



1. Report summary

1.1. Test Laboratory

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1.2. Tested Organization

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1.3. Tested System(s)

European Connectathon 2020 - Brussels		
Product Name	Version	Owner
health-engine_COPY_0	20.3	Cyrill Zadra
This testing session was held from 11/2/20 to 11/6/20		

1.4. Report identification

This report has been generated on 11/9/20 with identifier 2020.Europe.Connectathon.TIE.20201109082227

1.5. Disclaimer

This report summarizes the outcome of the testing performed by the i-engineers AG during the event : European Connectathon 2020 - Brussels. It includes information about success and failure and should only be used internally. This report does not certify the capabilities of any commercial product offered by the i-engineers AG. Potential purchasers of the organization's products should consult any IHE Integration Statements [<http://product-registry.ihe.net>] published by the organization to confirm the IHE profiles and actors supported by its products.

2. System : health-engine_COPY_0 (20.3)

2.1. Results per Integration Profile/Actor/Option

Results per Integration Profile/Actor/Option				
Integration Profile	Actor	Option	Type	Result
Cross-Enterprise Document Sharing	Document Repository	None	T	Pass
Cross-Enterprise Document Sharing	Document Consumer	None	T	Pass
Patient Identifier Cross-referencing for MPI	Patient Identifier Cross-reference Consumer	None	T	Pass
Consistent Time	Time Client	None	T	Pass
Cross-Enterprise Document Sharing	Integrated Document Source/Repository	None	T	Withdrawn
Audit Trail and Node Authentication	Secure Application	None	T	Pass
Cross-Enterprise Document Sharing	Document Source	None	T	Pass
Cross-Enterprise Document Sharing	Document Source	Document Replacement	T	Pass
Patient Demographic Query HL7 V3	Patient Demographics Consumer	None	T	Pass
Patient Identifier Cross-Reference HL7 V3	Patient Identifier Cross-reference Consumer	None	T	Pass
Patient Identifier Cross-Reference HL7 V3	Patient Identity Source	None	T	Pass
Patient Identifier Cross-Reference HL7 V3	Patient Identifier Cross-reference Manager	None	T	Pass
Patient Identifier Cross-reference for Mobile	Patient Identifier Cross-reference Consumer	None	T	Pass
Audit Trail and Node Authentication	Secure Application	STX:TLS 1.2 Floor using BCP195	T	Pass
Audit Trail and Node Authentication	Secure Application	ATX: TLS Syslog	T	Pass

T: thorough / S: supportive

2.2. Test instances summary

Test instances summary				
Tests	Performed	Passed	Failed	Partially verified
26	64	63	0	1

Tests: the number of individual test cases run during the session

Performed: the total number of test instances performed (This count does not take into account the aborted, still running and not verified test instances)

Passed/Failed: the number of test instances verified and set to passed/failed by a monitor

Partially verified: the number of different test instances that was reviewed but on which some work still need to be done

2.3. Test instance details (per Integration profile/Actor/Option)

In the next sub-sections, performed test instances are gathered by Integration profile / Actor / Option. For each of the test instances, the detailed informations are available by following the link.

2.3.1. Cross-Enterprise Document Sharing / Document Repository / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
Meta test: Meta_Repository_Retrieve_Doc (All tests)	3	R	69088 (ycadoret) 69155 (ikopylova) 69354 (ycadoret) 69528 (ikopylova) 69821 (rveverdingen)		
XDS.b_Consumer_Query_Retrieve (Meta_Repository_Retrieve_Doc)			69088 (ycadoret) 69155 (ikopylova) 69354 (ycadoret) 69528 (ikopylova) 69821 (rveverdingen)		
XDS-I.b_Retrieve_CDA_Img_Report (Meta_Repository_Retrieve_Doc)					
XDS-I.b_Retrieve_DICOM_C-MOVE (Meta_Repository_Retrieve_Doc)					
XDS-I.b_Retrieve_DICOM_WADO (Meta_Repository_Retrieve_Doc)					
XDS-I.b_Retrieve_Img_Doc_Set (Meta_Repository_Retrieve_Doc)					
XDS-I.b_Retrieve_PDF_Report (Meta_Repository_Retrieve_Doc)					
XDS-I.b_Retrieve_Text_Report (Meta_Repository_Retrieve_Doc)					
Meta test: Meta_Repository_Store_Doc (All tests)	3	R	69023 (ikopylova) 69046 (tschalle) 69298 (rveverdingen) 69330 (crs4) 69408 (rveverdingen) 69487 (ikopylova) 69704 (rveverdingen)		
XDS.b_Doc_Source_Stores_Document (Meta_Repository_Store_Doc)			69023 (ikopylova) 69046 (tschalle) 69298 (rveverdingen) 69330 (crs4) 69408 (rveverdingen) 69487 (ikopylova) 69704 (rveverdingen)		
XDS-I.b_Store_CDA_Imaging_Report (Meta_Repository_Store_Doc)					
XDS-I.b_Store_DICOM_Manifest (Meta_Repository_Store_Doc)					
XDS-I.b_Store_PDF_Report (Meta_Repository_Store_Doc)					
XDS-I.b_Store_Text_Report (Meta_Repository_Store_Doc)					
MHD_71_XDSonFHIR_Replace	1	O			
MHD_72_XDSonFHIR_Append	1	O			

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
MHD_73_XDSonFHIR_Transform	1	O			
MHD_75_QryRetr_XDSonFHIR	1	O			
XDS.b_Document_Addendum	1	O			
XDS.b_Document_Replace	1	O	69529 (rveverdingen)		
XDS.b_Document_Transformation	1	O			
XDS.b_Error_Reporting	1	O	69746 (sryan)		
XDS.b_Folder_Mgmt_with_Real_Peer	1	O			
XDS.b_Repository_Do_This_First	1	R	68594 (tschalle)		

2.3.2. Cross-Enterprise Document Sharing / Document Consumer / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
Meta test: Meta_Consumer_Query_Retrieve_Doc (All tests)	3	R	69434 (ycadoret) 69462 (jmuilenburg) 69615 (ikopylova) 69753 (crs4) 69803 (rveverdingen)		69661 (ikopylova)
XDS.b_Consumer_Query_Retrieve (Meta_Consumer_Query_Retrieve_Doc)			69434 (ycadoret) 69462 (jmuilenburg) 69615 (ikopylova) 69753 (crs4) 69803 (rveverdingen)		69661 (ikopylova)
XDS.b_Integrated_Repository_Retrieve (Meta_Consumer_Query_Retrieve_Doc)					
XDS_Query_Buffet	3	O			

2.3.3. Patient Identifier Cross-referencing for MPI / Patient Identifier Cross-reference Consumer / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
PIX_CLIENT	3	R	69826 (vmeloni) 69856 (sryan) 69857 (crs4)		
PIX_PDO_Query	1	O			

2.3.4. Consistent Time / Time Client / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
CT_Client_Synch	1	R	68785 (crs4)		

2.3.5. Cross-Enterprise Document Sharing / Integrated Document Source/Repository / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
Meta test: Meta_Repository_Retrieve_Doc (All tests)	3	R	69380 (ikopylova)		
XDS.b_Integrated_Repository_Retrieve (Meta_Repository_Retrieve_Doc)			69380 (ikopylova)		
XDS.b_Integrated_Source_Registers_Document	3	R			

2.3.6. Audit Trail and Node Authentication / Secure Application / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
ATNA_Questionnaire	1	R	68617 (tschalle)		

2.3.7. Cross-Enterprise Document Sharing / Document Source / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
Meta test: Meta_Source_Submit_Doc (All tests)	3	R	69127 (oliver.egger) 69210 (ikopylova) 69362 (quentin.ligier)		
XDS.b_Doc_Source_Stores_Document (Meta_Source_Submit_Doc)			69127 (oliver.egger) 69210 (ikopylova) 69362 (quentin.ligier)		
XDS.b_Error_Reporting	1	O			
XDS.b_Source_Do_This_First	1	R	69040 (oliver.egger)		

2.3.8. Cross-Enterprise Document Sharing / Document Source / DOC_REPLACE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
XDS.b_Document_Replace	1	R	69517 (quentin.ligier) 69781 (rveverdingen) 69807 (ikopylova)		

2.3.9. Patient Demographic Query HL7 V3 / Patient Demographics Consumer / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
PDQv3_Multiple_Query	3	R	68813 (oliver.egger) 68952 (oliver.egger) 68966 (oliver.egger)		

2.3.10. Patient Identifier Cross-Reference HL7 V3 / Patient Identifier Cross-reference Consumer / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
PIXv3_CLIENT	3	R	69280 (ddavis) 69303 (raji) 69317 (oliver.egger)		
PIXv3_PDO_Query	1	O			

2.3.11. Patient Identifier Cross-Reference HL7 V3 / Patient Identity Source / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
PIXv3_CLIENT_Upd_Notification	1	O			
PIXv3_FEED	3	R	68806 (tschalle) 68855 (csengupta) 68916 (msabri)		

2.3.12. Patient Identifier Cross-Reference HL7 V3 / Patient Identifier Cross-reference Manager / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
PDQ/PIX_Do_This_First	1	R	68783 (mziegler)		
PIX_Mgr_Configuration	1	R	68723 (sryan)		
PIXv3_CLIENT	3	R	69387 (oliver.egger) 69493 (mziegler) 69495 (mziegler) 69509 (sryan) 69778 (csengupta)		
PIXv3_CLIENT_Upd_Notification	1	R	69609 (raji)		
PIXv3_FEED	3	R	69348 (sryan) 69357 (ddavis) 69457 (raji) 69705 (sryan)		

2.3.13. Patient Identifier Cross-reference for Mobile / Patient Identifier Cross-reference Consumer / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
00_FHIR_R4_Testing_Overview	1	R	69696 (quentin.ligier)		
01_DoThis1st_CapabilityStatement	1	R	69698 (vmeloni)		
ITI-83_(PIXm)_Search_Read	2	R	69701 (quentin.ligier) 69720 (mziegler)		

2.3.14. Audit Trail and Node Authentication / Secure Application / STX_TLS1.2_FLOOR_BCP195

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
ATNA_STX_TLS1.2_Floor_BCP195-C	1	R	68652 (lynn)		
ATNA_STX_TLS1.2_Floor_BCP195-S	1	R	68707 (lynn)		

2.3.15. Audit Trail and Node Authentication / Secure Application / ATX_TLS_SYSLOG

See below the details of the test instances performed for this Integration Profile/Actor/Option

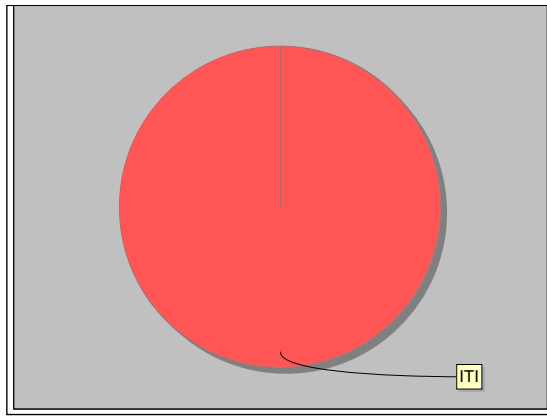
Test (Meta Test)	#	Opt	Verified	Failed	Partially V
ATNA_Audit_Msg_Check_Syslog	1	R	68649 (martin_smock)		
ATNA_Logging_TLS-Syslog	2	R	68805 (martin_smock) 68910 (rveverdingen)		

2.4. Statistics

This section gathers some statistics on test instances. Only passed, failed and partially verified test instances are represented there.

2.4.1. Test instances per domain

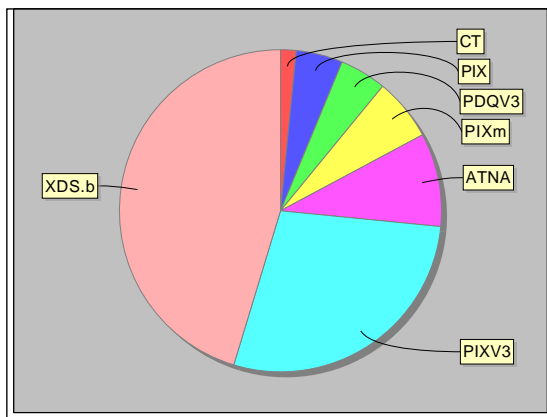
Below is the distribution of test instances performed according to the various IHE domains your system was registered for.



Domain	nb of TI
ITI	64

2.4.2. Test instances per integration profile

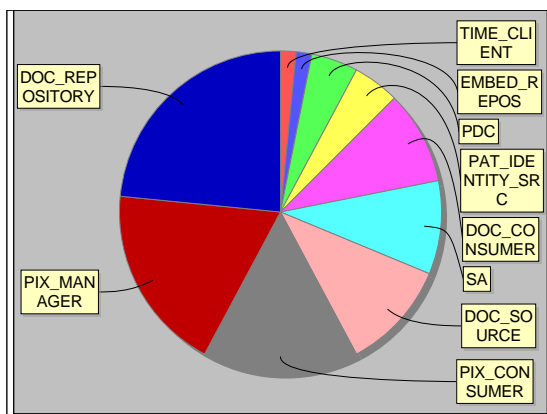
Below is the distribution of test instances performed according to the various IHE integration profiles your system was registered for.



Integration profile	nb of TI
XDS.b	29
PIX	3
PIXV3	18
PDQV3	3
CT	1
ATNA	6
PIXm	4

2.4.3. Test instances per actor

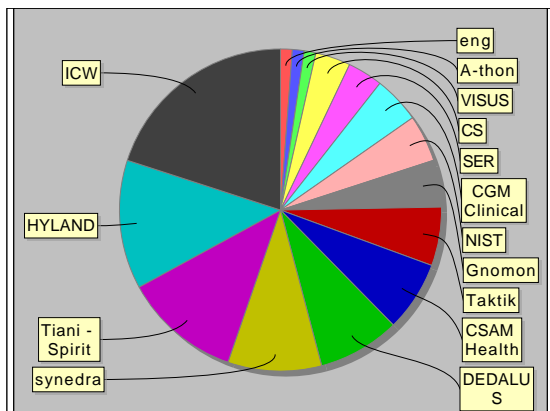
Below is the distribution of test instances performed according to the various IHE actors your system was registered for.



Actor	nb of TI
PIX_MANAGER	12
TIME_CLIENT	1
PDC	3
DOC_SOURCE	7
DOC_CONSUMER	6
DOC_REPOSITORY	15
PAT_IDENTITY_SRC	3
EMBED_REPOS	1
PIX_CONSUMER	10
SA	6

2.4.4. Test instances per partner (organization level)

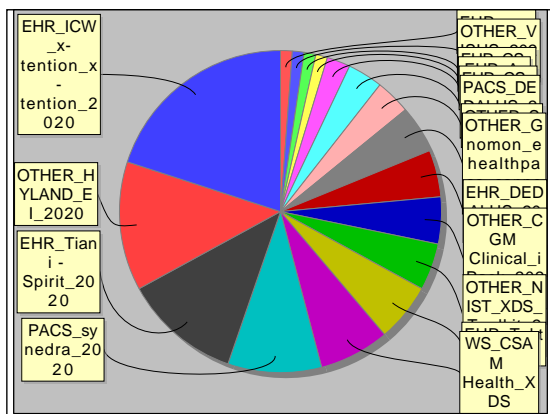
Below is the distribution of test instances performed per peer organization



Organization	nb of TI
eng	1
A-thon	1
synedra	8
Tiani - Spirit	10
VISUS	1
CS	3
SER	3
CGM Clinical	4
DEDALUS	7
CGM Clinical	4
NIST	4
Gnomon	4
Taktik	5
CSAM Health	6
DEDALUS	7
ICW	17
Gnomon	4
HYLAND	11
CS	3
SER	3
Taktik	5

2.4.5. Test instances per partner (system level)

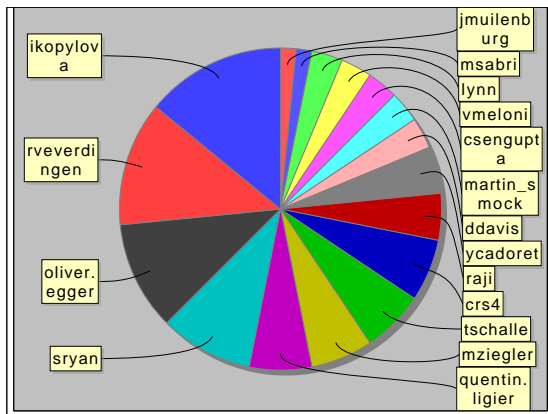
Below is the distribution of test instances performed per peer system



System	nb of TI
OTHER_Gnomon_ehealthpass_connect	4
OTHER_HYLAND_EI_2020	11
PACS_synedra_2020	8
EHR_eng_2020	1
OTHER_VISUS_2020	1
EHR_CS_VIDA_V3	1
EHR_DEDALUS_2020	4
PACS_DEDALUS_2020	3
OTHER_CGM Clinical_iPack_2020	4
EHR_A-thon_13	1
EHR_Tiani - Spirit_2020	10
EHR_CS_VIDA_V4	2
WS_CSAM Health_XDS	6
EHR_ICW_x-tention_x-tention_2020	17
OTHER_SER	3
EHR_Taktik	5
OTHER_NIST_XDS_Toolkit_2020	4

2.4.6. Test instances per monitor

Below is the distribution of test instances verified per monitor



Monitor	nb of TI
crs4	4
jmulenburg	1
lynn	2
msabri	1
vmeloni	2
oliver.egger	7
tschalle	4
ycadoret	3
csengupta	2
ikopylova	9
martin_smock	2
mziegler	4
quentin.ligier	4
raji	3
sryan	6
ddavis	2
rreverdingen	8

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