MOV\_1526

1:30

sapphire.component.ts

* Tokens (localhost:3334/auth/jwt)
* Rabbitmq (two users editing the same system, then they get notifications?)

Palette

-are all associations that need their own endpoint and need to know what is allowed

-Console Log -> Application, then look for MODEL\_TO\_ASSOCIATION\_MAP

4:00

Model Services (model.service.ts)

-if it exists get it, else hit the endpoint?

-model information changes between releases

-talking about Savant models

5:50

Edit service

-most of the logic

Model service has no DB stuff but edit(?) does

6:40

MongoCompass

-get URL

-localhost:27017

8:00

-Only thing we care edit-service and model-service

-perference.service is mostly for light/dark mode

-perfence service is FF, standalone means off FF

MOV\_1527

security-marking-service

-icism are security markings

-backend services is Savant, in order to get it work with FF we had to fork it and modify it because of data tokens and authentication

1:30

Import/export service

-can import/export service to and from Sapphire

-simulate doesn’t do anything

-map menu but a CDK overlay

4:36 catalog service

-read/write data tokens

Using Angular version 15

Shared/directives => file drag and drop

6:00 ng-table

8:45

-Don’t need a login screen, all the authentication stuff is handled by flexible flyer

9:00 app/system-manager is basically surf manager

9:30 system editor is pretty much the entire page

10:30 system-editor/tlm-graphic

Legacy used to call TLM an STD (State Transition Diagram)

-you still might see STD since they don’t refactor

11:25 tlm-diagram stuff is also there

18:00 primitive and sequences

-Primitives has property sheets (basically not TLM associated with it), sequences is not a primitive because it can have TLM diagram

-Considered containers because it has a diagram inside

-PRI can be both based on configuration

24:45

Property Sheet is what I will be working on! (property-sheet.component.ts)

-PS opens in a new tab, it loses context of the TLM so a lot of stashing session data that happens

-holds all the data, endcalls

Line 684: is how we get the property sheet data

28:00

retryWhen: So the property sheet will never stop leading

37:10

EWIRDB’s Guide

MOV\_1530

security-ma

MOV\_1531

-maven good for automation

-maven clean install

5:50

-H Drive (create .m2 directory), H drive is hooked up to Linux box?

MOV\_1533

4:00

4:40 Search button disabled offline mode

Online hooks up to some Jade?

-disable URL

11:00 make a branch off of it

Property Sheet -> Modal Override

12:16 Shouldn’t be open but a blank box like the other ones

Should only open up if there is data

15:00

Small image for icon

17:00

data/scratch/sjm39/SMTFF/edit-service => mvn clean install -DskipTests

-then run the SMTFF scripts to get local podman compose

-change the .env files

19:00

Front drives the back end

19:51

Edit service/server-webflux/src/main/controller/EditServiceController.java

Endpoints look like

MOV\_1534

-maven good for automation

-can delete m2/repository

3:38

Docker files?

4:40 POM

-POMs inherit,

7:30

Some ticket for maven?

MOV\_1647

1:00

MOV\_1647

1:00

Mat chips

MOV\_1648

-None

MOV\_1649

-None

MOV\_1650

-onApply would delete it on backend

MOV\_1644

Don’t know why this one appeared after 1647-1650

5:00 selection list is what does the selection

6:30 have an outline

7:00 metadata

-metadata needs to be passed an ID

8:00

-does your multimedia data gets pulled in with your propertysheet

-as you are adding/removing the data to your local list and there won’t be any more end calls, only an endpoint call when you creating a new image

9:40

Selection list

10:00 apache commons

-library that creates common but enhanced data structure, like thread safe queue, multi-processing handling, two way mapping

-Angular has a collections API that is similar.

-it’s a data structure that lets you select what is selected. You don’t have to keep passing data under the hood

-You just set a hook to the mat list item, it knows how to handle when the user selects it, it automatically updates, removes the selection model. And then when you hit the buttons, you don’t have to figure which one is selected, you already know

13:24

-When do we get the multimedia data now? Assuming property sheet now

-If they give us all the objects, data then that is super simple

17:13

-doesn’t allow inheritance like that, enum

19:45 Offline/Online

-Online is broken on local FTC development because it connects to jade and that is broken

-

IMG\_1629, DELETED

Was setting up Sapphire and needed model service

IMG\_1630

smtff-services/model-services

-need model services for endpoint for data

-model-service in java

-podman stop <iD> => podman container rm <ID> but too many dependencies

So take down everything down in smtff-scripts => podman-compose down

Then go to model service => podman image list, podman rmi <model-service-IMAGE-ID> => mvn clean install -DskipTests => error so git pull

8:45 Don’t add a passphrase RSA

12:00 cache, .m2/repository

14:20 H drive m2

IMG\_1655

smtff-services/model-services

-3:50 Size of the list not matching

-Change the size in style.css, when you override material components, you have to do it in the top most level, won’t work locally

-Line 72 System Manager at style.css? that’s how we shrink them? Figure out where in the property sheet that is done then you can call mat.selection-list density or something

-Control Click on mat and these are the forms where is defined

8:42

-These multimedia is going to be an object and given in the property sheet on load time

-So no endpoints hits, other than creating, and view/play

Line 87

-going to be a multimediaAssociations[]

-14:00 package lock for src?

15:00 Develop needs to have integration branch, don’t want to merge into develop,

19:00 When we are ready to merge the integration branch back into SRC, develop would be updated? Rebase that branch off of develop, put a MR for develop but actually won’t merge it. Just for testing. Port the branch in and delete the MR

20:05, our develop into FTC is being manually bought over from SRC, SRC is the source’s truth. Don’t want to merge into develop unless we know everything works in the pipeline

22:00 don’t need to create another branch for small changes

24:43 Web component security marking

28:39 You can add one comment per row

Rewatch later here:

36:16 ?

38:35 onValueChange

--more important stuff later

42:12: theoretically

Apply button does that adding

-Creating is saving the file to DB, generating the mmID

-Adding is when you hit apply button, it adds the mmID to the property sheet in the system

-Problem when you hit cancel, after generating mm. Now you have a mm in the DB that is orphaned

47:00 error because of …

Skip….

Light mode, don’t call it legacy (TOOLKIT)

IPT is every 3 weeks

58:00 They didn’t like Flexible Flyers, they use it differently then NASIC, NSA

59:45

-Funding

1:01:15

-We are sub and kind of prime

IMG\_1676

-changes to edit/model services

-can’t just deploy the images up there because they aren’t getting built right now (those old images)

-clone the repo and run maven

-first build the SMTFF parent pom, build the libraries => models, legacy, services then deploy

IMG\_1677

2:00

-when you save to a property sheet rows, its going to be an array of mmIDs

-open up dialog, then grab the mmIDs to get metadata

IMG\_1678

4:45

Network-> Response

-After creating reference, went to Network tab and click on Citations

-Because it was grabbing all of the source reference

-Hit apply to save otherwise won’t

07:00

-MM objects which has the string (ID) and metadata

Sapphire-models

-AttributeValueBody.java Line 82 (List<String> mmIds)

9:00

-Apply will be a backend call

-Good info but not understanding, Go back!

13:15

-What happens if you hit delete and don’t hit apply then it doesn’t save

-Adding a citation automatically saves it but need to hit Apply for delete

-WAIT, creating a citation you need to hit Apply but maybe adding it doesn’t

16:00

Network -> Response: search for mmIds

-payload, what is a payload?

17:00

-mmIds is coded into legacy jars

19:55

-reuse MM and search for it (online mode)

-offline mode meaning not connected to jade

18:00

-only one comment per row

-save changes the contents of the comment

28:00

Service user guide is endpoints

32:30

-property sheet hangup

-need the tokens for swagger pages

35:28

-Pom => model => edit

-pull the ewiredb-legacy-apis then mvn clean install

After sapphire models

41:29

-Property-sheet-row line 105, got to add MMids

43:00

Swagger UI stuff

-

-LIST of MMIDS in the property sheet row itself

IMG\_1746

-

IMG\_1746-C

6:51

-metadata save is one endpoint call, metadata is associated to multimedia object

-it gets shared if there are multiple references to the same object

-MMA id array, that gets saved with the apply button that is when you update the metadata in the backend

-that does not trigger a change in the property sheet, because that is specific to MM object not the properties??

17:00

Data token 404 error

IMG\_1668

-When you are done, compare with develop branch

Search & Compare

-this will track of all changes

VSCode

10:32

“Indent Using Spaces” how to do that

IMG\_1772

6:10

-personally like to see the commits on a merge request but when we merge on develop, we do squashing

-so there is only one merge commit message in history on develop

19:20 Rebasing vs Merging

-git push –force

-don’t like linear trees because you cant see where things change

24:50

-metadata is on the object

-CORP has the share multimedia? Not even there yet

26:00

-Copy/paste is the only place in the entire app, where multiple associations can point to the same multimedia

-problem is with the delete

37:00

-add then remove, Apply button should be disabled because there was no change

52:30

-associations string[]

53:30

-removing, data store?

55:00

-it is somehow tracking the original array. Like when you create and delete the created one, Apply button disappears

57:00

Depot: NASIC implantation of pipeline and gitlab

Jason will push it to Depot, then grab it from Depot to SRC

-SRC pipeline will currently push to Depot

Depot is the source of truth, SRC & FTC will pull from Depot

-We will never interact with Depot, our gitlab is just mirrored and just push/pull on FTC,

1:03:00

-confused

1:07:00

-for the story to be done, be inside SRC

-Ready for test

once it is merged, Tyler/Jason can test with SRC stuff then move it to PO review. Then Brian/Roman make sure that acceptance criteria is good, then move it to done.

1:11:47

-Not OBE, fixed it this branch

1:15:14

-For now, every time we create a MM object. The copy/paste will create a duplicate of the object with a new ID. Until we can figure it the issues later

-Apply, the must delete the MM object when you change the MMA list and Modal Override (examples)

1:17:34

-not saving the MM dialog metadata

Network tab -> response

Payload is the only the file currently

Media Type has got to save

1:19

-object security marking is never saved?

-the marking only seems to be banner for images

1:22

Edit-service/server-webflux/src/main/java/EditServiceApplication.java

-last function

-call would be on serviceManager.uploadMultimedia

-datastore.uploadMultimedia, datastore is the one doing the work

Business-mongo/src/mongoDataStore.java

-line582

SMTFFMultimedia is our class

Ewire-legacy-api/src/mongo/multimedia/MongoMultimedia.java has all the metadata already in it

-Try to avoid touching this one because you should only touch this one for input/output.

1:26 swagger UI

-two gets, one gets metadata and one gets file

He got datatoken, and press Authorize

Edit-service/server-webflux/src/main/java/EditServiceMultimediaController.java

Line -138?

CTRL+Click on getMultimedia then getMultimedia

Getter and Upload on those two places

GridFS talk to Jason

1:31

-the id should be changed to MMid

1:46

Lib/src/main/model/multimedia/

WAIT, line 139 wont have to change this line at all, if you just add the new fields to SMTFF multimedia

-takes an object and turns them into JSON files and does it in reverse

IMG\_1778

-make changes to Edit Service, rebuild every time?

-to be safe, tear everything down (data catalog service tends to have problems)

3:38

-Standalone compose so we don’t have to worry about data tokens

5:26

-Dealing with just gridFs? Maybe changes to sapphire models to make sure data model is there

Sapphire Model

-purpose is store data (POJOs)

-no business logic

-so that all the services and legacy api will use the same object

-anything that starts with mongo is legacy?

-anything that starts with SMTFF are mongo objects (M: makes no sense, should have been flipped)

9:26

SRC piplines probably only have ESLINT, no html/css

10:41

Sapphire Model/src/main/multimedia/SmtffMultimedia.java

-that is stored?

12:48

Colored Files are warnings, formatting, obsolete, TODOs

16:45

-mongoDB, containers must be running?

-multimedia collection is removed?

-Jason linked the mmId in mm collection to id file which points to files.fs (fs.files?). Now you can set fs.files mediaId (uniqueId) to be mmId

20:41

Attribute Value

-don’t save security marking, just for image banner

-in the associated we do

21:00

-rewatch

22:59

-multimedia is staying with the long text

-embedded mm is going to act like attribute mm

25:00

XML part

-legacy long text, creates a mm object which is plain old text file with the long text in it

-short text will be displayed inline in the XML, long text will create a mm object

-xml MM object is TLM

-store long text in XML straight into DB, don’t bother making a MMO because no reason to

30:00

DQI

-DQI Is how they save it, security iscim is how we save it

-DQI has classifications, producers

33

-important?

40

-putting all the changes back into gridFS

-how do want to do it? Take entire object or a select

-property sheet does only what changed

42:00

Attribute Value

-saves file, media type, (security marking doesn’t save)

Comments/Embedded is the same

-saves the same thing as attribute value

Description is way to import image in long text

53

-legacy api are java 8

55

-Spring Boot 2

1:00

-DAO?

1:03

-make a new fuction multimediaFile

-CORP think of a Z drive, everyone has access

-ABOK within the system

1:09

-rewatch

-we don’t mock thing correctly

1:12

-backend sends more data, frontend just drops it

-reverse might be true

IMG\_1794 ( will delete)

-@Operation ( responses ) are the swagger stuff

-A situation where we import MM without metadata is export/import , where you just want to upload a file

-don’t have to do null checking because they can all be null but if it does exist, it needs to be this type

-smtff-scripts->compose->conf->docker.compose #you can see what edit service relys on

-psa shows containers

-pc down edit-service but too many dependences

IMG\_1795

p logs -f <container id>

-request parm not used often because we are sending files, everywhere else we are sending JSON

IMG\_1935

3:00

-Model service doesn’t do anything right now

-supposed to handle any of the model information it can support files

-models are closely tied to K systems and other parts of EWIR

-I could make these objects with the model??

5:33

Model Serivce

-building all of the branches (subgroups, folders, everything on the palette) there is not data in it

-doesn’t know about the data

-Edit Service is going to go through the system and grab all the entity then send it frontend

-Then frontend will take the two calls, and merge them together to a single tree

7:00

-If it has an entityInstanceId then it is an instance?

-This is a physical entity in the system, the data

7:51

Specific type is “ELINT SIGNAL” (possibly just the display name)

-children and parent both have specific type, that is how we map them

8:18

-going to get everything from the model service expect the children (data)

9:36

-

-model gets everything

10:55

-Edit service knows about a system

13:50

-get the entityInstanceId

14:00

-framework comes from model, data comes from data

15:20

-not many differences in our use case, but there are a lot

16:38

-create an endpoint in model service to get framework (getPalette)

17:00

-Edge case (rootPalette, getSinglePaletteNode)

18:00

-might just be modelID for endpoints

19:36

-modelID/domain might be useful because we are getting information from the model

20:00

-code should be in legacy

20:56

-does toolkit have methods to build palette off a model or do they need K system

-we are building off k system?

-use that logic and cut it off

21:30

-K system are the ones with the 3 field

-MongoKsystem we implement it?

-read/write so we are extending MKsystem, mutable

-MKsystem is not an interface

-so we are extending a class vs implementing a class, forces a multi workaround (22:40)

23:15

-default mutable TreeNode, it’s a java swing class

-APACHE commons?

-not thread safe so love to get rid of it

26:00

Association

Second IF

-looks like its getting the palette

29:40

-Code fails in Sonar

-cyclic complexlity

30:55

-recursive call on the model side

32:00

-leave the code be, that is okay

32:50

-in theory you can get data and framework at the same time

38:31

-Doesn’t help me because I want the you want to give the folder sequence and get all the children off that but you need to know the numbers ahead of time

39:21

-Uses advanced Java techniques

-can be simplify to 100 lines

40:52

-why would it a problem

-because if legacy gets the K system, our model doesn’t have it

-TOOLKIT API is so much

42:--

-download it on D drive?

Sapphire

Parent Pom

-own project

-only pom.xml important

-strictly for versioning

-any of the dependencies for libraries/services

3 Environment

-FTC, SRC, NASIC, should be maven flags

ELA  
-library into toolkit

-how we change our Mongo paradigm into Toolkit Surf XML

Services

-Spring, multi modal maven projects

Sapphire

-Angular

-npm modules, its own thing

-no depending on parent pom, libraries, services

FF  
-software that analyst can open and use for different tools like Characterize, NotePad+, Keystone

-we care about deploying into FF environment, it manages it own Kubernetes pod

-Sapphire is dependent on catalog and DPS, we utilize their own Mongo DB instance, Ambassador service (going away in newer spins but acts as a traffic router)

-Possibly Sapphire calls Ambassador then goes to the service, so the containers are to the Ambassador (might change to stand alone)

EIM and RTM Compare

-going to be a whole new container service