Test Server

Firely Vonk (<https://fire.ly/>) trial:

1. Obtain trial licence from <https://simplifier.net/vonk>
2. Run container:

<http://docs.simplifier.net/vonk/deployment/docker.html>

docker run -d -p 8888:4080 --name vonk.server -v /path/to/licence:/app/license -e "VONK\_LicenseFile=./license/vonk-trial-license.json" simplifier/vonk

<http://hapifhir.io/> :

1. Clone version allowing external references:

git clone https://github.com/banatm/hapi-fhir-docker.git

Build in docker:

cd hapi-fhir-1/

docker build . -t gitlab.synevo.intranet:9999/tools/fhir-hapi-server

Run container:

docker run -d --name fhir-hapi-server -p 8889:8080 gitlab.synevo.intranet:9999/tools/fhir-hapi-server

Client example:

https://github.com/banatm/fhir-client-example/

Think about securing it!!!!

<http://docs.smarthealthit.org/>

Use

<http://wiki.hl7.org/index.php?title=Open_Source_FHIR_implementations>

Patient:

{

"fullUrl": "http://192.168.9.109:8888/Patient/5dbf7215-1ef6-4656-a3d9-f228128a7776",

"resource": {

"resourceType": "Patient",

"id": "5dbf7215-1ef6-4656-a3d9-f228128a7776",

"meta": {

"versionId": "8086e5b8-0b01-4cbe-a12d-005bf357d2bc",

"lastUpdated": "2018-10-04T14:37:34.311+00:00"

},

"identifier": [

{

"system": "https://www.gov.pl/cyfryzacja/rejestr-pesel",

"value": "12312312311"

}

],

"name": [

{

"family": "Aaaacki",

"given": [

"Kazimierz"

]

}

],

"gender": "male",

"birthDate": "1980-01-11",

"address": [

{

"line": [

"street 5"

],

"city": "city",

"postalCode": "95-0000",

"country": "PL"

}

]

}

}

Doctor:

{

"fullUrl": "http://192.168.9.109:8888/Practitioner/86e2ca51-c296-41f3-841a-d932c1af43ad",

"resource": {

"resourceType": "Practitioner",

"id": "86e2ca51-c296-41f3-841a-d932c1af43ad",

"meta": {

"versionId": "9f5ad9d6-1289-4282-97fa-5816652d36c2",

"lastUpdated": "2018-10-04T14:37:35.203+00:00"

},

"identifier": [

{

"system": "http://rejestr.nil.org.pl",

"value": "1111"

}

],

"name": [

{

"family": "Abacki",

"given": [

"Henryk"

]

}

],

"address": [

{

"line": [

"Cacackiego 5"

],

"city": "Łódź",

"postalCode": "90-001",

"country": "PL"

}

],

"gender": "male"

}

}

Patient Questions

[

{

"fullUrl": "http://192.168.9.109:8888/Observation/46a84c74-1c30-490b-abd1-c8af4c685ae1",

"resource": {

"resourceType": "Observation",

"id": "46a84c74-1c30-490b-abd1-c8af4c685ae1",

"meta": {

"versionId": "8d763bc0-98ab-4ca4-9206-99a2b9599ad9",

"lastUpdated": "2018-10-04T14:37:35.363+00:00"

},

"status": "registered",

"category": [

{

"coding": [

{

"system": "http://hl7.org/fhir/ValueSet/observation-category",

"code": "social-history"

}

]

}

],

"code": {

"coding": [

{

"system": "https://dia.medicover.com/serviceknowledgebase/question",

"code": "LastMeal"

}

],

"text": "Time from last meal"

},

"subject": {

"reference": "http://192.168.9.109:8888/Patient/5dbf7215-1ef6-4656-a3d9-f228128a7776"

},

"effectiveDateTime": "2018-10-04T16:37:03.263+02:00",

"valueQuantity": {

"value": 2,

"unit": "h",

"system": "http://unitsofmeasure.org",

"code": "h"

}

}

},

{

"fullUrl": "http://192.168.9.109:8888/Observation/d18417fa-6518-4506-b35b-8926974cdeff",

"resource": {

"resourceType": "Observation",

"id": "d18417fa-6518-4506-b35b-8926974cdeff",

"meta": {

"versionId": "561b3a2c-b5f5-4553-a576-a2b3742b19b3",

"lastUpdated": "2018-10-04T14:37:35.479+00:00"

},

"status": "registered",

"category": [

{

"coding": [

{

"system": "http://hl7.org/fhir/ValueSet/observation-category",

"code": "social-history"

}

]

}

],

"code": {

"coding": [

{

"system": "https://dia.medicover.com/serviceknowledgebase/question",

"code": "Was nice?"

}

],

"text": "bla bla bla"

},

"subject": {

"reference": "http://192.168.9.109:8888/Patient/5dbf7215-1ef6-4656-a3d9-f228128a7776"

},

"effectiveDateTime": "2018-10-04T16:37:03.263+02:00",

"valueBoolean": true }]

Order:

{

"fullUrl": "http://192.168.9.109:8888/ProcedureRequest/ec8fe137-3fc1-4998-9a2b-c1d64397bbfc",

"resource": {

"resourceType": "ProcedureRequest",

"id": "ec8fe137-3fc1-4998-9a2b-c1d64397bbfc",

"meta": {

"versionId": "9fe30a15-a436-47d3-8d81-6a79058c457a",

"lastUpdated": "2018-10-04T14:37:35.59+00:00"

},

"identifier": [

{

"system": "https://dia.medicover.com/sampleID",

"value": "999999999900"

}

],

"status": "active",

"intent": "order",

"code": {

"coding": [

{

"system": "http://snomed.info/sct",

"code": "108252007"

}

],

"text": "Laboratory procedure"

},

"subject": {

"reference": "http://192.168.9.109:8888/Patient/5dbf7215-1ef6-4656-a3d9-f228128a7776"

},

"authoredOn": "2018-10-04T16:37:03.263+02:00",

"requester": {

"agent": {

"reference": "http://192.168.9.109:8888/Practitioner/86e2ca51-c296-41f3-841a-d932c1af43ad"

},

"onBehalfOf": {

"reference": "https://dia.medicover.com/retail/Location/PL/GPP1"

}

},

"performer": {

"reference": "https://dia.medicover.com/logistics/PL/GDANSK"

},

"supportingInfo": [

{

"reference": "http://192.168.9.109:8888/Observation/46a84c74-1c30-490b-abd1-c8af4c685ae1"

},

{

"reference": "http://192.168.9.109:8888/Observation/d18417fa-6518-4506-b35b-8926974cdeff"

}

],

"note": [

{

"text": "Very important comment 1"

},

{

"text": "Very important comment 2"

}

]

}

}

OrderServices:

[

{

"fullUrl": "http://192.168.9.109:8888/ProcedureRequest/8838d8e2-a32d-4a4d-ac7b-1c966bde4800",

"resource": {

"resourceType": "ProcedureRequest",

"id": "8838d8e2-a32d-4a4d-ac7b-1c966bde4800",

"meta": {

"versionId": "f391b48c-a014-479c-9682-05a95efe23a0",

"lastUpdated": "2018-10-04T14:37:35.677+00:00"

},

"requisition": {

"system": "http://192.168.9.109:8888/ProcedureRequest" value=”ec8fe137-3fc1-4998-9a2b-c1d64397bbfc” },

"status": "active",

"intent": "instance-order",

"code": {

"coding": [

{

"system": "https://dia.medicover.com/serviceknowledgebase/service",

"code": "AST"

}

]

},

"subject": {

"reference": "http://192.168.9.109:8888/Patient/5dbf7215-1ef6-4656-a3d9-f228128a7776"

},

"authoredOn": "2018-10-04T16:37:03.263+02:00"

}

},

{

"fullUrl": "http://192.168.9.109:8888/ProcedureRequest/9183c73e-d314-4bf9-aeb6-874afc2e5a32",

"resource": {

"resourceType": "ProcedureRequest",

"id": "9183c73e-d314-4bf9-aeb6-874afc2e5a32",

"meta": {

"versionId": "2fa09b6d-5cb9-4cde-a1c2-4573d62d9167",

"lastUpdated": "2018-10-04T14:37:35.826+00:00"

},

"requisition": {

"system": "http://192.168.9.109:8888/ProcedureRequest" value=”ec8fe137-3fc1-4998-9a2b-c1d64397bbfc”

},

"status": "active",

"intent": "instance-order",

"code": {

"coding": [

{

"system": "https://dia.medicover.com/serviceknowledgebase/service",

"code": "Super profile"

}

]

},

"subject": {

"reference": "http://192.168.9.109:8888/Patient/5dbf7215-1ef6-4656-a3d9-f228128a7776"

},

"authoredOn": "2018-10-04T16:37:03.263+02:00"

},

"search": {

"mode": "match"

}

},

{

"fullUrl": "http://192.168.9.109:8888/ProcedureRequest/940444cf-c15f-4e3e-91b9-809c2a350b95",

"resource": {

"resourceType": "ProcedureRequest",

"id": "940444cf-c15f-4e3e-91b9-809c2a350b95",

"meta": {

"versionId": "8e605788-409f-4255-a786-b37dfb73f53d",

"lastUpdated": "2018-10-04T14:37:35.757+00:00"

},

"requisition": {

"system": "http://192.168.9.109:8888/ProcedureRequest" value=”ec8fe137-3fc1-4998-9a2b-c1d64397bbfc”

},

"status": "active",

"intent": "instance-order",

"code": {

"coding": [

{

"system": "https://dia.medicover.com/serviceknowledgebase/service",

"code": "ALT"

}

]

},

"subject": {

"reference": "http://192.168.9.109:8888/Patient/5dbf7215-1ef6-4656-a3d9-f228128a7776"

},

"authoredOn": "2018-10-04T16:37:03.263+02:00"

}

]

Specimen & tubes:

[

{

"fullUrl": "http://192.168.9.109:8888/Specimen/32264982-f99a-44dd-9ae8-d63302c465a0",

"resource": {

"resourceType": "Specimen",

"id": "32264982-f99a-44dd-9ae8-d63302c465a0",

"meta": {

"versionId": "3e83fb09-c19a-4363-ad93-116b70572fc4",

"lastUpdated": "2018-10-04T14:37:36.302+00:00"

},

"status": "available",

"type": {

"coding": [

{

"system": "https://dia.medicover.com/serviceknowledgebase/specimen",

"code": "SER"

}

],

"text": "Serum"

},

"subject": {

"reference": "http://192.168.9.109:8888/Patient/5dbf7215-1ef6-4656-a3d9-f228128a7776"

},

"request": [

{

"reference": "http://192.168.9.109:8888/ProcedureRequest/ec8fe137-3fc1-4998-9a2b-c1d64397bbfc"

}

],

"collection": {

"collectedDateTime": "2018-10-04T16:37:03.263+02:00",

"quantity": {

"value": 3

}

},

"container": [

{

"identifier": [

{

"system": "https://dia.medicover.com/sampleID",

"value": "999999999902"

}

],

"type": {

"coding": [

{

"system": "https://dia.medicover.com/serviceknowledgebase/tube",

"code": "SER-B"

}

],

"text": "Serum Bio"

}

},

{

"identifier": [

{

"system": "https://dia.medicover.com/sampleID",

"value": "999999999903"

}

],

"type": {

"coding": [

{

"system": "https://dia.medicover.com/serviceknowledgebase/tube",

"code": "SER-I"

}

],

"text": "Serum IM"

}

},

{

"identifier": [

{

"system": "https://dia.medicover.com/sampleID",

"value": "999999999904"

}

],

"type": {

"coding": [

{

"system": "https://dia.medicover.com/serviceknowledgebase/tube",

"code": "SER-D"

}

],

"text": "Serum DE"

}

}

]

},

"search": {

"mode": "match"

}

},

{

"fullUrl": "http://192.168.9.109:8888/Specimen/75d7457c-aa02-470c-bb85-ba31de9bee22",

"resource": {

"resourceType": "Specimen",

"id": "75d7457c-aa02-470c-bb85-ba31de9bee22",

"meta": {

"versionId": "33990175-1bf8-4915-9684-195e90d9c655",

"lastUpdated": "2018-10-04T14:37:36.217+00:00"

},

"status": "available",

"type": {

"coding": [

{

"system": "https://dia.medicover.com/serviceknowledgebase/specimen",

"code": "EDTA"

}

],

"text": "EDTA blood"

},

"subject": {

"reference": "http://192.168.9.109:8888/Patient/5dbf7215-1ef6-4656-a3d9-f228128a7776"

},

"request": [

{

"reference": "http://192.168.9.109:8888/ProcedureRequest/ec8fe137-3fc1-4998-9a2b-c1d64397bbfc"

}

],

"collection": {

"collectedDateTime": "2018-10-04T16:37:03.263+02:00",

"quantity": {

"value": 1

}

},

"container": [

{

"identifier": [

{

"system": "https://dia.medicover.com/sampleID",

"value": "999999999901"

}

],

"type": {

"coding": [

{

"system": "https://dia.medicover.com/serviceknowledgebase/tube",

"code": "EDTA"

}

],

"text": "EDTA tube"

}

}

]

}

}

]