

Canon

CANON MEDICAL SYSTEMS DO BRASIL



UNIVERSIDADE
FEDERAL
DE PERNAMBUCO

DCM Uploader: um sistema de informação para garantia de confidencialidade, integridade e disponibilidade no tráfego de imagens médicas baseadas no padrão DICOM

Resultados da Sprint 02

14/03/2023

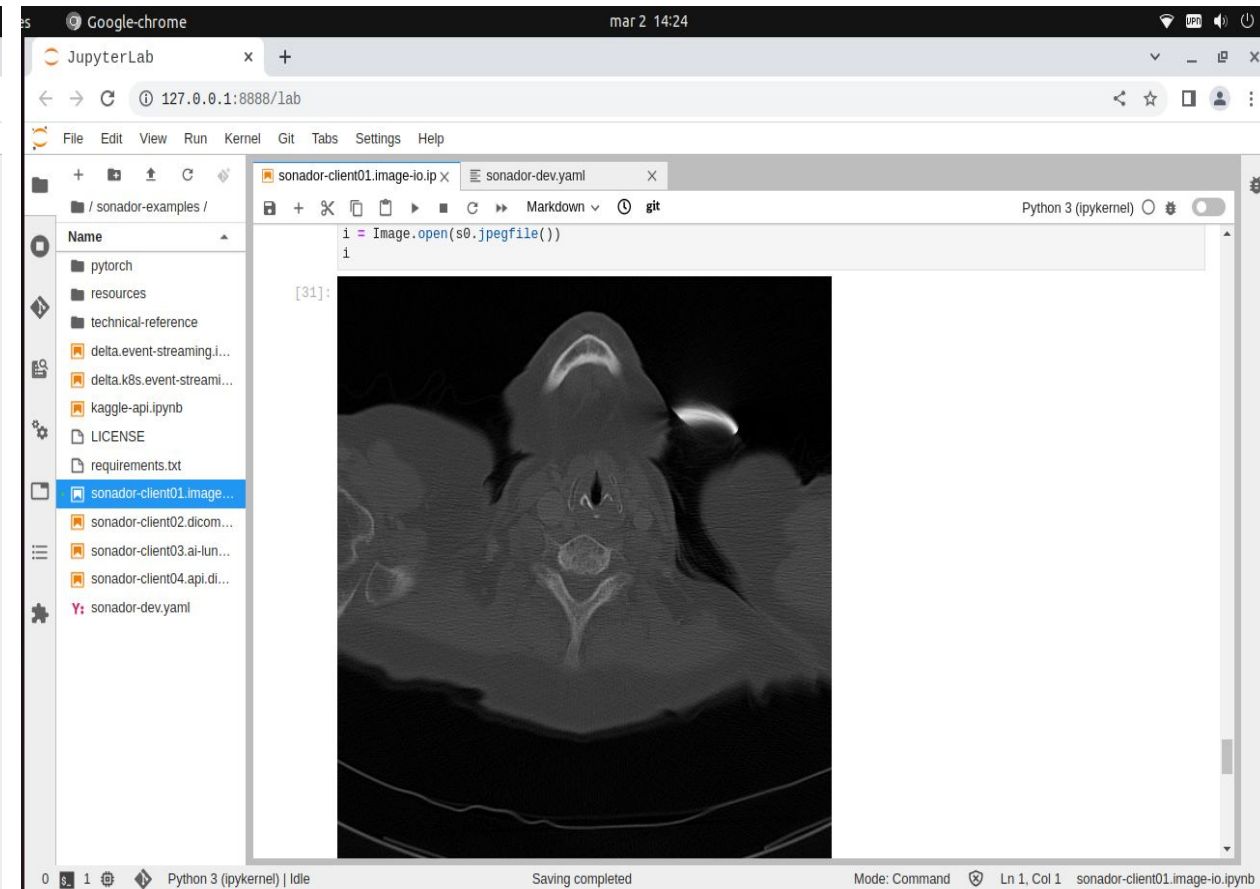
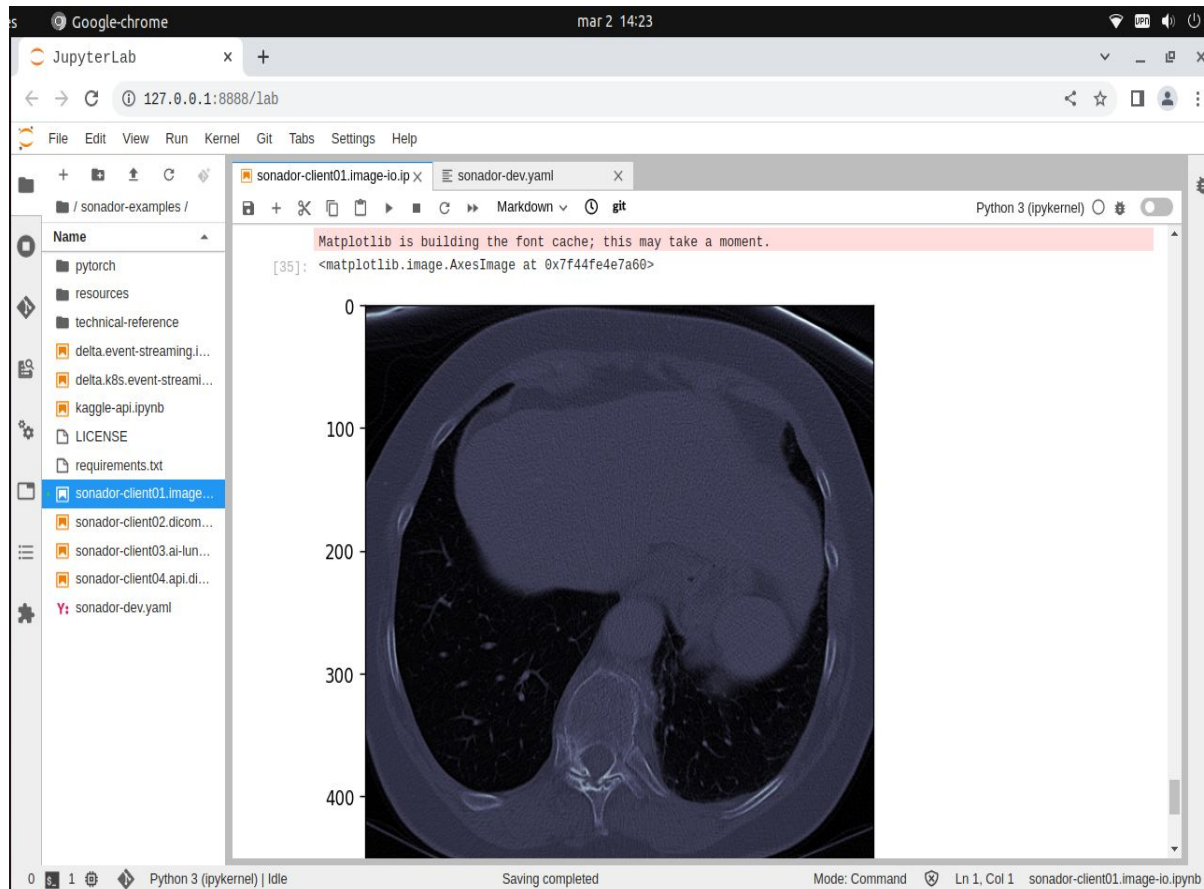
Time Greenfield

Contexto da Sprint 02

- Simular o protocolo DICOM através do Sonador utilizando o ambiente remoto
- Sonador Gateway
- Consolidação de uma base de dados DICOM para testes

Time Greenfield

Resultados



Time Greenfield

Resultados


Google-chrome

mar 2 15:03

JupyterLab

Viewer | Sonador

Not secure | imaging.local:8070

Sonador

INVESTIGATIONAL USE ONLY Options

Dev01

Study List

2 Studies

Patient Name / MRN	Description	Study Date
		Start Date — End Date
C3N-00247 C3N-00247	CT CHEST W IV CONTRAST	CT 15982526... Feb 27, 2010
CARDIAC CA SCORE'DLP 50 AA1G-CV-007	CANON CACS ANALYSIS	CT GEN_CA... Sep 29, 2016

Show 25 rows per page

PreviousNext


Google-chrome

mar 2 15:04

JupyterLab

Viewer | Sonador

Not secure | imaging.local:8070/server/dev01/viewer/study/1.2.392.200036.9116.2.6.1.3268.2054276606.1476299250.733362

Sonador

Study List

INVESTIGATIONAL USE ONLY Options

Series

Stack Scroll

Zoom

Levels

Pan

Length

Annotate

Angle

Reset

CINE

More

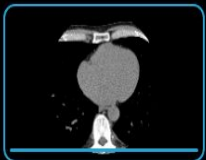
2D MPR

3D Volume

Tag Browser

Layout


Measurements



Cardiac 3.000
S: 4

CARDIAC CA SCORE, DLP 50
AA1G-CV-007

CANON CACS ANALYSIS
Sep 29, 2016 10:33:06



A

R

Ser: 4
Img: 47 1/47
512 x 512
Loc: 138.13 mm Thick: 3.00 mm

Zoom: 107%
W: 380 L: 40
Lossless / Uncompressed

Time Greenfield

Próximos Passos

- Realização dos testes remotos
- Depuração do código do Sonador

Time Brownfield

Contexto da Sprint 02

14/03/2023

- Objetivo era implantar o software em ambientes local e remoto;
- Testar transmissão em diferentes ambientes;
- Tentar reproduzir os erros descritos nos relatórios de testes;
- Depurar o código ou planejar nova bateria de testes.

Time Brownfield

Resultados

- Diversos problemas encontrados no build
 - Versões legadas de Erlang instaladas no *host* parecem interferir na aplicação
 - Versão padrão do docker-compose incompatível
 - Outros (a averiguar)

Time Brownfield






























Resultados - Falha

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
cbc0f1499213	uploader_g-phoenix	"/app/entrypoint.sh"	About a minute ago	Restarting (1) 32 seconds ago		
	uploader_g-phoenix-1					
98b31b9ab383	postgres:9.6	"docker-entrypoint.s..."	About a minute ago	Up About a minute	5432/tcp	uploader_g-db-1

[illegible]


































































Time Brownfield

Resultados - Sucesso

<input type="checkbox"/>	Name	Image	Status	Port(s)	Last started	Actions
<input type="checkbox"/>	 frosty_chandrasekhar f77c23581b5e 	-	Exited (100)		4 days ago	  
<input type="checkbox"/>	 nostalgic_dewdney 4fc8310d01f2 	docker/getting-started	Exited (255)	80:80 	4 days ago	  
<input type="checkbox"/>	 cranky_ritchie dc0ee46478d2 	docker/getting-started	Exited (255)	80:80 	4 days ago	  
<input type="checkbox"/>	 uploader_t	-	Running (2/2)		1 minute ago	  
<input type="checkbox"/>	 uploader_r	-	Running (2/2)		1 minute ago	  
<input type="checkbox"/>	 uploader_g	-	Running (2/2)		1 minute ago	  

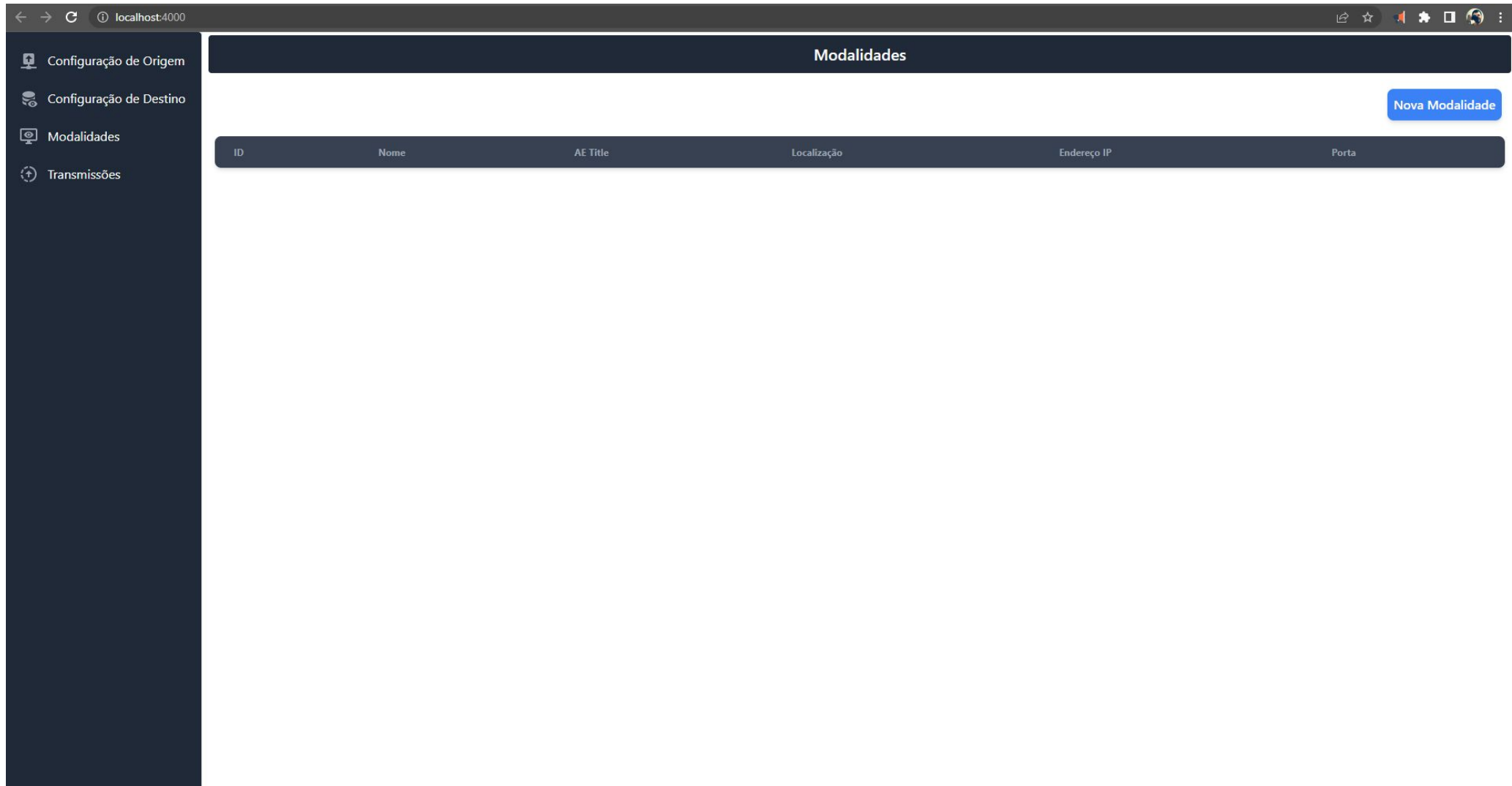
Time Brownfield

Resultados

<input type="checkbox"/>	Name	Image	Status	Port(s)	Last started	Actions
<input type="checkbox"/>	 frosty_chandrasekhar f77c23581b5e 	-	Exited (100)		4 days ago	  
<input type="checkbox"/>	 nostalgic_dewdney 4fc8310d01f2 	docker/getting-started	Exited (255)	80:80 	4 days ago	  
<input type="checkbox"/>	 cranky_ritchie dc0ee46478d2 	docker/getting-started	Exited (255)	80:80 	4 days ago	  
<input type="checkbox"/>	  uploader_t -	-	Running (2/2)		3 minutes ago	  
<input type="checkbox"/>	 uploader_t_phoenix_1 4cfd0904d391 	uploader_t_phoenix	Running	4000:4000  Show all ports (2)	3 minutes ago	  
<input type="checkbox"/>	 uploader_t_db_1 82351f6bdd8f 	postgres:9.6	Running		3 minutes ago	  
<input type="checkbox"/>	  uploader_r -	-	Running (2/2)		3 minutes ago	  
<input type="checkbox"/>	 uploader_r_phoenix_1 c2dae4c1afe6 	uploader_r_phoenix	Running	3022:22  Show all ports (3)	3 minutes ago	  
<input type="checkbox"/>	 uploader_r_db_1 9a811d5f00fd 	postgres:9.6	Running		3 minutes ago	  
<input type="checkbox"/>	  uploader_g -	-	Running (2/2)		3 minutes ago	  
<input type="checkbox"/>	 uploader_g_phoenix_1 7b7176237214 	uploader_g_phoenix	Running	4002:4002 	3 minutes ago	  
<input type="checkbox"/>	 uploader_g_db_1 ea9a6cc7858b 	postgres:9.6	Running		3 minutes ago	  

Time Brownfield

Resultados



The screenshot displays a web application interface for 'Time Brownfield'. The browser's address bar shows 'localhost:4000'. The interface features a dark sidebar on the left with four menu items: 'Configuração de Origem', 'Configuração de Destino', 'Modalidades', and 'Transmissões'. The main content area is titled 'Modalidades' and contains a table with the following columns: ID, Nome, AE Title, Localização, Endereço IP, and Porta. A blue button labeled 'Nova Modalidade' is positioned in the top right corner of the table area.

ID	Nome	AE Title	Localização	Endereço IP	Porta
----	------	----------	-------------	-------------	-------

Time Brownfield

Resultados

Unidades

Transmissões

Logs

Dashboard

ID da Unidade	Localização	Host	Porta	Tipo	Status	
1				Receptor	Pendente	Detalhes Editar Recusar Aceitar
2				Transmissor	Pendente	Detalhes Editar Recusar Aceitar

ID da Unidade	Localização	Host	Porta	Tipo	Status
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Time Brownfield

Resultados

← → ↻ ⓘ localhost:4001

Config. do Uploader R

Config. do Repositório

Configurando Uploader R

Receptor

Mudar essas configurações reinicia o EchoSCP

4B2E8DE17F8

Localização

Hospital de João Pessoa

AE Title do Receptor

CSTMM

Timeout de STORE (em minutos)

Timeout de Processamento (em minutos)

Salvar

Time Brownfield

Próximos Passos

- Investigar o porquê do software não executa em alguns ambientes.
 - Testar transmissões em *localhost*
 - Testar transmissões em nuvem
 - Reproduzir erros descritos nos relatórios de testes
-
- 1) Entender e depurar o código;
 - 2) Estudar o protocolo + planejar e executar bateria de testes.