


PLATFORM FOR ONLINE INTEROPERABILITY AND PERFORMANCE TEST


F-Interop

Online Platform of Interoperability and Performance Tests for the Internet of Things

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Consortium



Project Coordinator










- Université Pierre et Marie Curie - Paris 6

Technical Coordinator

- Mandat International alias Fondation pour la Coopération Internationale

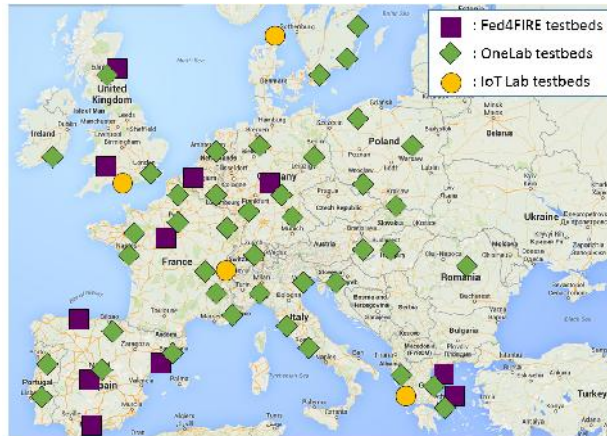
Research Partners

- ETSI - European Telecommunications Standards Institute
- Interdisciplinary Institute for Broadband Technology
- European Advanced Networking Test Center AG
- The Connected Digital Economy Catapult Limited
- University of Luxembourg
- Inria - Institut National de Recherche en Informatique et en Automatique
- Device Gateway

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Federating European Testbeds into a Common Testbed as a Service



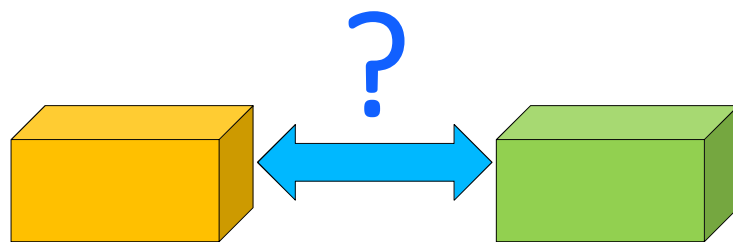
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Online testing tools for the IoT



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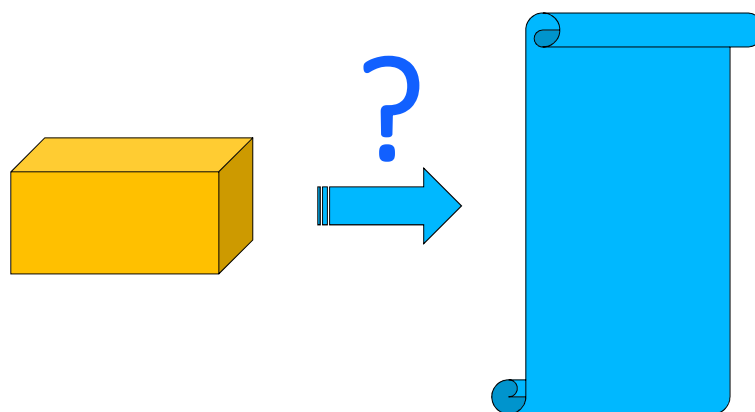
Online Interoperability Tests



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Online Conformance Tests



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Online Performance Tests

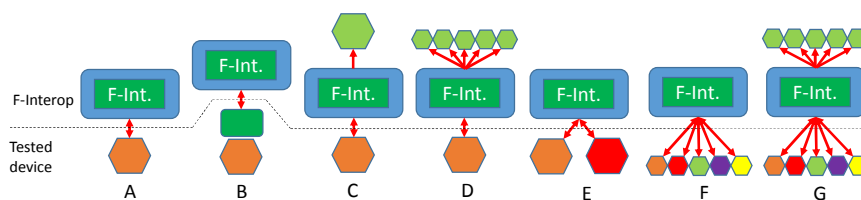


- Scalability
- Quality of Service
- Quality of Experience
- Energy efficiency



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Modularity of Tests



- Simple test Device \leftrightarrow F-Interop test server.**
- Deported test with downloaded resource.**
- Interop test against FIRE+ device.**
- Interop test against FIRE+ large set of devices.**
- Interop test between two distinct devices** provided by developers.
- Interop test against several devices remotely connected** by one or several developers only.
- Interop test between several devices remotely connected by developers combined with FIRE+ devices**, enabling instance large scale interop (“online plugtests”) and performance tests.



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Supporting Standardization



➤ oneM2M



➤ 6TiSCH (IETF)



➤ Web of Things (W3C)



➤ ...

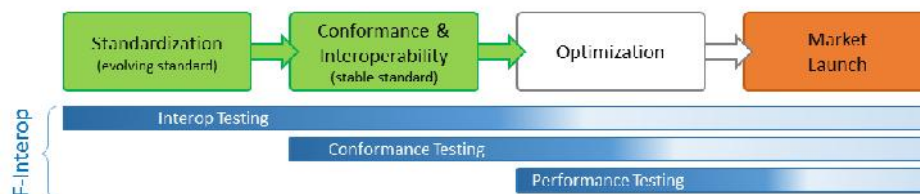


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From Design to Market



- **Support & Accelerate Standardization**
- **Conformance & Interoperability**
- **Performance Optimization**
- **Market Launch**



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Open Call



700'000 €

- **Testing Tools**
- **Tests Suites Designs**
- **Plugtests**
- **SME tests and Reports**

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Expected Impact



Accelerate standards and innovation development

Support for:

- **Standardization communities**
- **SMEs and companies**
- **Academic community**

- **Wider standards adoption**
- **Faster availability of standards-based products**
- **European support to global standardization**



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Thank you!

