

Mis PDFs en Azure, gracias. ¡¿What?!



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¡Gracias!

Patrocinadores Locales



Colabora



Agenda

Por qué PDFs?

Opciones para crearlos

Nos vamos a Azure

Opciones para crear y editar PDFs

PDF con Adobe, no?



Crystal Reports

The screenshot displays the Microsoft Visual Studio environment with a Crystal Reports project. The interface includes a menu bar (File, Edit, View, Project, Build, Debug, Team, Data, Format, Tools, Test, Crystal Reports, Window, Help), a toolbar, and a status bar. The left sidebar contains the 'Field Explorer' and 'Toolbox'. The 'Field Explorer' shows a tree structure for 'Database Fields' (BILLTEST) with sub-items: Product, ProductId, and Quantity. The 'Toolbox' lists various field types: Formula Fields, Parameter Fields, Group Name Fields, Running Total Fields, Special Fields, and Unbound Fields. The main workspace shows the design view of 'BillCrystalReport.rpt*'. The report is divided into five sections: Section1 (Report Header) containing '[Test Report]', Section2 (Page Header) containing a table with columns 'Product', 'ProductId', and 'Quantity', Section3 (Details) containing a table with columns 'Product', 'ProductId', and 'Quantity', Section4 (Report Footer) containing '[Happy Learning]', and Section5 (Page Footer) which is empty. The table in Section2 has a header row with the field names in green text. The table in Section3 has a header row with the field names in red text.

CrystalApp - Microsoft Visual Studio

File Edit View Project Build Debug Team Data Format Tools Test Crystal Reports Window Help

Debug GetSMSResponseForEFBAL

100%

Field Explorer

- Database Fields
 - BILLTEST
 - Product
 - ProductId
 - Quantity
- Formula Fields
- Parameter Fields
- Group Name Fields
- Running Total Fields
- Special Fields
- Unbound Fields

Toolbox

BillCrystalReport.rpt* Form1.cs Form1.cs [Design] DataSet1.xsd

Section1 (Report Header)

[Test Report]

Section2 (Page Header)

Product	ProductId	Quantity
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Section3 (Details)

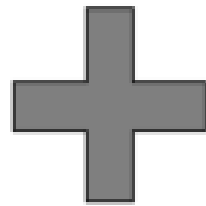
Product	ProductId	Quantity
---------	-----------	----------

Section4 (Report Footer)

[Happy Learning]

Section5 (Page Footer)

Reporting Services



Power BI Reports



**Power BI
Report Server**

iTextSharp iText7



INVOICE I/00000
Apr 01, 2015



From:
Das Company
ZUG Business Center
Highway 1
BE-9000 Ghent
Tax ID(s):
FC: 201/113/40209
VA: BE123456789

To:
Steel, Laura
429 Seventh Av.

BE-9000 Ghent
Tax ID(s):
Not applicable

Item:	Price:	Qty:	Subtotal:	VAT:	Total:
Isothermic mug	8.00	1	8.00	21.00	9.68
Trekking bag	25.00	1	25.00	21.00	30.25
Kajak paddle	25.00	3	75.00	21.00	90.75
Table tennis net	12.00	9	108.00	21.00	130.68
Kajak paddle	25.00	1	25.00	21.00	30.25
Duffle bag	4.00	1	4.00	21.00	4.84
Tank top	15.00	9	135.00	21.00	163.35
Isothermic mug	8.00	1	8.00	21.00	9.68
Table tennis bat	40.00	2	80.00	21.00	96.80
Golf polo	8.00	4	32.00	21.00	38.72
Mosquito Net	13.00	8	104.00	21.00	125.84
Duffle bag	4.00	4	16.00	21.00	19.36
Table tennis net	12.00	1	12.00	21.00	14.52

TAX:	%	Base amount:	Tax amount:	Total:	Curr.:
VAT	21.00	522.31	109.69	632.00	EUR
		522.31	109.69	632.00	EUR

PDFSharp



PDFsharp
A .NET library for processing PDF

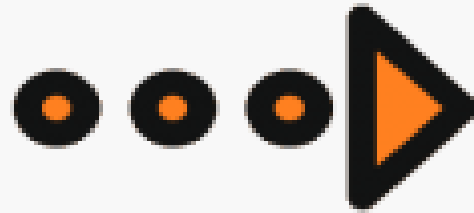
NuGet Package versión:
Feb 2019 - v1.50.5147

```
// Create a new PDF document
PdfDocument document = new PdfDocument();
document.Info.Title = "Created with PDFsharp";
// Create an empty page
PdfPage page = document.AddPage();
// Get an XGraphics object for drawing
XGraphics gfx = XGraphics.FromPdfPage(page);
// Create a font
XFont font = new XFont("Verdana", 20, XFontStyle
// Draw the text
gfx.DrawString("Hello, World!", font, XBrushes.B
new XRect(0, 0, page.Width, page.Height),
XStringFormats.Center);
// Save the document...
const string filename = "HelloWorld.pdf";
document.Save(filename);
// ...and start a viewer.
Process.Start(filename);
```

LaTeX - pdfLatex



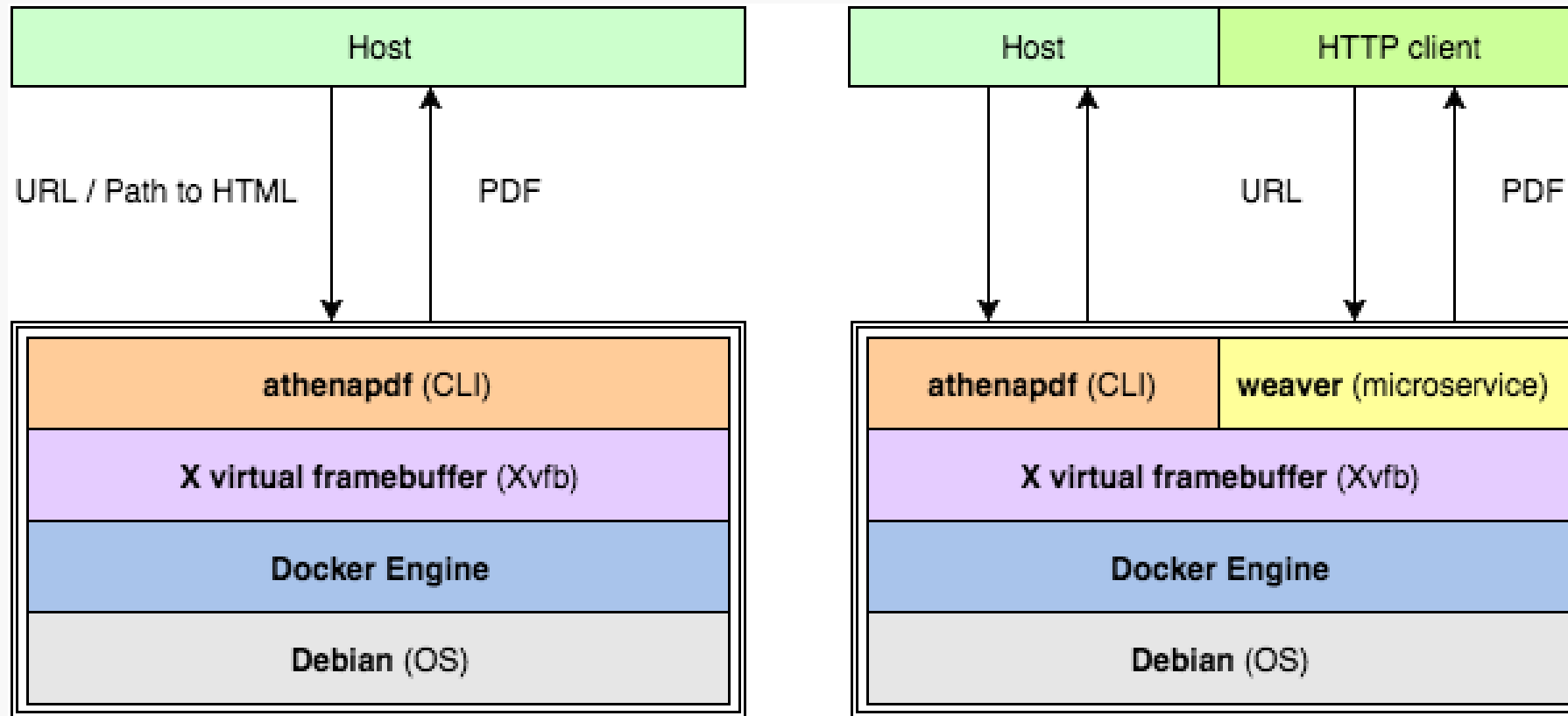
HTML → PDF



Wkhtmltopdf

WK<html>TOPdf

AthenaPDF



Y muchas más opciones

Cairo

jsPDF

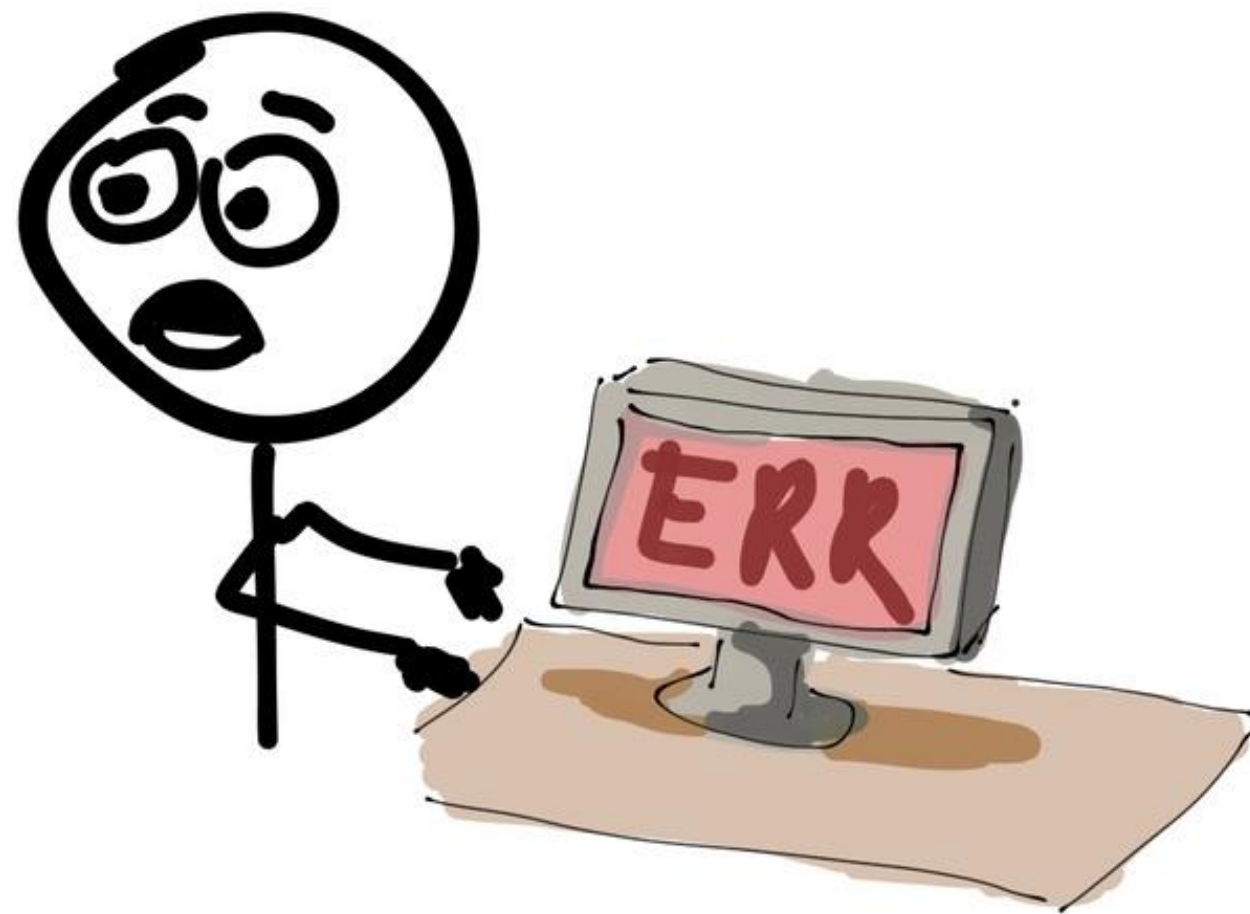
PDFKit

Pdfmake

...



Nos vamos a Azure



El Problema

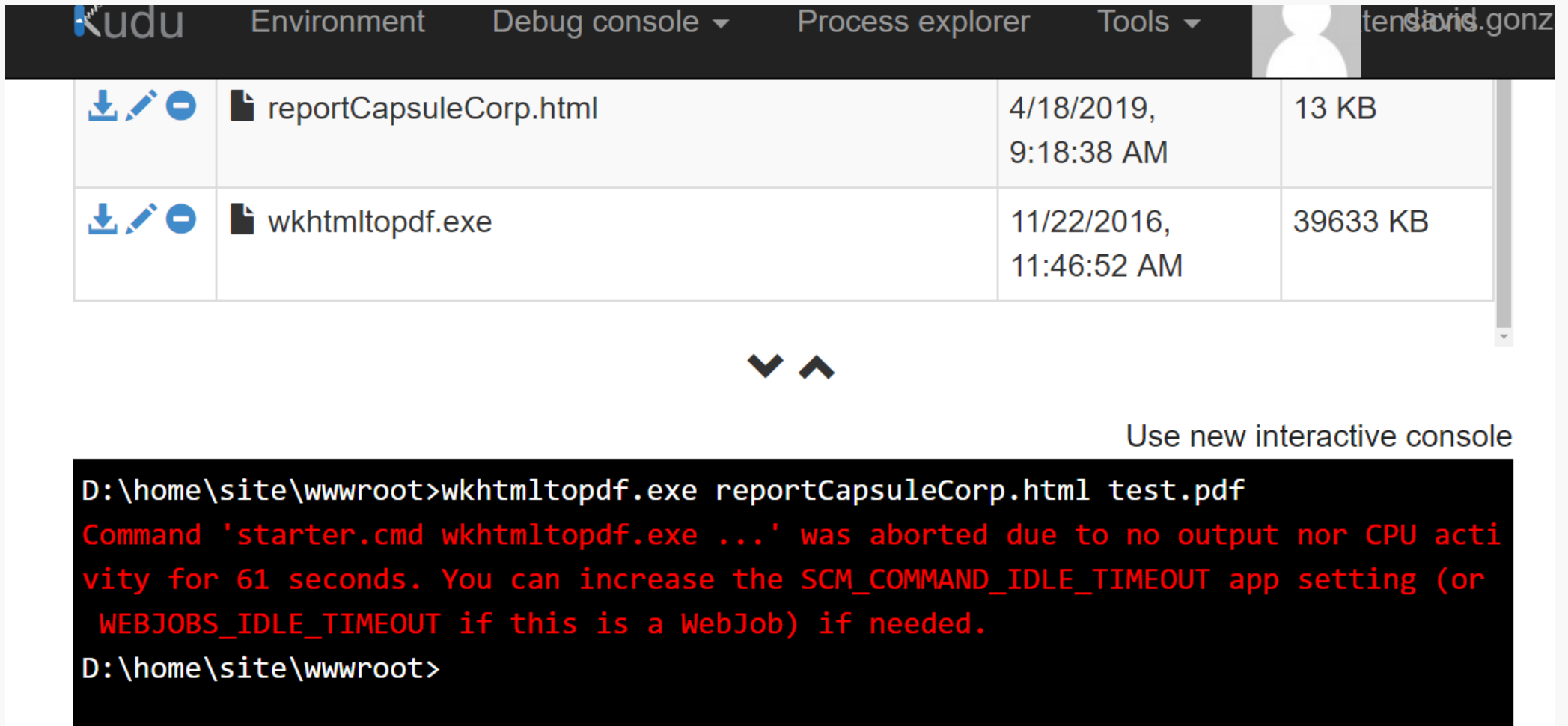
GDI+ and System.Drawing

Opciones

- App service (limited)
- Azure Functions (app service = limited)
- Virtual Machine (limited)
- Docker

Azure Functions

Mode (Consumption)



The screenshot shows the Kudu interface for an Azure Function in Consumption mode. The top navigation bar includes 'Kudu', 'Environment', 'Debug console', 'Process explorer', 'Tools', and a user profile icon for 'tensord'. Below the navigation bar is a table listing files:

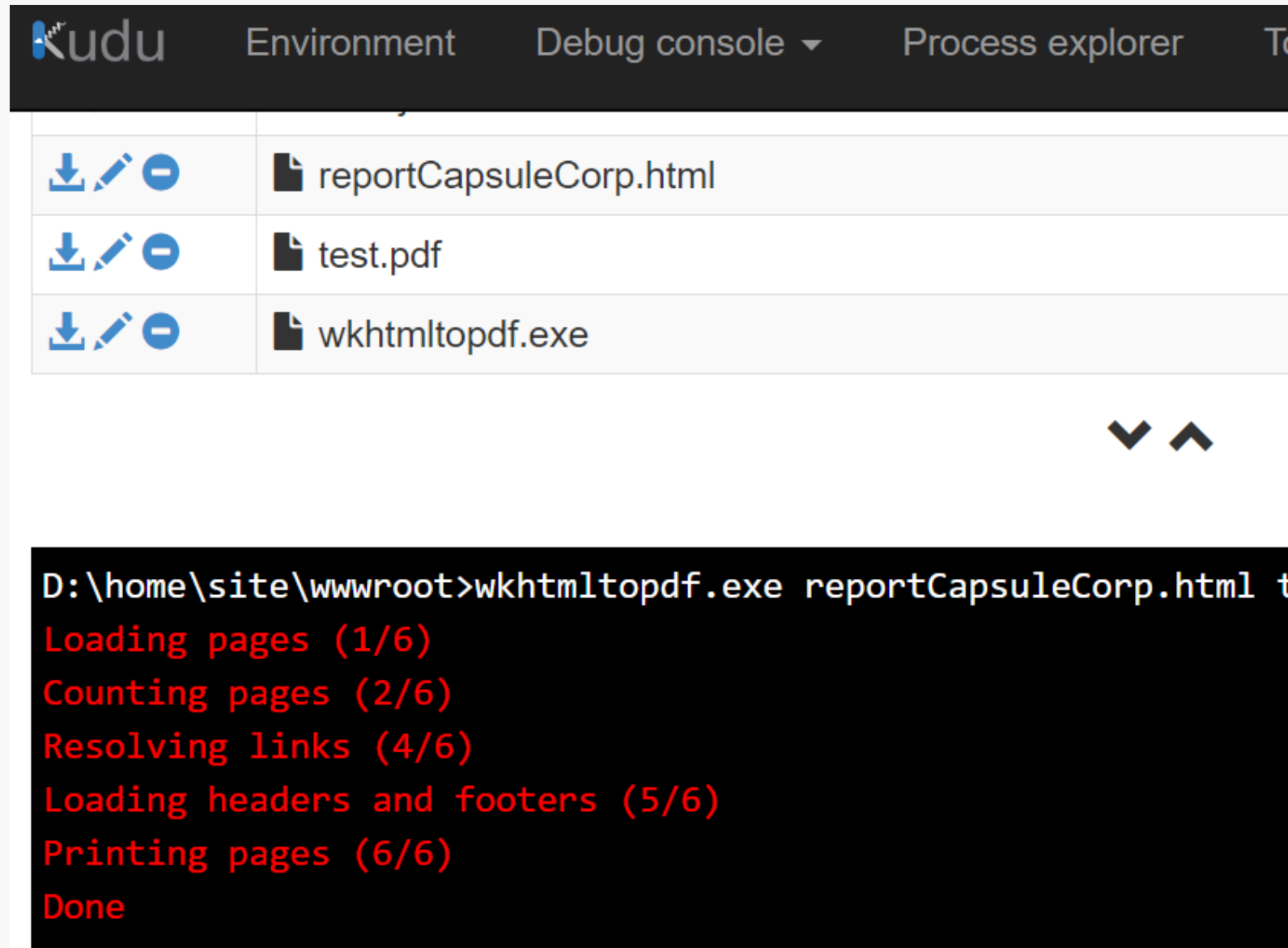
File Name	Size	Last Modified
reportCapsuleCorp.html	13 KB	4/18/2019, 9:18:38 AM
wkhtmltopdf.exe	39633 KB	11/22/2016, 11:46:52 AM

Below the table are two small downward and upward arrow icons. At the bottom right, there is a link 'Use new interactive console'. Below this link is a black console window with the following text:

```
D:\home\site\wwwroot>wkhtmltopdf.exe reportCapsuleCorp.html test.pdf
Command 'starter.cmd wkhtmltopdf.exe ...' was aborted due to no output nor CPU activity for 61 seconds. You can increase the SCM_COMMAND_IDLE_TIMEOUT app setting (or WEBJOBS_IDLE_TIMEOUT if this is a WebJob) if needed.
D:\home\site\wwwroot>
```

Azure Functions

Modo App Service



Docker – Azure functions

En los detalles está la diferencia



En los detalles está la diferencia

Lo que debes evitar:

- Enlazar a recursos externos
- Evitar cualquier Javascript
- Animaciones
- Estilos CSS complejos

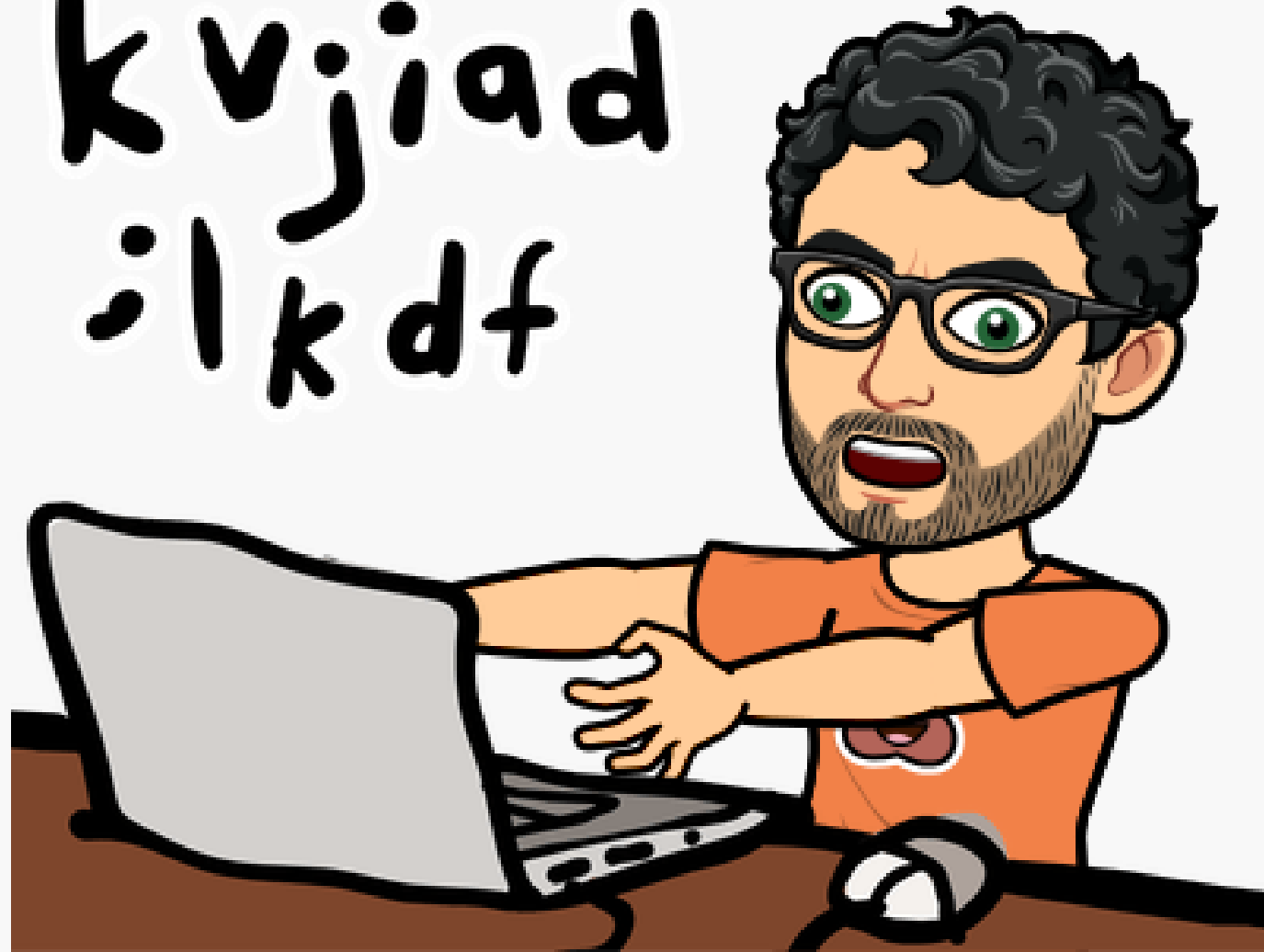
En los detalles está la diferencia

Lo que deberías hacer:

- Estudiar tus necesidades
- Elige sabiamente
- Verifica que funciona en un entorno de Staging

Happy coding

asdfghijkl;
kvjiad
ilkdf



¡Gracias!

Patrocinadores Locales



Colabora





2019

Global **Azure**
BOOTCAMP

Gracias!