Question

Lucas Bourré · Jul 16, 2020

## create a PDF from the DeepSee UserPortal using a headless browser

Hello Community,
I hope you're going well.

I am programming a daily reporting that will send by e-mail when people will add a dashboard as favorite by

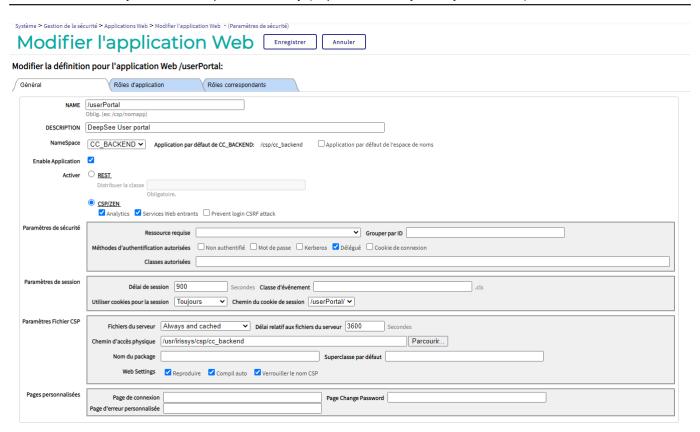
clicking on the star:



I asked Intersystems WRC on how to automatically generate a report with some line coding, but I heard there is no way to do this without a headless Browser.

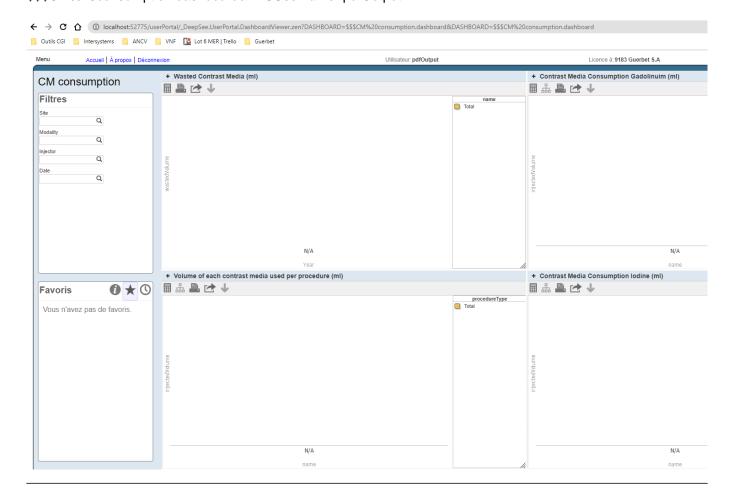
I downloaded google-chrome to use the "--headless" and "--print-to-pdf" function , to print the HTML content of my dashboard into a PDF. (I will use ZF function to launch the generation).

I also created a delegated application "/userPortal" to be able to use the "ZAUTHENTICATE.mac" routine :



I will put as an argument "Username=pdfOutput" . In this way , It will create a delegate user that only have "read permission" to secure a bit my application.

When I open the next URL in Chrome, It opens the DashboardViewer without any problem: <a href="http://localhost:52773/userPortal/DeepSee.UserPortal.DashboardViewer.ze...">http://localhost:52773/userPortal/DeepSee.UserPortal.DashboardViewer.ze...</a> \$\$\$CM%20consumption.dashboard&IRISUsername=pdfOutput



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The URL changed automatically and remove the "Username" part (redirection security?)

My problem is the next one:

When I try to generate the PDF with the linux command, it shows the "access Denied" error in the PDF it outputs (as attached file):

sudo google-chrome-stable --no-sandbox --headless --disable-gpu --print-to-pdf <a href="http://localhost:52773/userPortal/DeepSee.UserPortal.DashboardViewer.ze...">http://localhost:52773/userPortal/DeepSee.UserPortal.DashboardViewer.ze...</a> \$\$\$CM%20consumption.dashboard&Username=pdfOutput

I checked if the ZAUTHENTICATE.mac routine was called, and it is the case ( i put a global to see the time and the name of the "username").

It looks like, with a browser, there is a redirection after authentication that can cause the problem.

I checked the Audit database but I don't have any event for my call.

Does anyone have an idea, or have a better way to print a dashboard without a browser?

Thank you in advance. I wish you a good day.

Lucas Bourré

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