IETF

CodeMatch

**Contribute to the interoperability
testing of standards used by
millions of users each day.**

What it is

The IETF CodeMatch marketplace brings together students, researchers, professors, open source development communities, vendors with proprietary implementations, and consumers of code bases. The objective is to develop running code for IETF protocols. Each benefits from increased collaboration that CodeMatch enables.

How it works

Developers can select "CodeRequests" and link their project to the appropriate standard(s) through the CodeMatch site. The relationship will open up collaboration opportunities with the IETF standards editor and a designated IETF CodeMatch project shepherd or mentor along with other developers who may grapple with the same questions in the development of their code.

When developers have questions, they may suggest changes that could be used to update the standard to improve accuracy and interoperability for future implementations if the suggestions are agreed upon. Since multiple implementations may be linked to a single CodeRequest, opportunities to collaborate might include plugfests or even simply having fast access to notifications when errors are reported on drafts or published standards.

Multiple development efforts can occur around a single draft or RFC, enabling collaboration between development efforts and opportunities for organizing plugfest events. Developers benefit from registering their code development efforts for collaboration.

CodeMatch
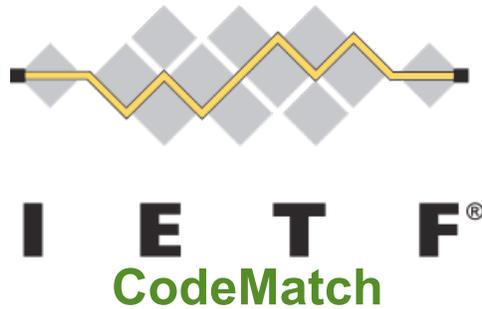
Who can participate

Open Source & Industry Developers — Why you should get involved
- Marketing for your implementation
- Get involved in open standards work and the Internet Engineering Task Force
- Connect and partner with other developers interested in the same topics
- Automated notifications on updates to standards and drafts and plugfest events

Students — Why you should participate
- Help contribute to the evolution of the Internet
- Make valuable connections with industry influencers
- Learn software engineering best practices and build your resume

Professors — Why you should get involved
- Get involved in open standards work and the Internet Engineering Task Force
- Connect and partner with other researchers interested in the same topics
- Engage your students with practical, real-world projects

Consumers of Code Bases — Why you should get involved
- Easy access to open source implementations
    Please note that licenses are issued by the developer and are independent of CodeMatch and the IETF. We do encourage the use of open source friendly license terms such as MIT or BSD. License terms may be included in the actual code that would be stored in a code repository linked to the CodeMatch site.
- Implementations may have a statement of interoperability if plugfest testing was performed

About the Internet Engineering Task Force (IETF)
www.ietf.org

Updated October 2014

Formed in 1986, the mission of the IETF is to make the Internet work better by producing high quality, relevant technical documents that influence the way people design, use, and manage the Internet. Since its inception, the engineers who have been involved in the IETF have written more than 8500 Requests for Comments (RFCs) that impact how the billions of users on the Internet use connect, communicate, collaborate, and innovate across all facets of life.

About the Internet Research Task Force (IRTF)
www.irtf.org
While the IETF focuses on shorter term issues such as engineering and standards development, the IRTF focuses on longer term research issues, such as Internet Congestion Control, Delay Tolerant Networking, and CryptoForum Research. Its mission is to promote research of importance to the evolution of the Internet by creating focused, long term research groups working on topics related to Internet protocols, applications, architecture, and technology.

IETF CodeMatch
www.ietf.org/CodeMatch