IMPORT – JSON STRUCTURES

# Json 1 returned when zip is uploaded :

Once the file is uploaded, dicom data is extracted under *patients,* and if the generated subject identifier is found (in Shanoir db) a list of subjects is returned.

{

"subjects": [{

"id": 1,

"name": "Doe"

},

{

"id": 2,

"name": "0010002"

}

],

"patients": [{

"patientID": "10.03.04-19:02:35-STD-1.3.12.2.1107.5.2.36.40296",

"patientName": "DIR OL",

"patientBirthDate": "19870401",

"patientSex": "M",

"studies": [{

"studyInstanceUID": "1.3.12.2.1107.5.2.36.40296.30000010030206191446800000091",

"studyDate": "20100304",

"studyDescription": "RECHERCHE^WIP NEURO",

"series": [{

"selected": false,

"seriesInstanceUID": "1.3.12.2.1107.5.2.36.40296.2010030419031359358071443.0.0.0",

"modality": "MR",

"protocolName": null,

"seriesDescription": "localizer",

"seriesDate": "20100304",

"seriesNumber": "1",

"numberOfSeriesRelatedInstances": null,

"sopClassUID": "1.2.840.10008.5.1.4.1.1.4",

"isMultiFrame": "false",

"equipment": {

"manufacturer": "SIEMENS",

"manufacturerModelName": "Verio",

"deviceSerialNumber": "40296"

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"isCompressed": false,

"acquisitionNumber": "1",

"echoNumbers": {

"echoNumber": "1"

},

"imageOrientationPatient": {

"imageOrientationPatient": "-1"

},

"nonImages": [],

"nonImagesNumber": "0",

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],

"imagesNumber": "5"

},

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"selected": false,

"seriesInstanceUID": "1.3.12.2.1107.5.2.36.40296.201003041909249627171814.0.0.0",

"modality": "MR",

"protocolName": null,

"seriesDescription": "tse\_vfl\_WIP607",

"seriesDate": "20100304",

"seriesNumber": "2",

"numberOfSeriesRelatedInstances": null,

"sopClassUID": "1.2.840.10008.5.1.4.1.1.4",

"isMultiFrame": "false",

"equipment": {

"manufacturer": "SIEMENS",

"manufacturerModelName": "Verio",

"deviceSerialNumber": "40296"

},

"isCompressed": false,

"acquisitionNumber": "1",

"echoNumbers": {

"echoNumber": "1"

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"imageOrientationPatient": {

"imageOrientationPatient": "-0.9998157117037"

},

"nonImages": [],

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"imagesNumber": "96"

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"seriesInstanceUID": "1.3.12.2.1107.5.2.36.40296.2010030419163671863372210.0.0.0",

"modality": "MR",

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"seriesDescription": "tse\_vfl\_WIP607",

"seriesDate": "20100304",

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"numberOfSeriesRelatedInstances": null,

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"equipment": {

"manufacturer": "SIEMENS",

"manufacturerModelName": "Verio",

"deviceSerialNumber": "40296"

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"isCompressed": false,

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"echoNumbers": {

"echoNumber": "1"

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"imageOrientationPatient": {

"imageOrientationPatient": "-0.9998157117037"

},

"nonImages": [],

"nonImagesNumber": "0",

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"imagesNumber": "96"

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"seriesInstanceUID": "1.3.12.2.1107.5.2.36.40296.2010030419222067738572598.0.0.0",

"modality": "MR",

"protocolName": null,

"seriesDescription": "tse\_vfl\_WIP607",

"seriesDate": "20100304",

"seriesNumber": "4",

"numberOfSeriesRelatedInstances": null,

"sopClassUID": "1.2.840.10008.5.1.4.1.1.4",

"isMultiFrame": "false",

"equipment": {

"manufacturer": "SIEMENS",

"manufacturerModelName": "Verio",

"deviceSerialNumber": "40296"

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"isCompressed": false,

"acquisitionNumber": "1",

"echoNumbers": {

"echoNumber": "1"

},

"imageOrientationPatient": {

"imageOrientationPatient": "-0.9998157117037"

},

"nonImages": [],

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"imagesNumber": "96"

},

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"seriesInstanceUID": "1.3.12.2.1107.5.2.36.40296.2010030419272152457372996.0.0.0",

"modality": "MR",

"protocolName": null,

"seriesDescription": "tse\_vfl\_WIP607",

"seriesDate": "20100304",

"seriesNumber": "5",

"numberOfSeriesRelatedInstances": null,

"sopClassUID": "1.2.840.10008.5.1.4.1.1.4",

"isMultiFrame": "false",

"equipment": {

"manufacturer": "SIEMENS",

"manufacturerModelName": "Verio",

"deviceSerialNumber": "40296"

},

"isCompressed": false,

"acquisitionNumber": "1",

"echoNumbers": {

"echoNumber": "1"

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"imageOrientationPatient": {

"imageOrientationPatient": "-0.9998157117037"

},

"nonImages": [],

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],

"imagesNumber": "96"

},

{

"selected": false,

"seriesInstanceUID": "1.3.12.2.1107.5.2.36.40296.2010030419392596271473402.0.0.0",

"modality": "MR",

"protocolName": null,

"seriesDescription": "tse\_vfl\_WIP607",

"seriesDate": "20100304",

"seriesNumber": "6",

"numberOfSeriesRelatedInstances": null,

"sopClassUID": "1.2.840.10008.5.1.4.1.1.4",

"isMultiFrame": "false",

"equipment": {

"manufacturer": "SIEMENS",

"manufacturerModelName": "Verio",

"deviceSerialNumber": "40296"

},

"isCompressed": false,

"acquisitionNumber": "1",

"echoNumbers": {

"echoNumber": "1"

},

"imageOrientationPatient": {

"imageOrientationPatient": "-0.9998157117037"

},

"nonImages": [],

"nonImagesNumber": "0",

"images": [

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"/811576738365140463/IMAGES/IM000020"

],

"imagesNumber": "160"

}

]

}]

}]

}

# Json 2 for study/sc/centers/investigator :

Query rest service with Equipment info as parameter in order to set compatible flag for each study / study cards.

(the query result is also based on the user permissions in order to limit study list)

[{

"id": 1,

"name": "Study1",

"compatible": true,

"centers": [{

"id": 1,

"name": "Center 1",

"investigatorList": [{

"id": 1,

"name": "Investigator 1"

},

{

"id": 1,

"name": "Investigator 2"

}

]

},

{

"id": 2,

"name": "Center 2",

"investigatorList": [{

"id": 3,

"name": "Investigator 3"

},

{

"id": 4,

"name": "Investigator 4"

}

]

}

],

"studycards": [{

"id": 1,

"name": "StudyCard1",

"compatible": true,

"center": {

"id": 1,

"name": "Center 1",

"investigatorList": [{

"id": 1,

"name": "Investigator 1"

},

{

"id": 1,

"name": "Investigator 2"

}

]

}

},

{

"id": 2,

"name": "StudyCard2",

"compatible": false,

"center": {

"id": 2,

"name": "Center 2",

"investigatorList": [{

"id": 3,

"name": "Investigator 3"

},

{

"id": 4,

"name": "Investigator 4"

}

]

}

}

]

},

{

"id": 2,

"name": "Study2",

"compatible": false,

"centers": [{

"id": 1,

"name": "Center 1",

"investigatorList": [{

"id": 1,

"name": "Investigator 1"

},

{

"id": 1,

"name": "Investigator 2"

}

]

}]

}

]

## Comportement IHM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Json 2 | Find y as compatible study card (in study A) | Find y,z as compatible study card (in study A) | Find y as compatible study card in study A  Find x as compatible study card in study B | Find ∅ |
| IHM | select A as study  select y as study card  + add other study which have at least 1 study card | TO DE DECIDED | TO DE DECIDED | Should not happen since the import button should be disabled  Note : same happen if user not allowed to import data |

# Json 3 for subject + rel subject study

Query Shanoir for all subject + rel subject study (if any).

[{

"id": 1,

"identifier": "FFAADE12354355",

"name": "common name 1",

"relsubjectstudy": {

"id": 1,

"studyId": 1,

"physicallyInvolved": true,

"subjectType": 1,

"subjectStudyIdentifier": "toto"

}

}, {

"id": 2,

"identifier": "FFAADE1235435",

"name": "common name 2",

"relsubjectstudy": {

"id": 2,

"studyId": 1,

"physicallyInvolved": true,

"subjectType": 1,

"subjectStudyIdentifier": "titi"

}

}]

## Comportement IHM

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Json 1  *subject* | Find y | Find y | Find y,z | Find y,z | Find y,z | Find ∅ |
| Json 3 | Find [X]  y ∉ [X] | Find [X]  y ∈ [X] | Find [X]  y ∈ [X]  z ∉ [X] | Find [X]  y,z ∈ [X] | Find [X]  y,z ∉ [X] | Find [X] |
| IHM | select y  Add warning : y ∉ [X]  + add [X] to list | select y  + add [X] - y to list | select y  Put z as second choice in list with warning z ∉ [X]  + add [X] - y to list | select y  Put z as second choice in list  add [X] - y - z to list | select y  Add warning : y ∉ [X]  Put z as second choice in list with warning z ∉ [X]  + add [X] to list | select none  + add [X] to list |

# Json 4 for examinations

Select examination based on selected study and subject

[{

"id": 1,

"comment": "exam 1",

"date": 145645721 (TBD)

},

{

"id": 2,

"comment": "exam 2",

"date": 145645723 (TBD)

}

]

# Json for dataset type selection

# Json for dataset processing

# Json for spectroscopy dataset selection

# Json sent to import MS once user has filled all mandatory fields and clicked on process import button.