

PDF Integration

Overview

We understand that it can be difficult to wean organizations and customers off of your old paper based forms. Yet, you still need to capture the information off of those forms and get it into your database so that you can use it for other purposes, like completing coaches rosters, and supporting next years “reach out and touch somebody” email campaign.

To help you capture this information, we have now implemented an Enrollment Data Capture API that can read your Fillable Form PDF data and enter it into your enrollment records for you.

We have also deployed the Enrollment Confirmation output processing to provide access to detailed enrollment data on demand by administrators in the Enrollment processing page. This should speed up that page considerably by only presenting detail information for the person you click on, rather than preparing that data for all enrollees, whether you need to see it or not.

Steps On How To Do It

1. You visually layout your Enrollment Form as you see fit.
2. You add the fillable form fields to capture enrollment data. It can even include fields that you use, but EZ Sport Scheduler does not. At a minimum, you must supply the field names listed as ‘**required**’ in the appendix to this document.
 - a. The **idnumber** of identifying your organization
 - b. The **scheduleid**, **alt_scheduleid**, or both that you want enrollments captured for. We can capture data for a maximum of two schedules from one form. You can use one, or the other, or both, but you must use at least one of these.
 - c. The **division codes** that you want enrollments captured for. We have tested and supporting ‘**radio buttons**’ only for division code selection.
 - d. The **enrollment_form_url** that identifies the publicly available location where the enrollment form being processed can be found. This must be supplied so that we can recycle it back to the user in the event we encounter a data validation error that needs to sent back to the user along with their data. The Enrollment Data Capture API will keep sending the error messages and data back to the enrollment form until a successful enrollment is completed.
 - e. The **confirmation_form_url** that identifies the publicly available location where the confirmation form is located. Enrollment data input by the user, along with enrollment data assigned by the Enrollment

Data Capture API is passed to the confirmation form. You will need to design this form as a fillable data form PDF as well.

- f. You must have a **SUBMIT** button. Note that you will place your enrollment and confirmation forms on your web server. The SUBMIT button that you add to your enrollment form must be defined to submit as an HTML Form to the web address (note the underscores on either side of _PDF_ which can be hard to see due to the link style underline):

http://ezsportscheduler.com/process_PDF_enrollment.asp

3. Fields names must match exactly, including the case of the text. Note that we have defined all fields as lowercase. You must supply all the fields that are listed as 'required'. ***If you don't need the user to enter the required value, for example the State field, you can set the default value for the field and make it both read only and hidden.*** That way the user doesn't have to deal with it, but you can still pass it to us to meet our data validation rules.
4. You can make fields that are option to EZ Sports Scheduler to 'required' for your organization by making them required fields in the Adobe fillable form data fields.
5. You can add your own fields that we don't use or process. But we will pass them along to your Enrollment Confirmation form, which will be emailed to your new enrollee, their family, and your administrators (if workflow is enabled). These won't be stored in our database, and won't be reproducible by us once processed and emailed. You can extract this data if you need it.
6. Your enrollee will remain stuck in your enrollment form until they pass all of your and our data validation edits. Once they've passed these, the enrollment will be added to the database. Then all the data collected, along with the data created by the enrollment process, will be passed to the enrollment confirmation form that they can view online. Note that this additional output data can include the coach, division registrar, schedule owner, and organization contact information if you wish. This same confirmation form will be attached to the standard enrollment confirmation email that is routed to both the enrollee and your registrars.
7. Optionally, you may want to update your "My Schedules" page schedules to have each schedule use one of your custom enrollment confirmation forms. You can customize different enrollment and confirmation forms for different schedules as you see fit.

You may want to start with our working documentation models. Download the following two Adobe PDF forms:

http://ezsportscheduler.com/documentation/pdf_integration/enrollment_form.pdf

http://ezsportscheduler.com/documentation/pdf_integration/enrollment_confirmation.pdf

Feel free to use these and modify your copy of them as you wish, in order to get you started on the right track. Feel free to “enroll” in Larry Johnson’s Basketball Tournament to feel the experience.

There are some caveats to watch out for.

1. We don’t know how long FDF (fillable data forms) are going to last. Adobe is trying to replace this functionality with XML based forms designed with their LiveCycle Designer tool. That is a great tool for design, but it won’t send the data to us in the Internet standards based CGI process. We need the data passed as HTML form data, or as HTML QueryString data. We have not been able to find a way to make a form designed with the LiveCycle tool work without purchasing very pricey software from Adobe to run on our servers (which are hosted and we couldn’t put this software on there anyway). **So, don’t use the LiveCycle tool to design your form. You will have to do it the old fashioned way.**
2. Microsoft and Adobe seem to be battling over how to address the market space that Adobe has filled all these years. We suspect that Microsoft with their XPS standard will win this battle in the long run. At some point, we (you and us collectively) may have to evolve off of the Adobe PDF FDF standard. It may be sooner if Adobe decides to kill it off.

The rest of this document is the aforementioned Appendix of input / output fields specified for the Enrollment Data Capture API. Please review it carefully. Other than the ‘required’ fields, you can choose to use as few or as many of these as you wish.

Appendix A – Enrollment Data Capture API Field Documentation

	Adobe Form Field Name	Interface Type	Adobe Field Type and Attributes					Special Format Validation / Notes	max length
Process Control	enrollment_form_url	input/output	textbox	string	required	hidden	read only	valid url path to a fillable PDF form	160
	confirmation_form_url	input/output	textbox	string	required	hidden	read only	valid url path to a fillable PDF form	160
	idnumber	input/output	textbox	numeric	required	hidden	read only	The idnumber, scheduleid, and div_code must exist as a valid combination on the organizations schedules and divisions list Note that this is using the division code, not the division id.	10
	scheduleid	input/output	textbox	numeric	required	hidden	read only		10
	alt_scheduleid	input/output	textbox	numeric	required	hidden	read only		10
	Submit Button			OK Button		required		Must submit as an HTML Form to the address http://ezsportscheduler.com/process_PDF_enrollment.asp	

Enrollment Request	div_code	input/output	radio button group	string	required			The Default Value of each radio button must match a valid division code on one of the two schedule ids.	8
	team	input/output	textbox	string	optional			If the team name entered matches a team description on the above combinations of idnumber, scheduleid, and division code, then the team id found will be assigned to the enrollment. Otherwise, it will be set to 0, which is reserved for the "Unassigned" category.	45

Player Contact Data	firstname	input/output	textbox	string	required				45
	lastname	input/output	textbox	string	required				45
	address	input/output	textbox	string	required				45
	city	input/output	textbox	string	required				45
	state	input/output	textbox	string	required				2
	zip	input/output	textbox	string	required			Zip Code or Zip Code + 4	10
	home_phone	input/output	textbox	string	required			Phone Number (10 digit with dashes)	12
	cell_phone	input/output	textbox	string	optional			Phone Number (10 digit with dashes)	12
	child_email	input/output	textbox	string	optional			Email	60

	Adobe Form Field Name	Interface Type	Adobe Field Type and Attributes				Special Format Validation / Notes	max length
Player Profile Data	dateofbirth	input/output	textbox	date	required		10 digit with "/" as a separator. Must use leading zeroes in month and day	10
	age	input/output	textbox	number	optional		Recalculated based on birth date.	2
	grade	input/output	textbox	number	optional			2
	highschool	input/output	textbox	string	optional			30
	weight	input/output	textbox	number	required			3
	height	input/output	textbox	number	required			1
	height_in	input/output	textbox	number	required			2
	male	input/output	checkbox	string	optional			
	female	input/output	checkbox	string	optional			
	pictureurl	input/output	textbox	string	optional		Uniform Resource Locator on a publicly available website. Pictures are not stored on the EZSportScheduler web site, nor uploaded or accessible from the users PC. They should place the picture on a publicly available web site before	250
	fatherfirstname	input/output	textbox	string	optional			45
	fatherlastname	input/output	textbox	string	optional			45
	fathercellphone	input/output	textbox	string	optional		Phone Number (10 digit with dashes)	12
	fatheremail	input/output	textbox	string	optional		Email	60
	motherfirstname	input/output	textbox	string	optional			
	motherlastname	input/output	textbox	string	optional			
	mothercellphone	input/output	textbox	string	optional		Phone Number (10 digit with dashes)	12
	motheremail	input/output	textbox	string	optional		Email	60
	medical	input/output	textbox	string	optional			120
	emergencyfirstname1	input/output	textbox	string	optional		Combined length of emergencyfirstname1 and emergencylastname1 can not exceed	40
	emergencylastname1	input/output	textbox	string	optional			
	emergencyphone1	input/output	textbox	string	optional		Phone Number (10 digit with dashes)	12
	emergencyfirstname2	input/output	textbox	string	optional		Combined length of emergencyfirstname2 and emergencylastname2 can not exceed	40
	emergencylastname2	input/output	textbox	string	optional			
	emergencyphone2	input/output	textbox	string	optional		Phone Number (10 digit with dashes)	12
	doctorfirstname	input/output	textbox	string	optional		Combined length of doctorfirstname and doctorlastname can not exceed	40
doctorlastname	input/output	textbox	string	optional				
doctorphone	input/output	textbox	string	optional		Phone Number (10 digit with dashes)	12	
Enrollment Output	date	output	textbox	timestamp				18
	app_status	output	textbox	string				25
	payment_status	output	textbox	string				10

	Adobe Form Field Name	Interface Type	Adobe Field Type and Attributes					Special Format Validation / Notes	max length
Process Control Output	message	output	textbox	string				Should be included to allow communication of validation errors from the EZSportScheduler enrollment subsystem	80
	message2	output	textbox	string				A copy of message, used to help make certain that any error message communicated gets seen by the user.	80
Family IDs	playeridnumber	output	textbox	number					10
	fatheridnumber	output	textbox	number					10
	motheridnumber	output	textbox	number					10
Event Contact Information	coach	output	textbox	string					45
	coachemail	output	textbox	string					45
	coachphone	output	textbox	string					10
	div_descr	output	textbox	string					45
	div_reg_name	output	textbox	string					91
	div_reg_home_phone	output	textbox	string					10
	div_reg_cell_phone	output	textbox	string					10
	div_reg_email	output	textbox	string					45
	event_descr	output	textbox	string					45
	sched_reg_name	output	textbox	string					91
	sched_reg_home_phone	output	textbox	string					10
	sched_reg_cell_phone	output	textbox	string					10
	sched_reg_email	output	textbox	string					45
	organization	output	textbox	string					45
	org_reg_name	output	textbox	string					91
	org_reg_home_phone	output	textbox	string					10
org_reg_cell_phone	output	textbox	string					10	
org_reg_email	output	textbox	string					60	