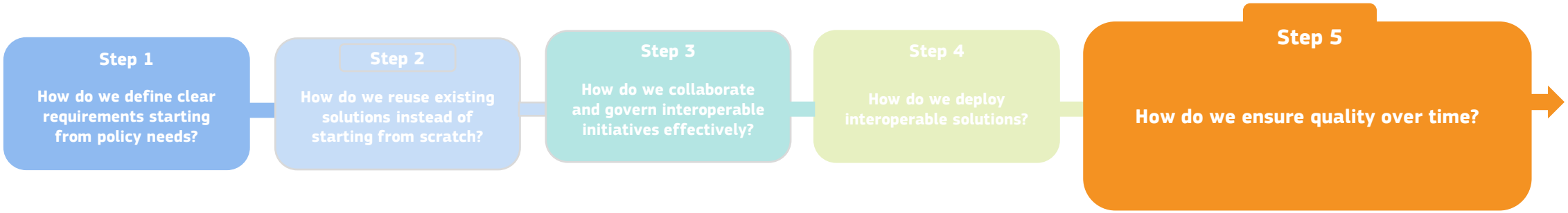
Seasonal School 2026 – Roadmap



Session 16 - Test your system with the Interoperability Test Bed: a hands-on introduction

Session 17 - From monitoring to impact: exploring the Interoperable Europe Portfolio

Session 18 - Building skills: what does it take to implement an interoperable digital public service?

interoperable europe

Step 5

How do we ensure quality over time?

Test your system with the Interoperability Test Bed: a hands-on introduction

Costas Simatos

Session 16

Interoperable Europe Academy
Seasonal School 2026

09-10 JUNE 2026

Agenda

Interoperability Test Bed

Hand-on workshop

Interoperability Test Bed

What is the Interoperability Test Bed?

ITB

Interoperability Test Bed

An online, intuitive and self-service platform for conformance testing of IT systems against semantic and technical specifications

Powered by DIGIT

Standards based (GITB CWA)

ITB - Key services

Available to use as SaaS via DIGIT and as software for self-hosted services

VALIDATORS

Used for **data validation**

Anonymous and stateless

Multiple input channels

Various reporting outputs

Configuration-driven

CONFORMANCE TEST BED

Used for **conformance testing**

Account-based access

Scenario-based test cases

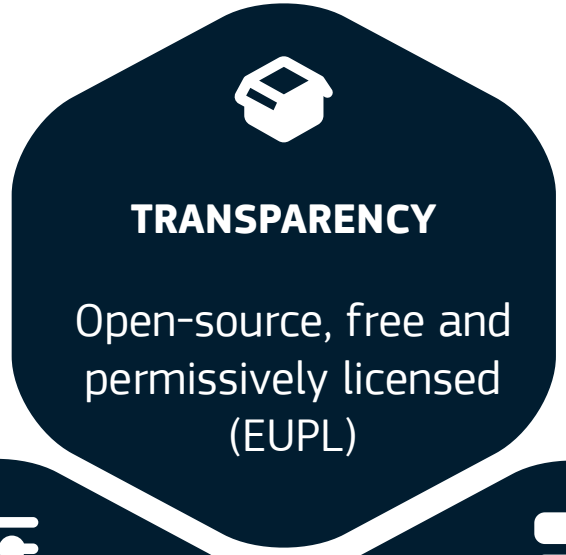
Rich monitoring and reporting

Extensible capabilities

ITB – Value Proposition

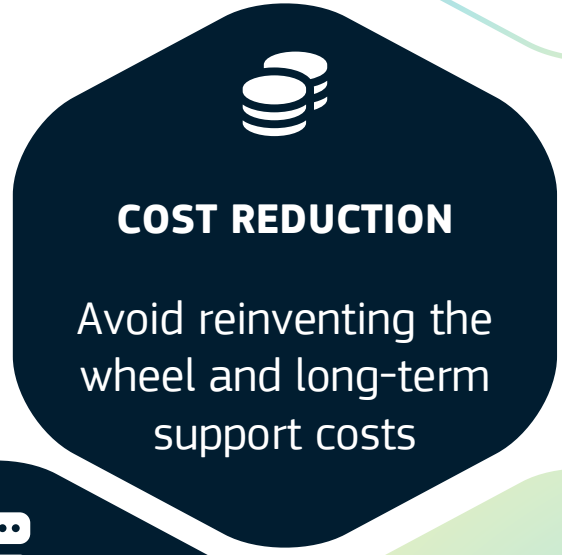
WIDE APPLICABILITY

Usable anywhere IT systems must exchange information



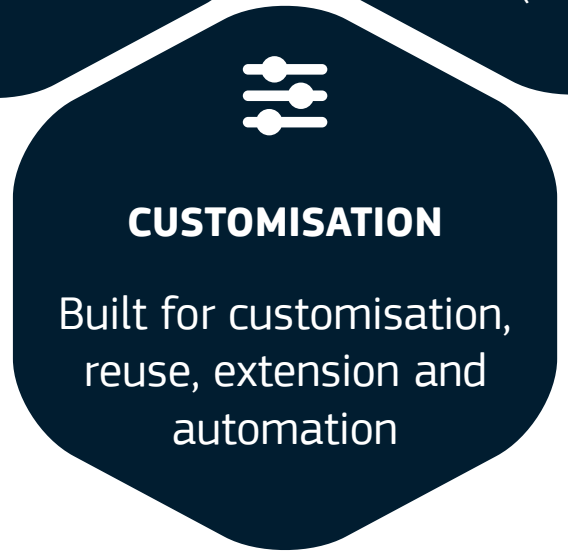
TRANSPARENCY

Open-source, free and permissively licensed (EUPL)



COST REDUCTION

Avoid reinventing the wheel and long-term support costs



CUSTOMISATION

Built for customisation, reuse, extension and automation

OPERATIONAL CONTROL

Self-host for full control or opt for SaaS for minimal effort

ITB – Use Cases

FORMAL CONFORMANCE TESTING

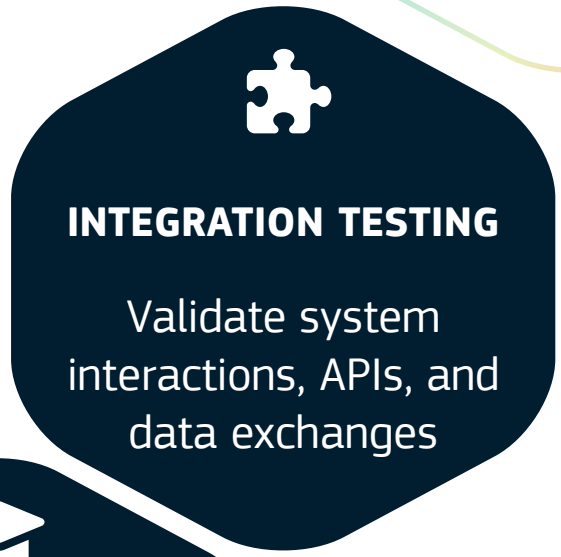
Ensure solutions comply with formal specifications

DATA QUALITY ASSURANCE

Ensure exchanged data is complete, and well-structured

PUBLIC PROCUREMENT

Verify supplier solutions comply with requirements

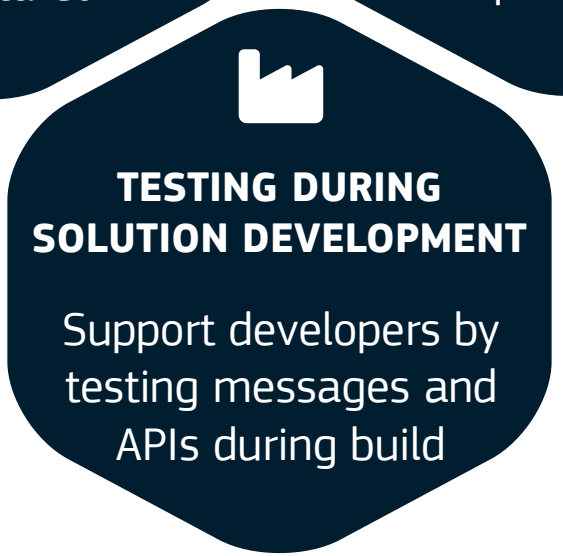


INTEGRATION TESTING

Validate system interactions, APIs, and data exchanges

TESTING SPECIFICATION DEVELOPMENT

Prototype and refine specifications through executable tests



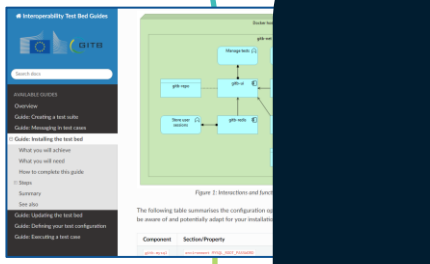
TESTING DURING SOLUTION DEVELOPMENT

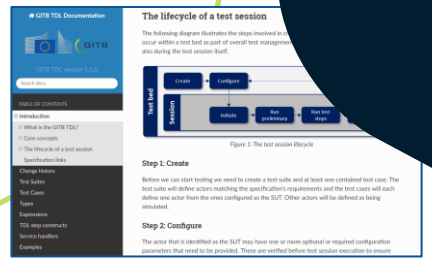
Support developers by testing messages and APIs during build

TRAINING AND COMMUNICATION

Demonstrate and train users through guided examples

ITB – User Support





RICH DOCUMENTATION

User and developer guides

Step-by-step tutorials

News and release notes

AI assistant

DEVELOPMENT SUPPORT

Backlog prioritised on feedback

Direct support channel

Regular releases

Nightly builds

ITB – Example Users

EUDI WALLETS

European Digital Identity Wallets for digital identification, signatures, and document storage and sharing

Conformance testing service for wallet and service providers to test their implementations

Peer-to-peer testing in the EUDI Wallets Launchpad events

EU Digital Identity Wallet More

EUROPEAN HEALTH DATASPACE

Dataspace used to create a trusted European ecosystem for access to and secure use of healthcare data

Conformance testing service and **validator** for national connections to the HealthData@EU platform

European Digital Testing Environment for **sharing** and **experimentation**

European Commission More

GERMAN OPEN DATA PORTAL

German portal to aggregate and share open government data from federal, state and local authorities

Public validator for DCAT-AP.de hosted on the Interoperability Test Bed as a community validation tool

Internal validator instances used for automated quality control checks

GOVDATA Das Datenportal für Deutschland More

European and International adoption

EU and International Organisations, Public Administrations, Academia and Industry

European Commission

EMSA
European Maritime Safety Agency

European Union Agency for Railways

automation for good
University of the Aegean
School of Engineering
UAegean i4m Lab

FHIR

Europe's Rail

World Health Organization

ETSI

cen

Vlaanderen
verbeelding werkt

Peppol

Aristotle University of Thessaloniki

FIDES.

health RI
enabling data driven health & life sciences

Universitatea de Vest din Timişoara

arte
Agência para a Reforma Tecnológica do Estado

HDA
health data agency

ELRA
European Land Registry Association

IHE Europe
Integrating the Healthcare Enterprise

P&G

Bildung

RACSEL
Red América Latina y el Caribe de Salud Digital

Rotterdam The Hague Airport

UK Power Networks

vitalink

GovStack

OASIS OPEN

GovData
Das Datenportal für Deutschland

République Française
Liberté
Égalité
Fraternité

Mines Saint-Étienne

Institut Mines-Télécom

medcom

Hands-on workshop

Hands-on workshop

Install the Interoperability Test Bed, explore its features, and develop tests for your IT system

Thank you!

FIND OUT MORE

- Information
- News
- Releases
- Value proposition
- Tutorials
- Developer guides

Stay in touch

CONTACT US

Send your questions and feedback to DIGIT-ITB@ec.europa.eu

TRY IT YOURSELF

Go to https://www.itb.ec.europa.eu/itb and click “Try out our demos”