click **OK**.



#### Additional information and notes

The third parameter of the XMPBarcode function is for optional settings which are not required for this example.



#### Additional information and notes

For more information about the different barcode types, what values they can encode, and the different settings they support, please refer to the uCreate Print User Guide by selecting **uCreate Print Help** from the panel menu **Help** group.



#### Additional information and notes

uCreate Print barcodes are implemented as a graphic, so you need to set the Content object Type to Graphic to select the XMPBarcode function. Note that this also means that no fonts are required to use uCreate Print barcodes.



#### Additional information and notes

uCreate Print barcodes are designed for use in print only. If you have PersonalEffect TransMedia, it is not possible to use the XMPBarcode function to create barcodes for use on web pages or in emails. For this, you will need to use an online barcode service.



#### Additional information and notes

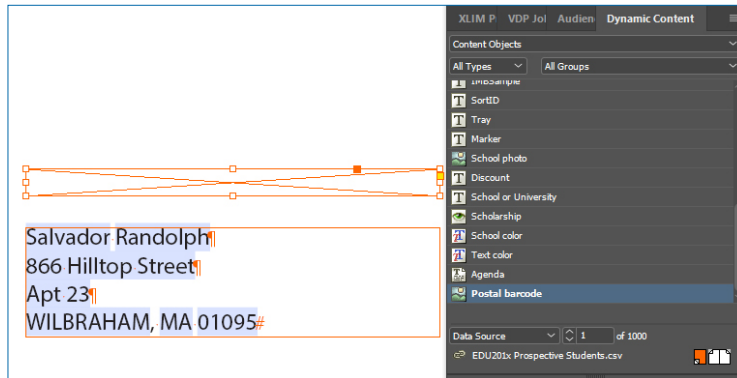
The XMPBarcode function provides a wide range of 1d or linear barcodes as well as 2d barcodes.

## Adding the Graphic content object into the document



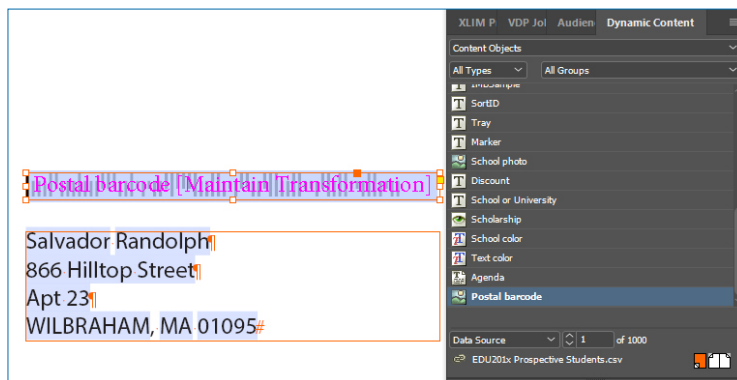
### Step by step instructions

From the InDesign tool box, select the **Rectangle frame tool** .



On page 2 of the sample document, draw a box above the address block.

While the box is selected, double-click the new Graphic Content object.



You will see the barcode appear in the graphic box.

To see the barcode more clearly, you may toggle the **Highlight Dynamic Objects** checkbox at the bottom of the Dynamic Content panel menu.

Scroll through some records to confirm the barcode is changing as expected.



### Additional information and notes

The position of the address block and the barcode can be moved to suit the rules specified by your postal company.

# Module 3:

## Setting the Personalized URL

Today, customers demand integrated campaigns that include multiple communication channels including print, web, email, social, and others.

It does not matter whether you use XMPie to create the website or not, you can still use uCreate Print to add the campaign URL to the print document.

This module demonstrates two different approaches to show how to use the XMPie campaign URL, as well as how to define the URL manually to suit other personalized web solutions.

### Duration

About 10 minutes.

### Objectives

After completing this module, you will be able to:

- Create a new Text content object that contains the campaign URL, and
- Add the URL to the document.

### Procedure

#### Using the XMPie Circle Web Touchpoint URL

This section demonstrates how to get the URL to a Circle Web Touchpoint if you intend to use this document as part of a cross media campaign created with Circle and PersonalEffect. If you are using a different personalized web solution, skip ahead to the next section.



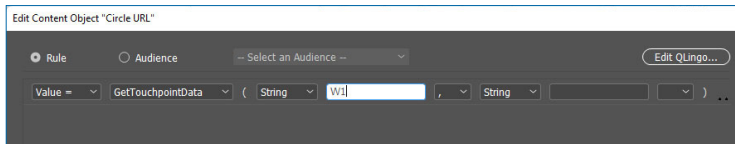
#### Step by step instructions

In the Dynamic Content panel, right-click and select **New Content Object...**


Enter a name for the new Content object.

Check the box to **Edit rule** and click **OK**.

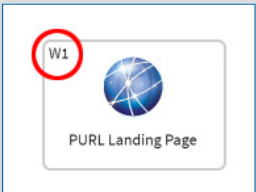
From second drop-down, select **GetTouchpointData**.



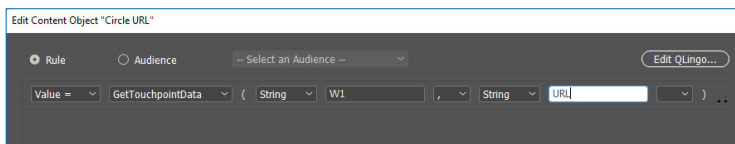
For the first parameter, enter the Web Touchpoint ID from your Circle Project



### Additional information and notes



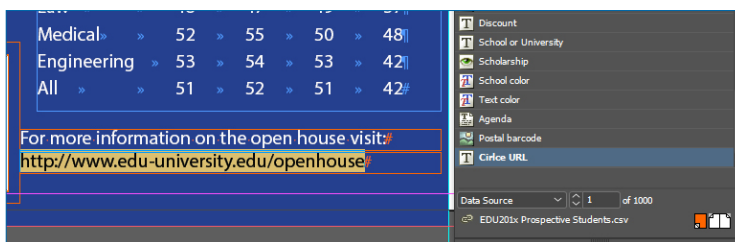
You can identify the Touchpoint ID from the Circle Flow Diagram.




For the second parameter, enter **URL**.

Click **OK** to save.

From the InDesign tool box, select the **Type** tool .




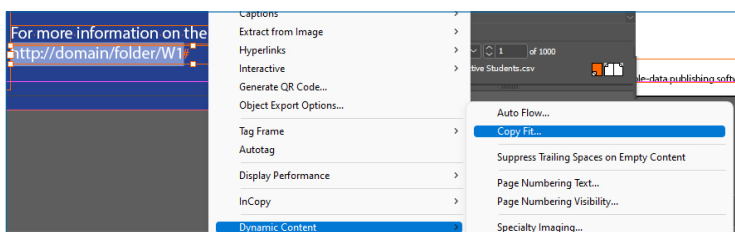
Select the URL text in the document and on the Dynamic Content panel, double-click the **XMPIeRURL** Content object.



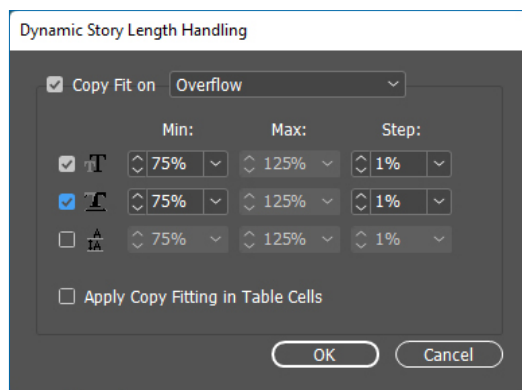
### Additional information and notes

Placeholder text will appear until the document is saved to the XMPIe server and the campaign website is setup. Because the URL may not fit in the available space, it is recommended to turn on copy fitting.

From the InDesign tool box, select the **Selection** tool (black pointer) .



Click on the text frame to select it. Then right-click and select **Copy Fit...** from the **Dynamic Content** group.



Check the box to **Copy fit on Overflow**.

Check the boxes to Copy fit using **font size** and **horizontal scaling**.

Click **OK**.

## Using a non-XMPie personalized website

This section demonstrates how to add a personalized URL to the document if you are using another cross media product instead of XMPie Circle and PersonalEffect.

In general, when you create the personalized website, you will either define a unique identifier for each recipient - or the software/service you are using will create a unique identifier for you. The unique identifier is used in the URL to identify the person browsing the site.

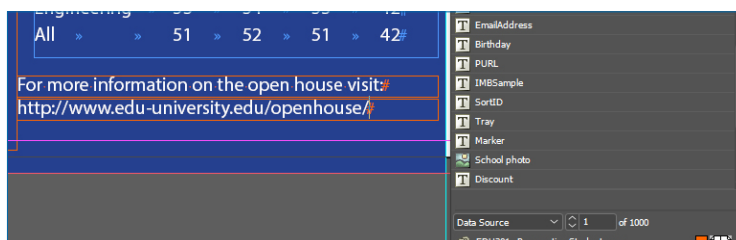
For this example, our data includes the field PURL which is the unique identifier.

For this example, we will assume that the website you have setup is <http://www.edu-university.edu/openhouse/> and that the unique identifier is added to the end of the URL. In your own campaigns in future, you will need to enter the URL to the website you have setup, and add the unique identifier as specified by the software/service you are using.



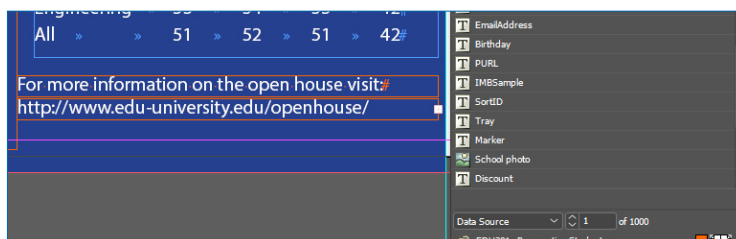
### Step by step instructions

From the InDesign tool box, select the **Type tool**




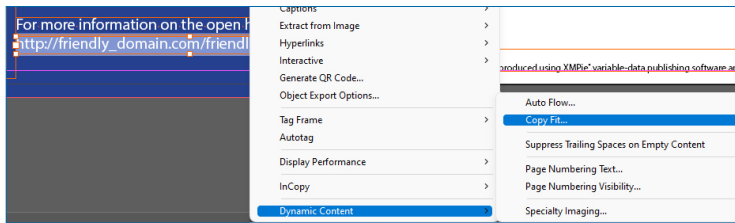
Click in the URL text box and add a / (forward slash) to the end of the URL.

Then in the Dynamic Content panel, double-click the **PURL** Content object to add the personal identifier to the end of the URL.

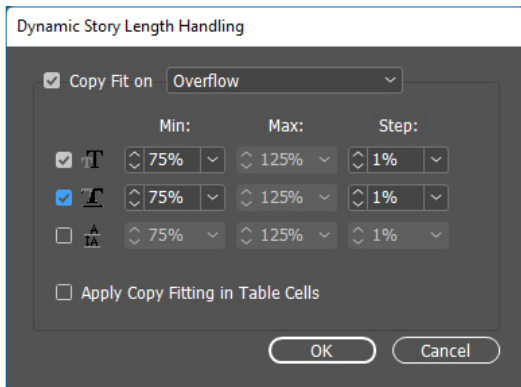


Notice that the text overflows the frame.

From the InDesign tool box, select the **Selection** tool (black pointer) .



Click on the text frame to select it. Then right-click and select **Copy Fit...** from the **Dynamic Content** group.



Check the box to **Copy fit on Overflow**.

Check the boxes to Copy fit using **font size** and **horizontal scaling**.

Click **OK**.

The URL should now fit in the frame. Scroll through some records to confirm.

# Module 4:

## QR Code with personalized URL

QR Codes are very common today and enable mobile devices to do several useful things. In this example we will configure the QR Code so that when it is scanned, the mobile browser will go directly to the campaign URL without needing to type in the path.

### Duration

About 10 minutes.

### Objectives

After completing this module, you will be able to:

- Create a Graphic Content object,
- Define the QR Code barcode, using a personalized URL,
- Set the Graphic Content object into the document design and
- Use Dynamic Graphic Properties to fit the barcode to the graphic frame.

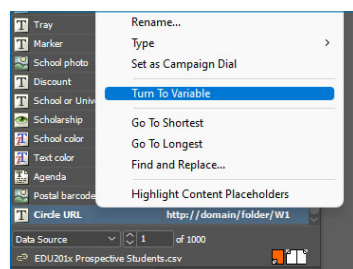
### Procedure

#### Creating the new Graphic Content object for a Circle Web Touchpoint URL

We could create a new graphic content object for the QR code, and use the same logic that we already used to get the Circle URL and put that in the barcode. Instead, because we already have created that logic, in this example, we will convert the Circle URL logic to a variable, so we can use the same logic for both the Circle URL and the QR code.



#### Step by step instructions

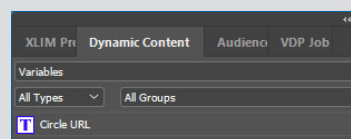


In the Dynamic Content panel, right-click on the Circle URL content object and select **Turn To Variable**.



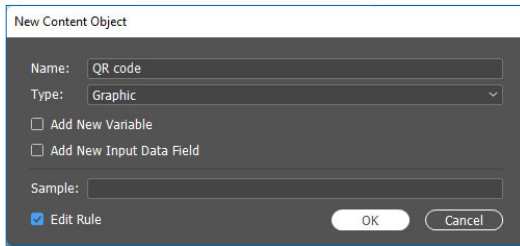
#### Additional information and notes

Turning a content object to a variable will copy the object's rule or expression into a new variable with the same name, and change the content object expression to be that new variable's name.



If you swap the Dynamic Print panel to show Variables, you will see the new variable.

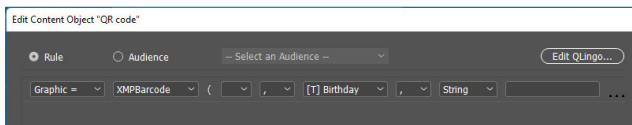
Right-click in the Dynamic Content panel and select **New Content Object**.



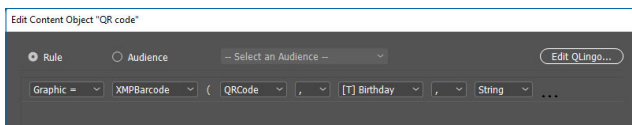
Enter a name for the new Content object.

Set the type to **Graphic**.

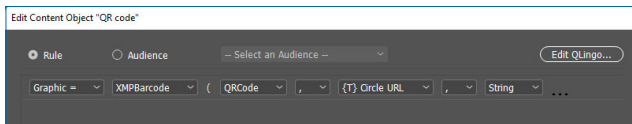
Check the box to **Edit rule** and click **OK**.



From second drop-down, select **XMPBarcode**.



From third drop-down, select **QRcode**.



From fifth drop-down, select **{T} Circle URL**.



### Additional information and notes

Notice how the variable names are shown starting with {T} while the database field names are shown starting with [T]. The shape of the brackets helps you to find the item you are looking for.

The letter inside the brackets tells you the type of data returned by the item:

T = text; # = number; D = date; B = boolean

Click **OK** to save the new content object.

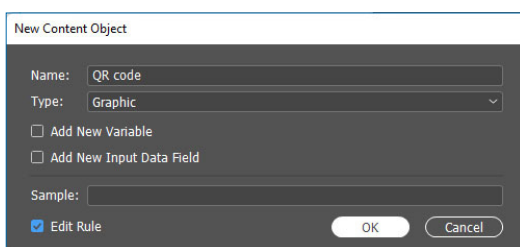
Skip ahead to **Placing the QR code into the document design**.

## Creating the new Graphic Content object for a non-XMPie personalized Website



### Step by step instructions

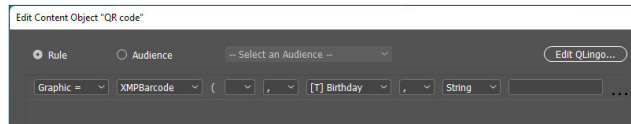
In the Dynamic Content panel, right-click and select **New Content Object...**



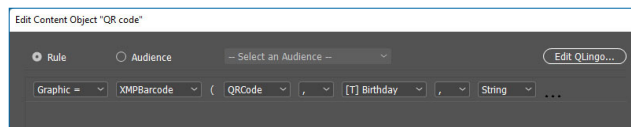
Enter a **Name** for the new Content object.

Set the **Type** to **Graphic**.

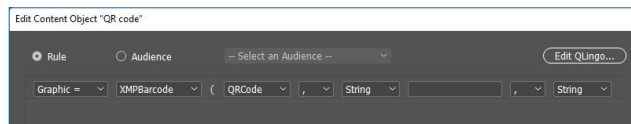
Check the box to **Edit rule** and click **OK**.



From second drop-down, select **XMPBarcode**.



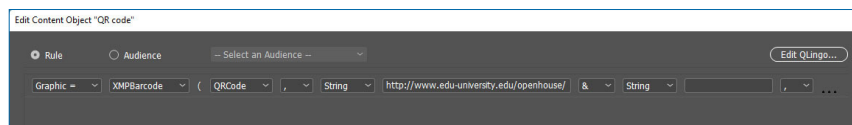
From third drop-down, select **QRCode**.



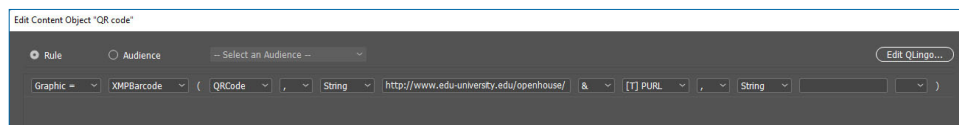
From fifth drop-down, select **String**.

In the text box, type in the first static part of your URL.

from the drop-down after the text box, select the & (ampersand) to join on the unique identifier.



After the ampersand, select the **PURL** database field. Your expression should look like the image below:




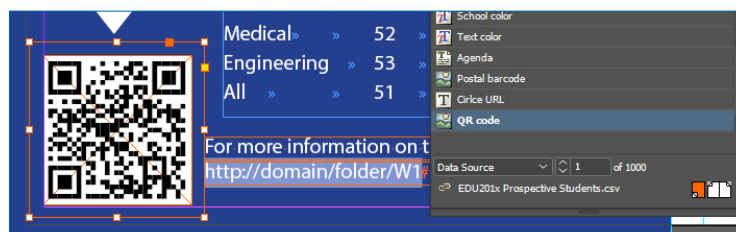
Click **OK** to save the new Content object.

## Placing the QR Code into the document design



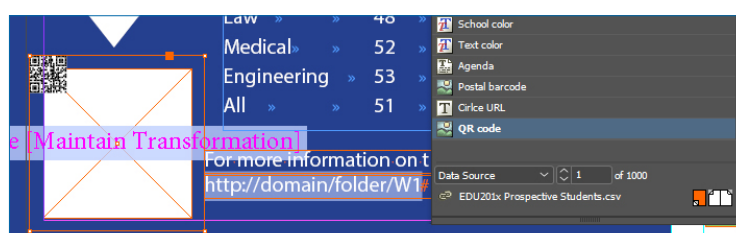
### Step by step instructions

From the InDesign tool box, select the **Selection** tool (black pointer) .

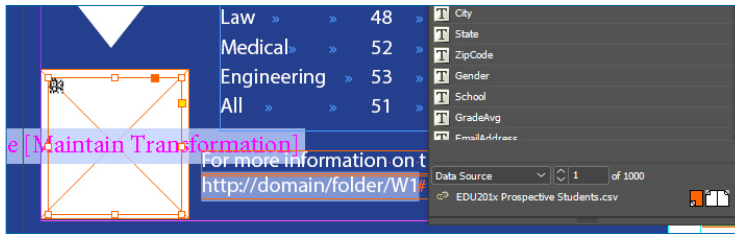


Select the static QR Code graphic frame.

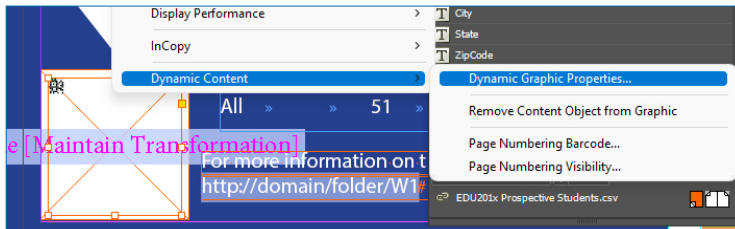
Double-click the new Graphic Content object.



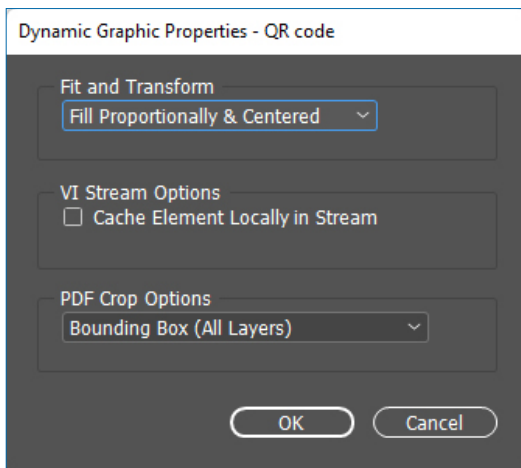
Notice that the barcode is very small and in the top left-hand corner.



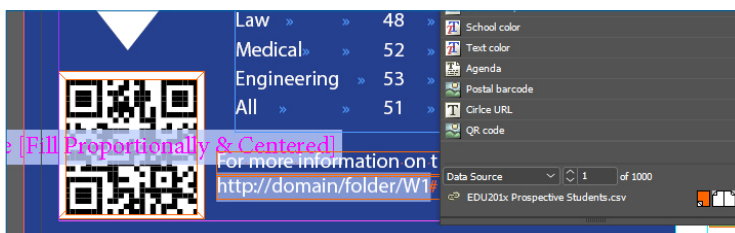
Use the Selection tool to reduce the size of the graphic box so it sits within the white box.




Right-click on the graphic frame and select **Dynamic Graphic Properties** from the **Dynamic Content** group.



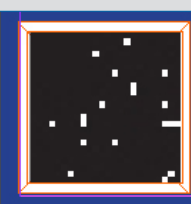
Select **Fill Proportionally & Centered**.  
Click **OK**.



The QR barcode should now fit in the frame. Scroll through some records to confirm.



### Additional information and notes



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For more information on t  
http://www.edu-university.edu

If your barcode looks more like a blob on screen, then you can switch to **High Quality Display** performance: **Ctrl-Alt-H** to improve the display.

# Module 5:

## Dynamic Print

Our dynamic template is complete. We are ready to create the output file to print. Please note that Dynamic Print is only possible with a licensed version of uCreate Print.

### Duration

About 10 minutes.

### Objectives

After completing this module, you will be able to:

- Create print output of one or more data source records, and
- impose the output for optimized press sheet coverage.

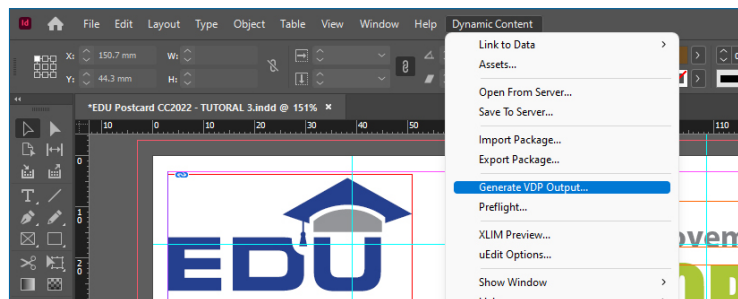
### Procedure

#### Variable data print

In this example we use default print settings to create page-by-page output for each record.

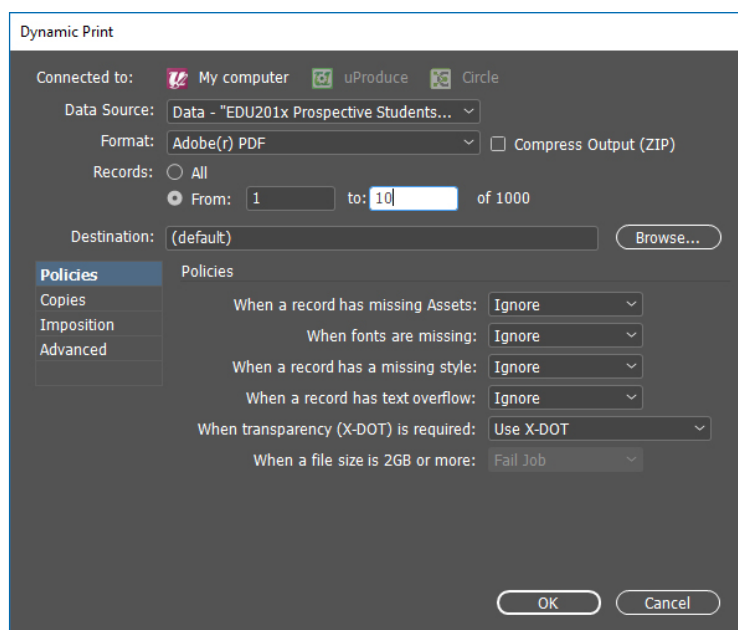


#### Step by step instructions



From the Dynamic Content menu, select **Generate VDP Output...**

If you have not already saved the document, you will be prompted to do so.



Set the output **Format** to **Adobe(r) PDF**.

Set the range of **Records** that you would like to print. I will set **1 to 10**.

Click **OK**.

You will see a dialog indicating the print production progress. After a few moments, the dialog will close and you are returned to the document.



#### Additional information and notes


For more information on other settings in the Dynamic Print dialog, refer to the uCreate Print User Guide by selecting **Help** from the Dynamic Content menu.



#### Additional information and notes

In addition to PDF, uCreate Print can output several other VDP output formats including PS, VIPP, VPS, PPML and PDF/VT-1. The best one to use will depend on your printer so you should do some tests to see which is smallest/fastest.

In the folder where your InDesign document is saved, look for a new folder called **output**. Inside the output folder, uCreate Print will create a subfolder with the current date and time and save the output file into this folder.

tutorial files > EDU-Open-House-Tutorial-4 > output > 2022_11_21_12_40_27				
Name	Date modified	Type	Size	
 EDU Postcard Template4 CC2022.pdf	21/11/2022 12:40 PM	Adobe Acrobat D...	3,199 KB	



#### Additional information and notes

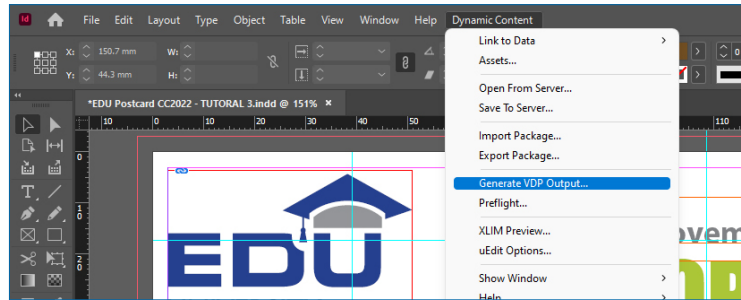
On the Dynamic print dialog, you can also choose to set the **Destination**. If you choose to set a destination, uCreate Print will save the output file in the folder of your choice. If you print multiple times with a custom destination, each print will overwrite any previous output file in that location.

## Variable data print with imposition

In this example we output the postcards imposed to a larger sheet size with bleed and trim marks.

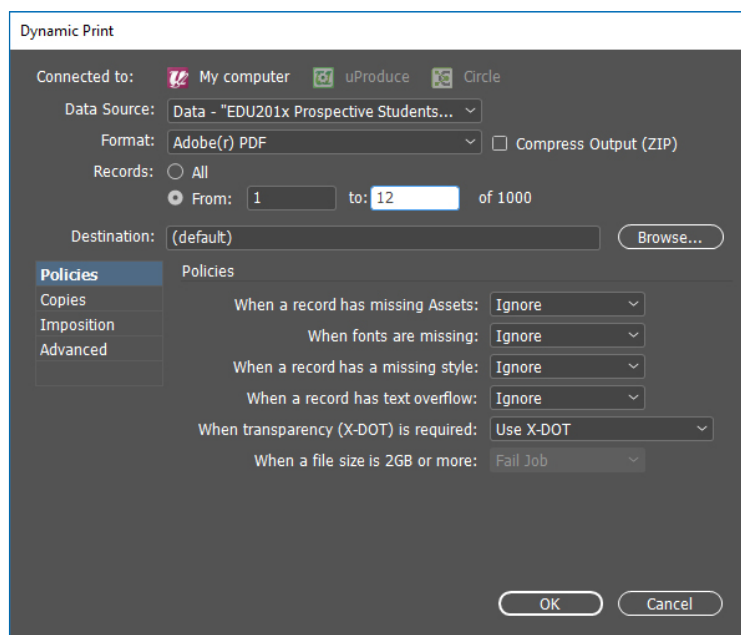


### Step by step instructions



From the Dynamic Content menu, select **Generate VDP Output...**

If you have not already saved the document, you will be prompted to do so.



Set the output **Format** to **Adobe PDF**.

Set the range of **Records** that you would like to print. I will set **From 1** and **To 12**.

Click **OK**.

**Dynamic Print**

Connected to: My computer uProduce Circle

Data Source: Data - "EDU201x Prospective Students..."

Format: Adobe(r) PDF ☐ Compress Output (ZIP)

Records: ☐ All ☒ From: 1 to: 12 of 1000

Destination: (default) Browse...

**Imposition**

Imposition Template: Step and Repeat

Sheet Size: SRA3 Landscape

Sheet Dimensions: Width: 450.003 mm Height: 320.005 mm

Page Dimensions: Width: 217 mm Height: 145 mm

Margin: Width: 2 mm Height: 2 mm

Gap: X: 0 mm Y: 0 mm

☒ Auto Calculate

Pages on Sheet: Columns: 2 Rows: 2

☒ Duplex

☒ Center Pages on Sheet

☐ Draw Page Information

☒ Draw Cut Marks: X: 3 mm Y: 3 mm

OK Cancel

Click **Imposition**.

Set **Imposition Template to Step and Repeat**.

Set **Sheet Size to SRA3 Landscape**.

Set both **Margin Width and Height to 0.08in** (or 2mm)

Check **Auto Calculate**.

Check **Duplex**.

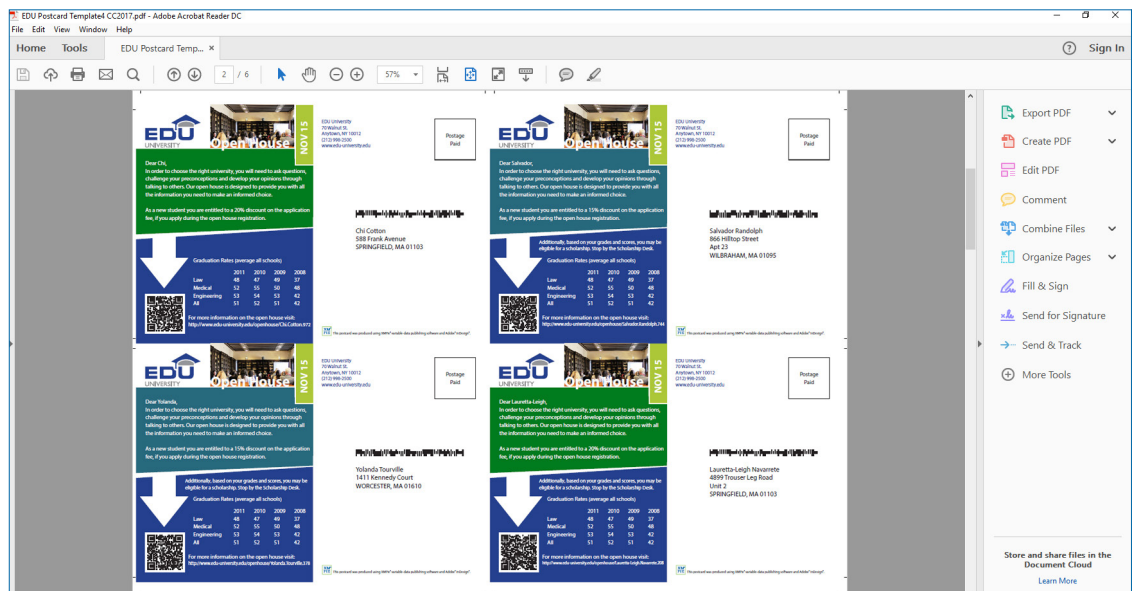
Check **Centre Pages on Sheet**.

Check **Draw Cut Marks** and enter **0.12in** (or 3mm) for both **x** and **y** values.

Click **OK**.

When production finishes, check the output folder for a second subfolder, and open the output PDF to check your work.

Samples of the first two pages of the PDF output are shown on the next page.



# Review and extra exercises

To consolidate your understanding of the topics covered in this tutorial, please answer the following review questions, and complete the additional exercises:

## Review questions

What type of Content object is required to create a barcode? (Page 13)

.....

Do you need to install barcode fonts to use barcodes with uCreate Print? (Page 13)

.....

What is a QR Code? (Page 19)

.....

uCreate Print has only 2d barcodes. True or false? (Page 13). . . . .

uCreate Print has only 1d barcodes. True or false? (Page 13). . . . .

How do you find the ID of a web touchpoint in Circle? (Page 16)

.....

Can you use the QR Code on a web page or in an email? (Page 13)

.....

## Additional exercises

### Exercise 1

In the previous tutorials we suggested that you take an existing InDesign document used in your company (for example a business card) and create a data source in Excel or CSV to contain all the data fields necessary for the document (firstname, lastname, address, phone, fax, email, etc).

To continue the same theme, add one or more barcodes to the document design:

- Create an address barcode if you have that data.
- If you have an email address in your data, create a QR code to scan and open an email to the recipient by using "mailto:" and the email address from the data.