

Gazelle Roadmap 2024-2025

EPR Projectathon - Lightning talk

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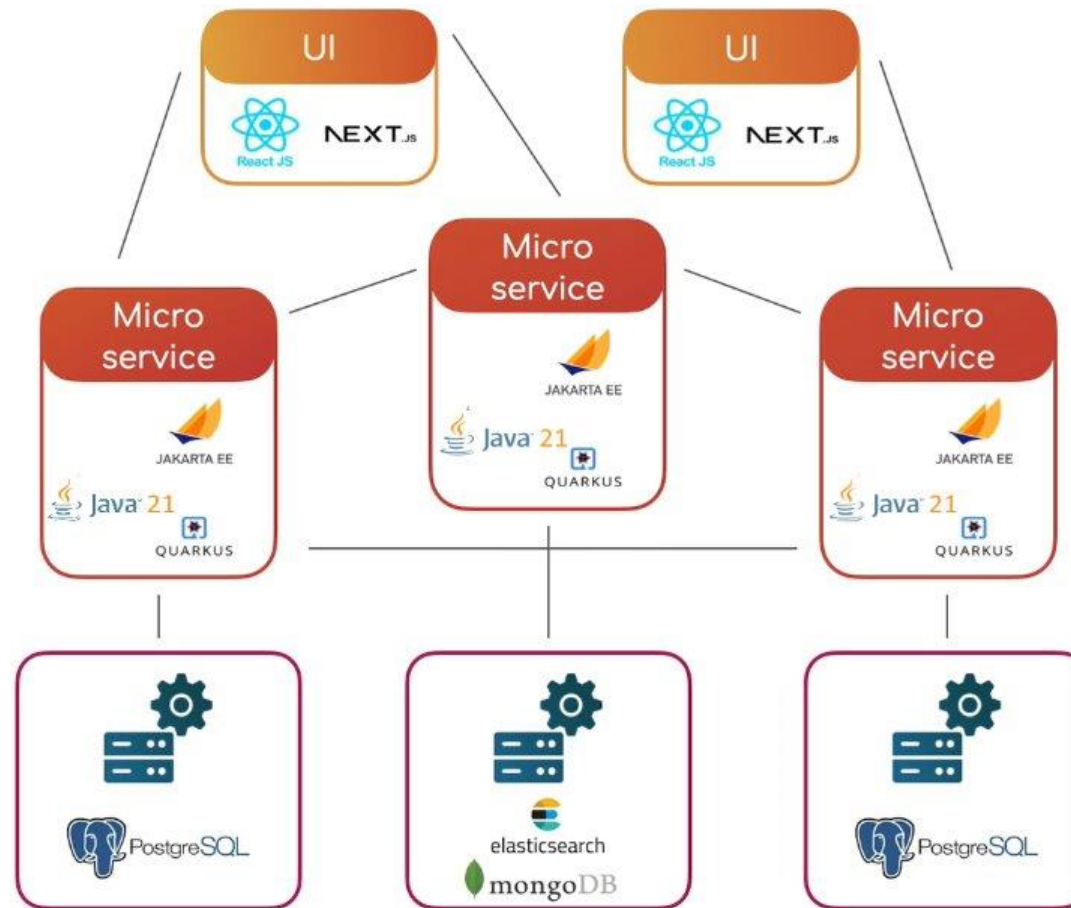


Architecture Renovation

Continuous improvement
of Gazelle architecture



New modules developed
on a brand-new micro-service architecture



Gazelle User Management Renovation Release

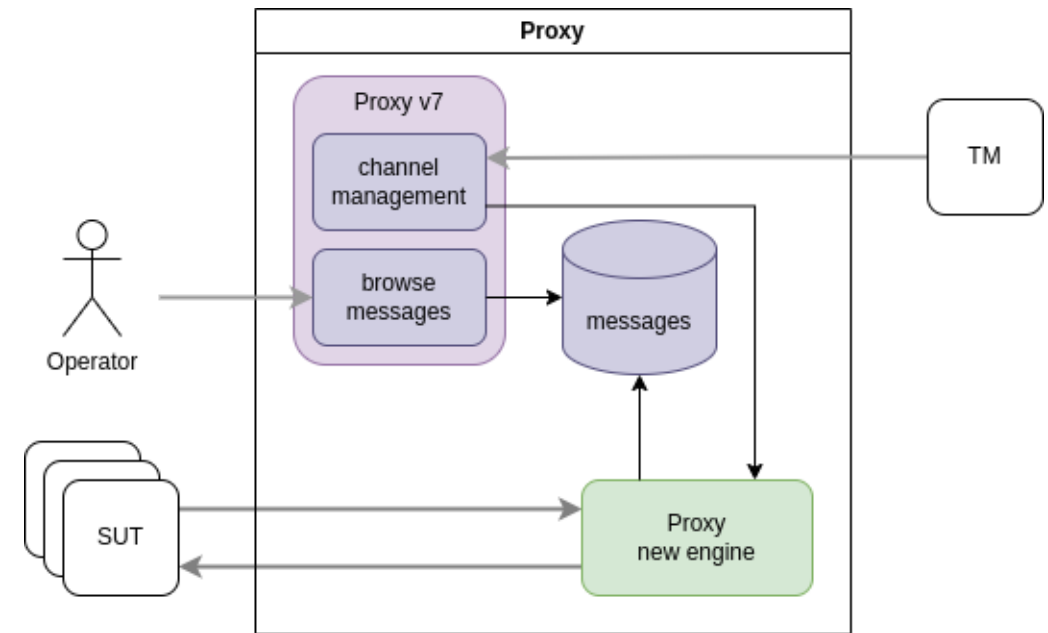


Proxy - Release 1: Proxy Engine

Focused on the Proxy core: capture and forward of messages (No UI improvement)

- > use of the Gazelle Proxy for events involving cloud-based systems under test
 - Hostname for channel opening
 - Support of SNI
 - Rewrite of the HTTP Host header
- > Support of TLS 1.3
- > Better handling of errors
 - Connection error
 - TLS error
 - Decoding error

☑ Released in January 2024



New technology stack for the backend



Improve UX

- > Searching captured messages and connections
 - Add search capability on hostname
 - Preview panel
- > Displaying message content
- > Validation of messages

Develop and integrate a new central component to store and search test items

- > First version will store test items produced by Proxy (recorded messages, and connections)
- > In the future, the component will be able to store all test items (documents, resources, validation reports, test runs, external-tool tests and so on)

☑ Beta for June 2024 CAT

The screenshot displays the Gazelle Proxy interface. At the top left is the Gazelle logo. Below it are links for 'List connections', 'List messages', and 'Test execution'. A 'Saved filters' section contains a search bar and links for 'Proxy 12000' and 'Init host1'. The main area features a table with columns: Type, Timestamp, Initiator, Proxy, Responder, and Detail. The table lists various messages, including HL7, Syslog, and HTTP. One HTTP message is highlighted, showing a 'Secure by TLS' status. To the right of the table is a 'Connection details' panel with fields for Type, Transaction ID, Proxy port, and Timestamp. Below this are panels for 'Initiator' and 'Responder' details. At the bottom right is an 'Index' table with columns: Index, Timestamp, Msg length, Msg type, Validation status, and Actions. The index table shows two entries, one 'Passed' and one 'Failed'. Navigation controls are visible at the bottom of the interface.

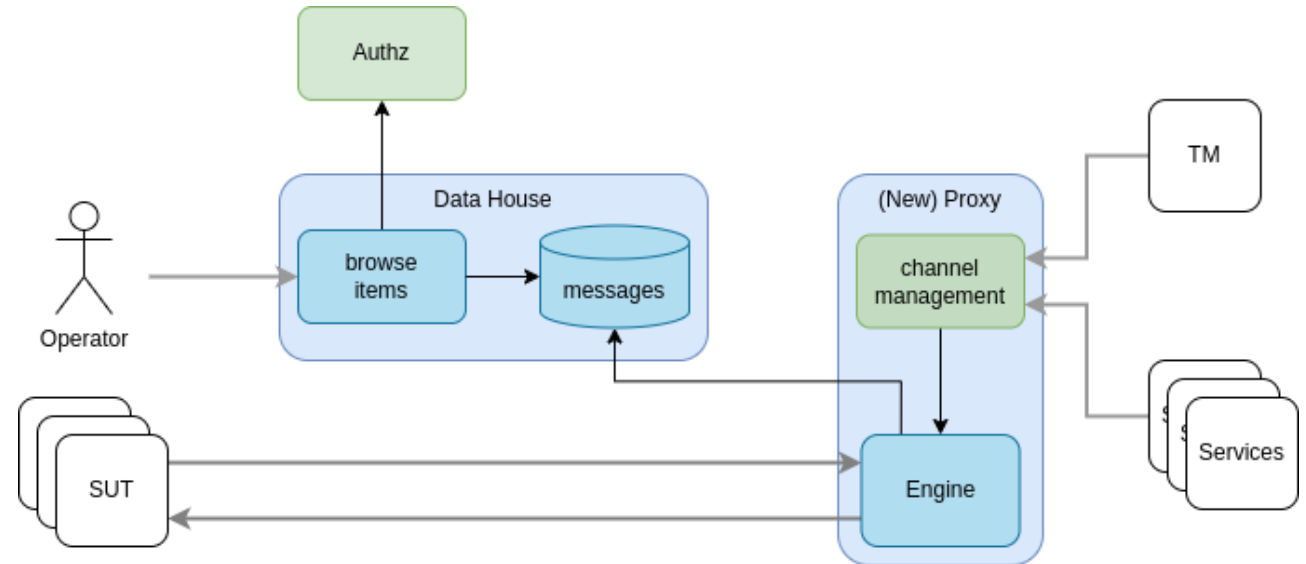
Type	Timestamp	Initiator	Proxy	Responder	Detail
HL7	01 Jan 2024 09:01:20:145 AM - CEST	host1.ihe-europe.net	11000	host2.ihe-europe.net	Error or brief info
Syslog	01 Jan 2024 09:01:24:789 AM - UTC	host1.ihe-europe.net	11400	host2.ihe-europe.net	Decoding error
HTTP	01 Jan 2024 09:04:20:234 AM - CEST	host1.ihe-europe.net	12345	host2.ihe-europe.net	GET
HL7	01 Jan 2024 09:05:20:254 AM - CEST	host1.ihe-europe.net	11000	host2.ihe-europe.net	C-FIND
Syslog	01 Jan 2024 09:17:37:134 AM - CEST	host1.ihe-europe.net	11400	host2.ihe-europe.net	ITI-9
HTTP	01 Jan 2024 09:18:12:234 AM - CEST	host1.ihe-europe.net	12345	host2.ihe-europe.net	GET
HL7	01 Jan 2024 09:18:12:234 AM - CEST	host1.ihe-europe.net	11000	host2.ihe-europe.net	ADT^A28^ADT_A05
Syslog	01 Jan 2024 09:19:20:236 AM - CEST	host1.ihe-europe.net	11400	host2.ihe-europe.net	ITI-9
HTTP	01 Jan 2024 09:20:20:234 AM - CEST	host1.ihe-europe.net	12345	host2.ihe-europe.net	GET
HL7	01 Jan 2024 10:00:20:234 AM - CEST	host1.ihe-europe.net	11000	host2.ihe-europe.net	Decoding error
Syslog	01 Jan 2024 10:01:19:134 AM - CEST	host1.ihe-europe.net	11400	host2.ihe-europe.net	ITI-9
HTTP	01 Jan 2024 10:01:20:234 AM - CEST	host1.ihe-europe.net	12345	host2.ihe-europe.net	TLS error

Index	Timestamp	Msg length	Msg type	Validation status	Actions
1	09:04:20:234 AM CEST	300	GET	Passed	Validate
2	09:04:20:315 AM CEST	10	200	Failed	Validate

Introduce new innovating features for proxy and test items

To be released in December 2024

- > Enhanced Simulator integration with reworked channel resource management. *Allow services to request channels (other than Gazelle Test Management).*
- > Leverage User-Management renovation to introduce a new resource-access authorization framework to share test items
- > Improve search UX by grouping messages by exchange (intermediate granularity between connection and message)





2025 roadmap (under discussion, DRAFT)

Gazelle 2024 - 2025



IHE Canada
IHE USA
CONNECTING THE WORLD.
NA CAT 2024

IHE EUROPE
CONNECTATHON
TRIESTE | JUNE 3-7 2024

IHE Canada
IHE USA
CONNECTING THE WORLD.
NA CAT 2025

IHE EUROPE
EU CAT 2025

IHE Canada
IHE USA
CONNECTING THE WORLD.
NA CAT 2026

2023
December

2024
June

2024
December

2025
June

2025
December

Release NA CAT 24

Release EU CAT 24

Release NA CAT 25

Release EU CAT 25

Release NA CAT 26

Proxy engine
User registration

Authentication delegation (connection to IAM)
New Proxy Message search UI Beta

New Proxy (end of renovation)
New User Management

Restricted

New EVSClient (Validation and Content analysis)
New Schematron XML validator

New Test execution
New Organisation Management (end of renovation)

Draft Version

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