

# DOWNLOAD PDF OPEN SSRS REPORT IN FORMAT USING NET ANGULARJS

Chapter 1 : WebApi Load performance testing tool. ~ calendrierdelascience.com,MVC,ANGULARJS,WEB

*I have a project, the frontend is using pure HTML5/AngularJS, webservice is calendrierdelascience.com, and report is SSRS. I have a major problem of displaying SSRS reports on frontend. We tried to embed the report in an iFrame but it pops credentials always, so it is not practical.*

I have received a lot of request to share code, but I have lost the source code when I reimaged my machine. Rather than recreating this from scratch, I decided to take a more advanced route and do the same but in an Angular app. I have been working on a production Angular app since summer. I also continuously educate myself on various concepts of web development, including technologies such as Angular. My high level goals for the solution are still mostly the same I would like to integrate reports into the existing application I would like to show them in an overlay, not wanting to popup additional browser window and having to deal with popup issues in general I would like to make the report viewing safe, trying to reveal as little as possible to the user or technical observer who could use Fiddler for example. I want to show a list of reports I want the user to select one, specify parameters, then preview the report in SSRS report viewer web control. Here is an outline of my solution I will create reports table in the database with the list of reports. Each report will have parameters collection, stored in reports parameters table Each parameter will have a partial MVC view that collects the data for that parameter. Once parameter data is collected, I will log report print request and its parameter values into report request and report request parameters tables. Once report request is generated, there will be a unique GUID generated and passed back into running Angular application. It will then retrieve report request data, including parameters from the database, and set all the values on report viewer control. My dialog box in Angular app will have to maintain dialog and report iframe sizes to make sure that window resize will not cause problems. This is a tall order and a big project, but luckily you will be able to download entire solution and look for yourself. Just look for download link near the bottom of this post. My starting point is an existing MVC project that houses my Angular app. I am going to go step by step here. First of all, here is my diagram of database tables. Hence, I am not adding the classes for data tables in this post. I also use attribute to size the report control to report content, since it looks better this way in my preview window. I am using repository pattern for the data access this time though. My repository is very simple, not much to explain. The last method is used by ASPX report viewer page to get the parameters and report data. In my report list page I show report name and description and View button: My controller for this view is very simple. It talks to service to get the data and listens to click event of View button. The idea behind separating controller from the service is to abstract my business logic controller from data access service. Again, this is a TypeScript app, but the download will include compiled JS files as well. When all said and down, there are only a few lines of critical code here: I am looping through reports property in my scope, putting out a well with name and description, as well as button. When this button is clicked, I am navigating to individual report route, handled by reportViewController: Then I am calling my web api controller, passing in report id and getting new report request for that report. I am simply creating full URL and assigning it to the property on my scope. Where do you ask the actual code to show the report is? Since it involves the DOM manipulation, I wrote a directive for this purpose: This is a special syntax you can use in Angular directives. When you do, the isolated scope in the directive defined there will stay in sync with attributes on that directive: There I set src property on iframe and call showMessage method inside my message dialog service utilities. Code in utilities is quite complex: As the user resizes the browser window, I have to resize message dialog to keep the report view usable. The end result is: The demo includes one parameter view `<div class="report-view"> <div class="report-view">` for active flag: I assign this view inside report parameters table: The last column contains parameter name inside SSRS report. So, any time I use this parameter for any report, I have to make sure to name report parameter inside SSRS report to match. Now, all I need is the partial view for this parameter: Now, you need to see how I am putting multiple parameters together into a single view I am using for template to collect all the parameters for the report: I am

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also using ngInclude directive to inject in partial view for each parameter. Please study my solution and ask any questions, I am sure there is room for improvement. You can download entire solution here.

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## Chapter 2 : opening the ssrs report in pdf format using URL access

*If the API could return the report in a neutral file format for example pdf, I would be able to bypass most of the current pain I was feeling using SSRS. In the following series of articles, I will outline how to make SQL Server Reporting Services play nicely with WebAPI and AngularJS.*

In this case, whenever the user executes the package, a particular SSRS report will be executed and exported into Excel. The exported Excel file will be saved in a shared folder. In this tip I will demonstrate how to solve this problem. I have divided this tip in two parts. Refer to the image below. Report Deployment Please follow the steps below to deploy the report on Report Server. Right click on Report Project which contains your report and then click on Properties. Once you clicked on Properties; it will open a new Property Pages window. If the TargetReportFolder folder is not present on the Report Server then it will be created in the deployment process. As you can see from the image below I have already filled the required information. Right click on the report which you want to deploy on Report Server and click on deploy. It will deploy the report on the Report Server. I am deploying my report; on successful deployment you will get a similar message as shown below. Please follow all the steps listed below. Please assign the variable value as C: This variable holds the folder path where the exported file will be saved. You have to make sure that this folder is present at the defined location, otherwise the SSIS Package will fail. ReportParameter - Data Type for this variable is String. Please assign the variable value as 1. This variable holds the parameter value which needs to be passed into the SSRS report. I have assigned values for both the variables; refer to the image below. I have assigned the C: Once you click on edit button it will open the Script task editor window. Once the above two selections are done then click on Edit Script. Once you click on Edit Script task, it will open Script Task editor window. Create url , System. Read laBytes, 0, loFileStream. Based on the requirement the user has to modify the URL and Destination variables in the Public Sub Main function highlighted in the code with the rectangle box. The URL variable contains the path of the report for the report server and the Destination variable contains the folder path where the file needs to be saved with a dynamic file name.

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## Chapter 3 : Using SSRS In Angular / calendrierdelascience.com MVC Application – Sergey Barskiy's Blog

*You need to use the ssrs api instead of the url access. with that you can have it peel off the reports as html and tuck it into your IFrame. If you want the toolbar functionality that comes with the report viewer toolbar you can to set the credentials via the rc commands, depending on what type authentication you are using, this can stop the prompt.*

Only the contents of the BODY tag are rendered. In some scenarios, report parameters can be used to launch script injection attacks when rendering reports to HTML. For more information about securing reports, see Secure Reports and Resources. Note You can create and modify paginated report definition. Each authoring environment provides different ways to create, open, and save reports and related items. MHTML reports are also useful for embedding within e-mail messages because all resources are included with the report. Browser Support This rendering extension supports the following browser versions: For example, the text box contains a property called WritingMode. This property is not supported in Firefox. The renderer builds an HTML table structure to contain all of the items in each ReportItems collection, if there is more than one. Every item within the table structure occupies a single cell. Empty cells are collapsed together as much as possible to reduce the size of the HTML. A row of empty cells is added to the top edge and another column to the left edge to improve the speed at which browsers can render the table. Table rows or columns that contain no items, just gaps between items, are given fixed widths and heights. All other rows and columns are allowed to grow depending on the size of each report item. All coordinates and report item sizes are converted to millimeters. All other sizes, including style properties, retain their original units. Size and position differences smaller than. The following is a description of specific behaviors. When the item is clicked, a call back to the server takes place in order to re-render the output with the changed show or hide state. Document Map Document map labels are rendered and can be navigated to by using the document map in the viewer control. For omitted data region headers, labels are rendered on the first child cell. If there is no child cell present, the label is rendered on the child that precedes it. Bookmarks Bookmark links are rendered and appear as hyperlinks. Bookmark targets are rendered and can be navigated to by clicking the bookmark links. When a bookmark link is clicked, the report goes to the first occurrence of the target bookmark label and, when possible, the browser is scrolled so that the bookmark link is at the top of the window. Interactive Sorting If a text box has user sort defined, the HTML rendering extension renders the sort icons in the text box to the right of its contents. If a report contains any text box where user sort is defined, JavaScript is rendered that causes a postback to the server when the sort image is clicked. Search The Search feature allows users to search for a string of text within the report. Additional search and find functionality is provided by the ReportViewer Web Forms control. Device Information Settings You can change some default settings for this renderer, including which mode to render in, by changing the device information settings.

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## Chapter 4 : Integration of SSRS and .NET using Iframe and URL Command Approach - CodeProject

*Using SSRS In Angular / calendrierdelascience.com MVC Application Posted by Sergey Barskiy on 29 December , am I blogged a long time ago about a pattern on how to show reports in an calendrierdelascience.com MVC application.*

Add three text boxes into Layout sections. The idea is to showcase tradeoff between SSRS data coming from. This integration will help you to build around more complex solutions based on this solution. Once these parameters are created, add an expression to each of the textboxes mentioned above and assign the value to these parameters respectively. You can download the source code and view exact implementations there. It is simple and easy to create. If the RDL is error free, there are no issues uploading it into report manager Reports folder. Note the URL of the report uploaded in Report manager. The URL would be something like this: The aim is to integrate. Here we are going to embed remote SSRS report into. NET form without using Report viewer control. The essential part of this implementation is to invoke or call server side code using JavaScript. At runtime, we construct form and post it through server side with hidden input field containing values to other website of SSRS report. The below code snippet demonstrates the illustration given above. In a nutshell, we have Report Command URL via which we can control many settings of reports such rendering, format, input fields and type of export of reports and all. Next step is to open Sharepoint portal and administrator of the site will edit or add new page using site settings. In the given page, one needs to add Pageviewer webpart. In pageviewer webpart, one needs to modify shared webparts property and assign the. Once these settings are applied, publish and check in the page and it is available to access as per role-user mapping. I tried to cover many important things in this article and below are the key highlights: I have decoupled the input parameter control from SSRS and shifted to. NET Hope I tried to put things here more reasonably and in the most understandable way. Any suggestions or corrections are most welcome.

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## Chapter 5 : .net - Integrate SSRS with AngularJS?

*In a previous blog post, I discussed the issues surrounding integrating SQL Server Reporting Services (SSRS), AngularJS and calendrierdelascience.com this post, I will be outlining how we can easily render an SSRS report within a Web-API.*

To specify format strings within a text box report item, you need to select the item that you want to format, right-click, select Text Box Properties, and then click Number. You can format individual cells in a table or matrix data region in the same manner, because cells in a table or matrix are individual text boxes. A chart data region commonly shows dates along the category x axis, and values along the value y axis. To specify formatting in a chart, right-click an axis and select Axis Properties. On the value axis, you can specify formats only for numbers. To specify formatting in a Gauge data region, right-click the scale of the gauge and select Radial Scale Properties or Linear Scale Properties. Note You can create and modify paginated report definition. Each authoring environment provides different ways to create, open, and save reports and related items. Considerations for Formatting Numbers and Dates Before you format numbers and dates in your report, consider the following: By default, numbers are formatted to reflect the cultural settings on the client computer. Use formatting strings to specify how numbers are displayed so that formatting is consistent regardless of where the person who is viewing the report is located. The formats provided on the Number page are a subset of the .NET Framework standard numeric format strings. To format a number or date using a custom format that is not shown in the dialog box, you can use any .NET Framework format strings for numbers or dates. If a custom format string has been specified, it has a higher priority over default settings that are culture-specific. For example, suppose you set a custom format string of " , " to show the number as 1, This may have different meaning to users in the United States than it does to users in Europe. Before you specify a custom format, consider how the format you choose will affect users of different cultures who may view the report. If you specify an invalid format string, the formatted text is interpreted as a literal string which overrides the formatting. If you are formatting a mix of numbers and characters in the same text box, consider using a placeholder to format the number separately from the rest of the text. If an invalid format string is specified for the Format property on the text box, the format string is ignored. If an invalid format string is specified for the Format property on the chart or gauge, the format string that you specified is interpreted as a string and formatting is not applied. If you select Currency under Category and you check Show values in, you can select Thousands, Millions, or Billions to display numbers using financial formats. For example, if the field value is 1,, and you select Billions and specify 2 decimal places, the value displayed in the report is 1.

## Chapter 6 : calendrierdelascience.com MVC 5 - AngularJS, Create PDF File Using Microsoft Report

*Hi Nag\_23, From your description, you need to open a new window and render a new report with PDF or Excel format. I did a test on my machine, if the URL address includes "&rs:Format=PDF" or "&rs:Format=Excel" parameter, it always pop-up a File Download dialog when click the hyperlink to open a new window and render a report.*

## Chapter 7 : Execute a SQL Server Reporting Services report from Integration Services Package

*I have a SPA running with Visual Studio created using one of my previous posts "Creating an Empty calendrierdelascience.com Project Powered by AngularJS using Visual Studio". And I have set of reports deployed to SSRS Report Server already (Here I am not going to explain how you can deploy reports to SSRS Report Server).*

## Chapter 8 : SQL Reporting Services - CodeProject

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*Download SSRS report as Excel File (AngularJs, C#, MVC) I am working on a MVC project with AngularJs and trying to download SSRS report as an excel. Am new to AngularJs.*

### Chapter 9 : How To Display SSRS Report In calendrierdelascience.com MVC Web Application

*Abstract: Sometimes you need to get the results of a report from SSRS and send an e-mail to your users. In this article, we will look at how this is done in calendrierdelascience.com by calling the SSRS Execution Web service I had a requirement to call a report on our SSRS server and send the results as e-mail to our.*