

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 03

28/03/2023

Time Greenfield

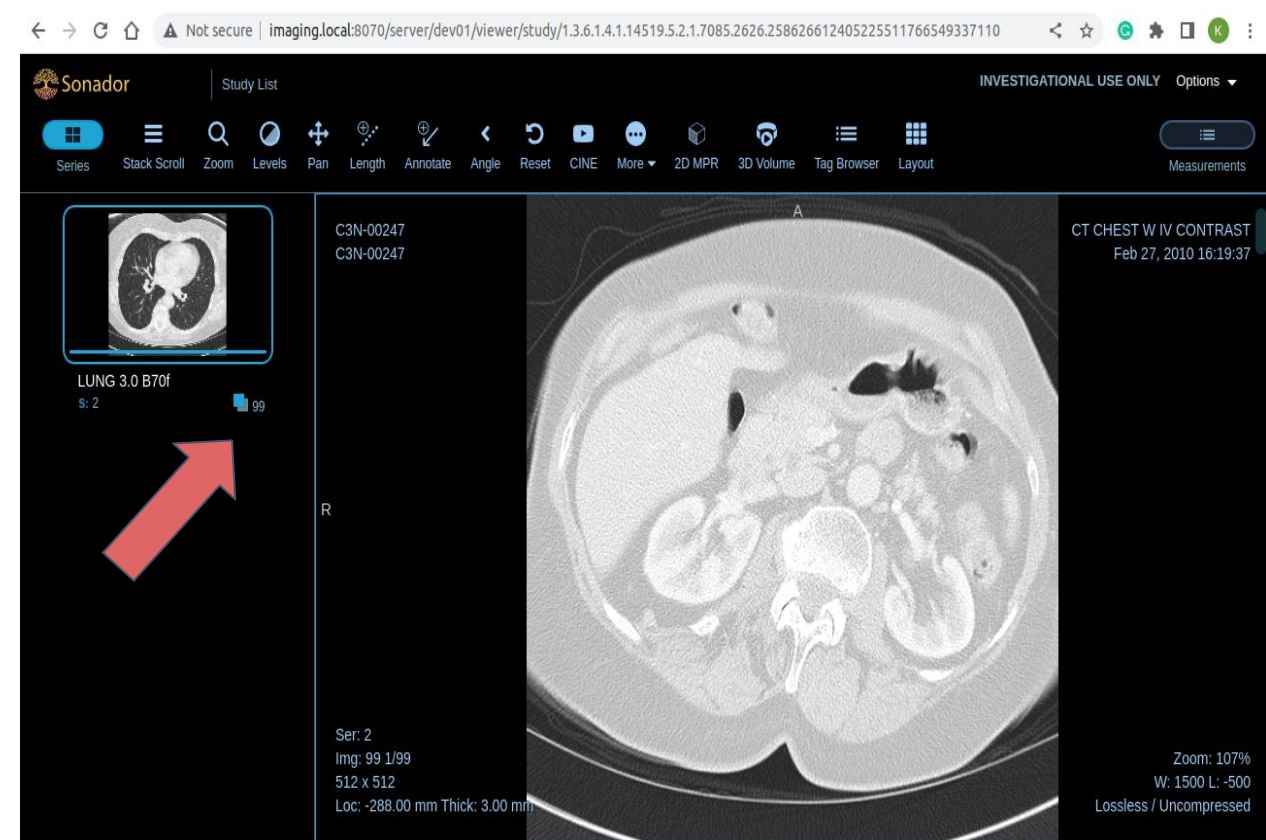
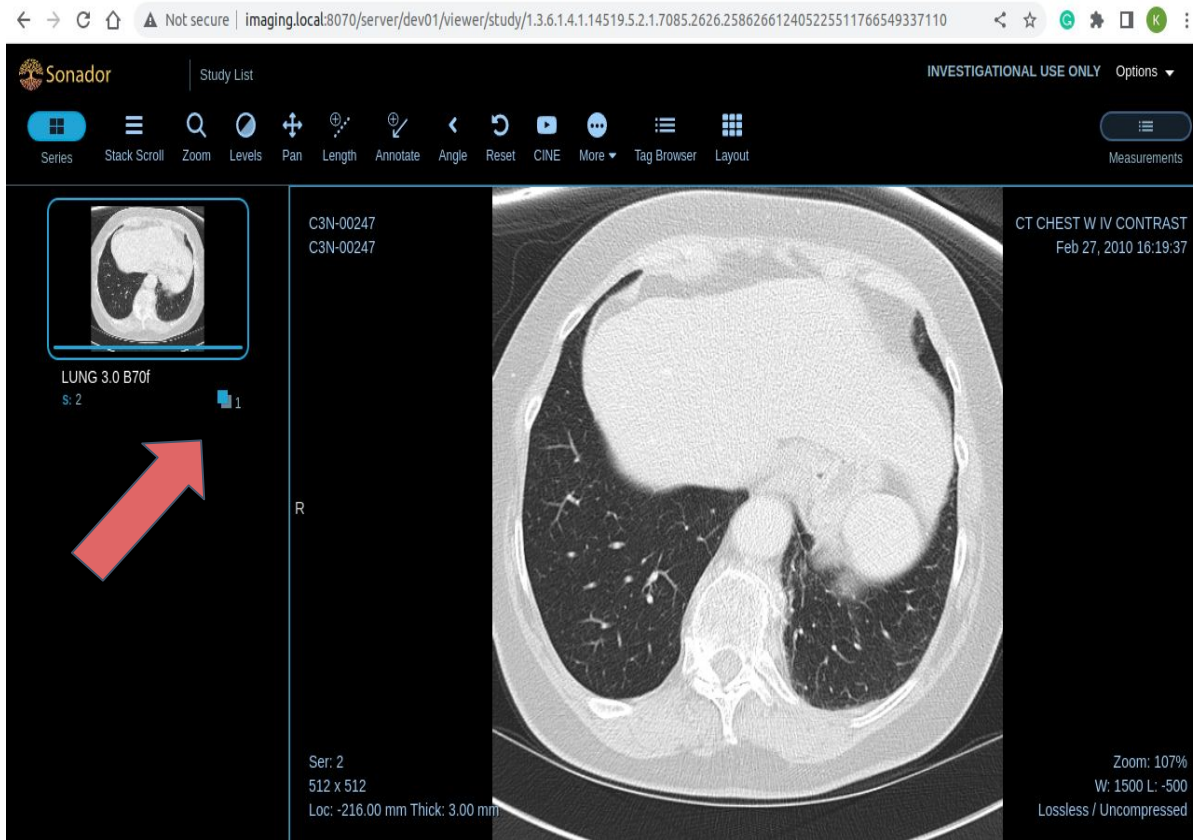
Contexto da Sprint 03

- Realização de testes de transferência de dados na plataforma Sonador
- Análise de código da plataforma Sonador

Time Greenfield

Resultados

- Cenário 1: Transmissão “pausada”




Time Greenfield

Resultados

- Cenário 2: Estudo duplicado

← → ↻ 🏠 ⚠ Not secure | imaging.local:8070 🔍 ☆ 🌐 ⚙ 📱 🟢 K ⋮


 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 Previous Next

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 INVESTIGATIONAL USE ONLY Options ▾

Dev01 ▾ / Study List ↻ + 2 Studies

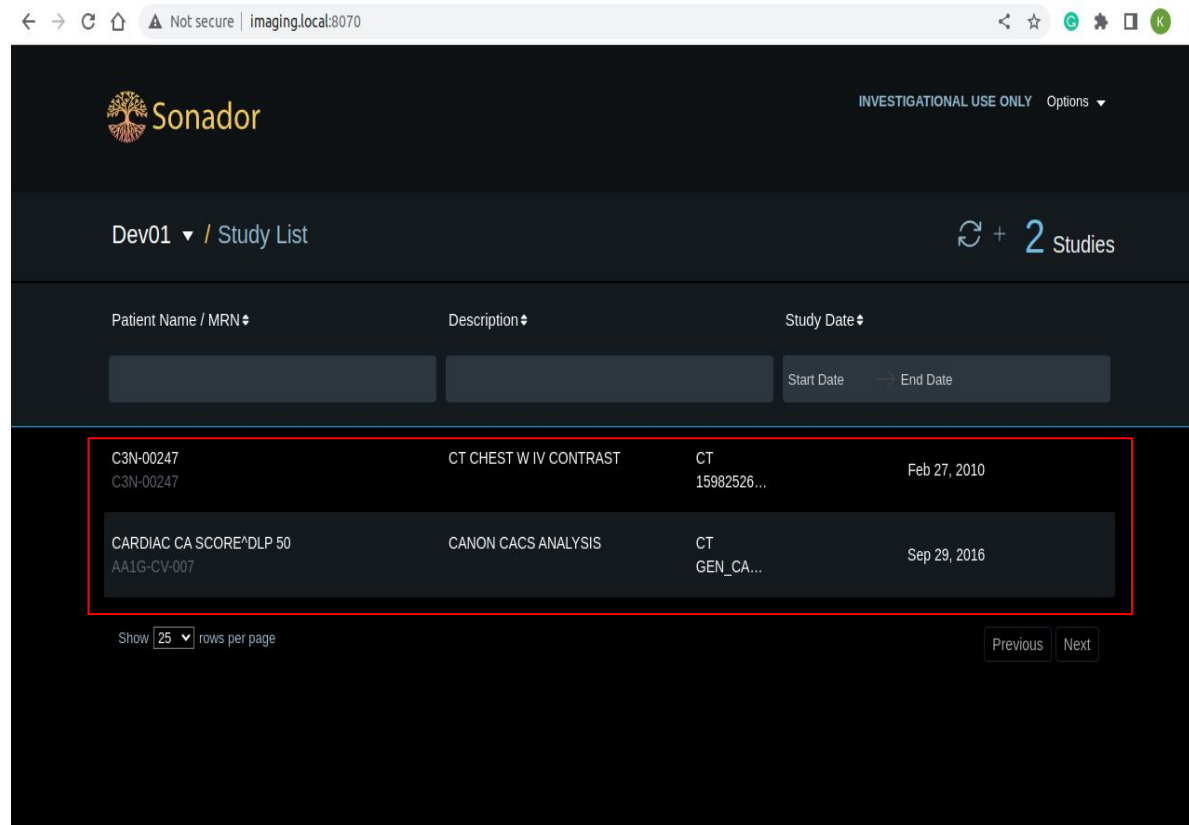
Patient Name / MRN ⚡	Description ⚡	Study Date ⚡
		Start Date → End Date
C3N-00247 C3N-00247	CT CHEST W IV CONTRAST	CT 15982526... Feb 27, 2010
CARDIAC CA SCORE*DLP 50 AA1G-CV-007	CANON CACS ANALYSIS	CT GEN_CA... Sep 29, 2016

Show 25 rows per page Previous Next

Time Greenfield

Resultados

- Cenário 3: Envio de 2 estudos concorrentemente



The screenshot shows the Sonador web application interface. The browser address bar indicates 'Not secure | imaging.local:8070'. The application header includes the Sonador logo and the text 'INVESTIGATIONAL USE ONLY' with an 'Options' dropdown. Below the header, the breadcrumb 'Dev01 / Study List' is displayed next to a refresh icon and '+ 2 Studies'. A search bar is located below the breadcrumb, with fields for 'Patient Name / MRN', 'Description', and 'Study Date' (with sub-fields for 'Start Date' and 'End Date'). The main content area displays a table of two studies, which is highlighted by a red rectangular box. The table has four columns: Patient Name / MRN, Description, Study Name, and Study Date. The first study is 'C3N-00247' with description 'CT CHEST W IV CONTRAST' and date 'Feb 27, 2010'. The second study is 'CARDIAC CA SCORE*DLP 50' with description 'CANON CACS ANALYSIS' and date 'Sep 29, 2016'. At the bottom of the table, there is a 'Show 25 rows per page' dropdown and 'Previous' and 'Next' buttons.

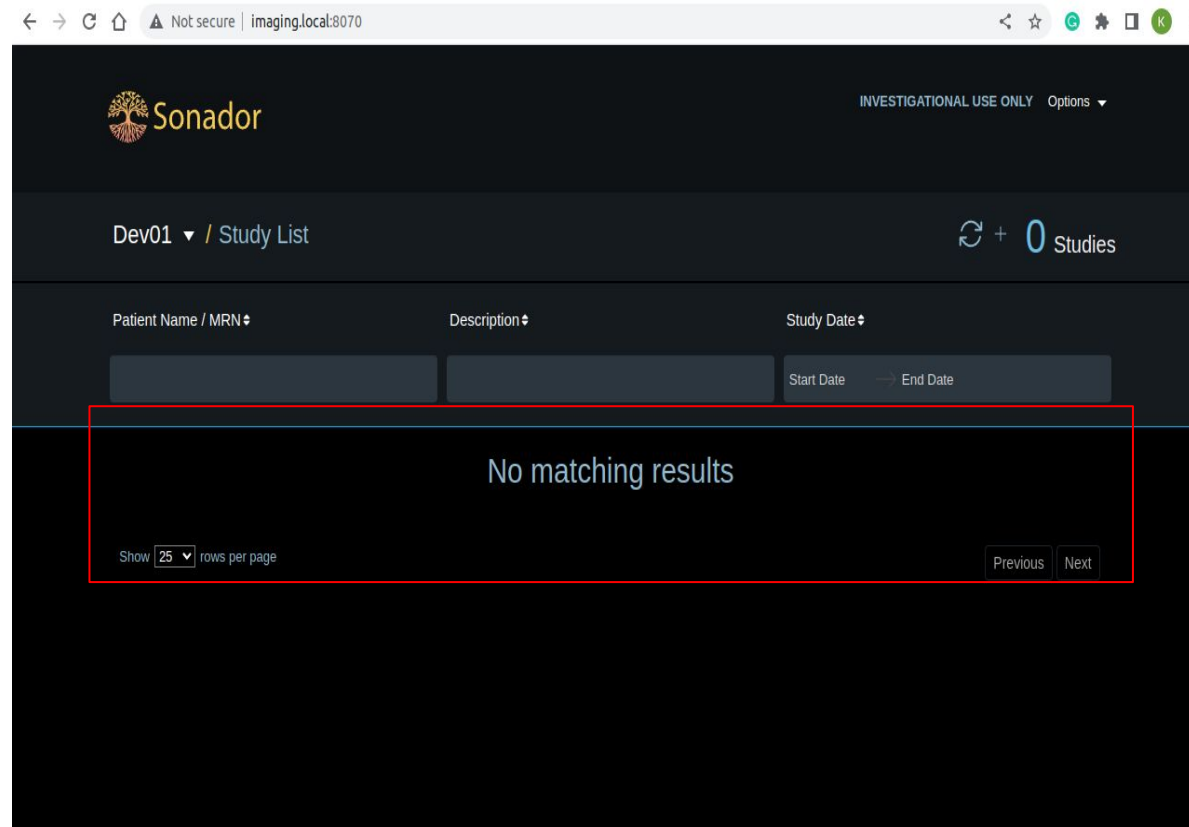
Patient Name / MRN	Description	Study Name	Study Date
C3N-00247 C3N-00247	CT CHEST W IV CONTRAST	CT 15982526...	Feb 27, 2010
CARDIAC CA SCORE*DLP 50 AA1G-CV-007	CANON CACS ANALYSIS	CT GEN_CA...	Sep 29, 2016

Show 25 rows per page Previous Next

Time Greenfield

Resultados


- Cenário 4: Remoção de 2 estudos concorrentemente



Time Greenfield

Resultados


- Teste pequeno - médio - grande

 INVESTIGATIONAL USE ONLY Options ▾

Dev01 ▾ / Study List ↻ + 5 Studies

Patient Name / MRN #	Description #	Study Date #	
<input type="text"/>	<input type="text"/>	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
COLON LOW DOSE P&S POLYP JA1G-APH-001	CANON COLON ANALYSIS WITH POLYP	CT GENESIS	Mar 16, 2016
STENT PLANNING A/P CTA AAA	Endovascular Stent Planning - EVSP	CT	Jul 26, 2018
Vitrea Cardiac 1.5T Vitrea WMT QFlow		MR 20150214...	Feb 14, 2015

Show 25 ▾ rows per page Previous Next

 INVESTIGATIONAL USE ONLY Options ▾

Dev01 ▾ / Study List ↻ + 5 Studies

Patient Name / MRN #	Description #	Study Date #	
<input type="text"/>	<input type="text"/>	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
COLON LOW DOSE P&S POLYP JA1G-APH-001	CANON COLON ANALYSIS WITH POLYP	CT GENESIS	Mar 16, 2016
STENT PLANNING A/P CTA AAA	Endovascular Stent Planning - EVSP	CT	Jul 26, 2018
Vitrea Cardiac 1.5T Vitrea WMT QFlow		MR 20150214...	Feb 14, 2015

Show 25 ▾ rows per page Previous Next

Time Greenfield

Próximos Passos

- Ampliação dos cenários de testes
- Construção de uma base de testes baseada nos cenários propostos
- Realização de testes comparativos (Sonador vs. DCM uploader) para os cenários propostos
- Implantar um servidor de autenticação na AWS

Time Brownfield

Contexto da Sprint 03

28/03/2023

- 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.

Time Brownfield

Contexto da Sprint 03

28/03/2023

<https://canon4000.cin.ufpe.br>

g

<https://canon4001.cin.ufpe.br>

r

<https://canon4002.cin.ufpe.br>

t

<https://scdedeploy4000.cin.ufpe.br>

g

<https://scdedeploy4001.cin.ufpe.br>

r

<https://scdedeploy4002.cin.ufpe.br>

t

Time Brownfield

Contexto da Sprint 03

28/03/2023

```
File "/usr/lib/python3/dist-packages/urllib3/connectionpool.py", line 699, in urlopen
    httplib_response = self._make_request(
File "/usr/lib/python3/dist-packages/urllib3/connectionpool.py", line 394, in _make_request
    conn.request(method, url, **httplib_request_kw)
File "/usr/lib/python3.10/http/client.py", line 1282, in request
    self._send_request(method, url, body, headers, encode_chunked)
File "/usr/lib/python3.10/http/client.py", line 1328, in _send_request
    self.endheaders(body, encode_chunked=encode_chunked)
File "/usr/lib/python3.10/http/client.py", line 1277, in endheaders
    self._send_output(message_body, encode_chunked=encode_chunked)
File "/usr/lib/python3.10/http/client.py", line 1037, in _send_output
    self.send(msg)
File "/usr/lib/python3.10/http/client.py", line 975, in send
    self.connect()
File "/usr/lib/python3/dist-packages/docker/transport/unixconn.py", line 30, in connect
    sock.connect(self.unix_socket)
FileNotFoundError: [Errno 2] No such file or directory
```

During handling of the above exception, another exception occurred:

Time Brownfield

Contexto da Sprint 03

28/03/2023

canon4000.cin.ufpe.br/source_config

Configuração de Origem

Configuração de Destino

Modalidades

Transmissões

Origem

Transmissor

Mudar essas configurações reinicia o StoreSCP

119B50B031D

AE Title

UP-T

IP

192.168.200.135

Localização

Hospital de Teresina

Porta

6000

Limite de Transmissão (em Kbps)

1335

Time Brownfield

Contexto da Sprint 03

28/03/2023



This site can't be reached

canon4001.cin.ufpe.br's DNS address could not be found. Diagnosing the problem.

DNS_PROBE_POSSIBLE

Reload

Time Brownfield

Contexto da Sprint 03

28/03/2023

CONTAINER ID	IMAGE	NAMES	COMMAND	CREATED	STATUS	PORTS
5f65c149f100	uploader_r_phoenix	uploader_r_phoenix_1	"/app/entrypoint.sh"	5 days ago	Up 49 seconds	0.0.0.0:4001->4001/tcp, :::4001->4001/tcp, >22/tcp, :::3022->22/tcp
0a1e08306966	postgres:9.6	uploader_r_db_1	"docker-entrypoint.s..."	5 days ago	Up 3 days	5432/tcp
d52e2e5171de	uploader_t_phoenix	uploader_t_phoenix_1	"/app/entrypoint.sh"	5 days ago	Up 41 seconds	0.0.0.0:4000->4000/tcp, :::4000->4000/tcp,
f9767df21e1c	postgres:9.6	uploader_t_db_1	"docker-entrypoint.s..."	5 days ago	Up 3 days	5432/tcp
4b08eb65270a	uploader_g_phoenix	uploader_g_phoenix_1	"/app/entrypoint.sh"	5 days ago	Up 22 seconds	0.0.0.0:4002->4002/tcp, :::4002->4002/tcp
36e22cbd07d0	postgres:9.6	uploader_g_db_1	"docker-entrypoint.s..."	5 days ago	Up 3 days	5432/tcp