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<https://www.frogans.org/en/main.html>



FROGANS TECHNOLOGY

**Chinese Academy of Sciences
Computer Network Information Center**

Insights on Frogans technology

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Insights on Frogans technology

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At a glance

- A new open standard on the Internet developed by the OP3FT
- A new format for creative content publishing on the Internet
- A new end-to-end security model for online publishing
- OP3FT 中国 : building an Internet standard in China
- Current objectives

A new open standard on the Internet developed by the OP3FT

- The OP3FT is a standards developing organization (SDO), founded in France in 2012, with a team of 30 people.
- The purpose of the OP3FT is to hold, promote, protect and ensure the progress of Frogans technology, in the form of an **open standard** for the Internet, **available to all, free of charge**.
- At the OP3FT, we believe that netizens should not be dominated by the technology they use and should have **full control over aspects of the technology** that can directly impact their lives.
- For netizens, the Frogans technology is a new means for accessing content and using services in a **simpler and more secure way**.

A new open standard on the Internet developed by the OP3FT

- The OP3FT has partnered with **organizations around the world** in order to ensure the **stability** and **long-term existence** of the Frogans layer:
 - **ICANN** (Internet Corporation for Assigned Names and Numbers) through the delegation of the **.frogans TLD** whose purpose is to ensure the security, stability and reliability of the Frogans layer for the benefit of all Internet users
 - **Afnic** (French registry of .fr domain names) which is the **back-end registry** for the .frogans TLD
 - **ADNDRC** (Beijing, Hong Kong, Seoul, and Kuala Lumpur) and **FORUM** (United States) which provide **dispute resolution** for Frogans addresses under the **UDRP-F**

A new format for creative content publishing on the Internet

- From a technical standpoint, the **Frogans technology** introduces:
 - a new type of online content, called **Frogans sites**
 - new software to navigate Frogans sites, called **Frogans Player**
 - new Internet identifiers for Frogans sites, called **Frogans addresses**
- The Frogans technology implements a new **generic software layer** on the Internet alongside other existing software layers such as E-mail (1972) or the Web (1989).

A new format for creative content publishing on the Internet



A new format for creative content publishing on the Internet

For **netizens**, the Frogans technology:

- is **invisible**: no tech is apparent, content floats on the screen
- is **universal**: no fragmentation, identical appearance on all devices, loads quickly over any network
- is **safe**: no need to take care of complicated security matters, there is a new end-to-end security model (from network protocols to file formats)
- **protects privacy**: no cookies, no information leaked behind the user's back, end users are in control of their personal data

A new format for creative content publishing on the Internet



A new end-to-end security model for online publishing

Key technical properties of the model:

- The identifiers of Frogans sites, called Frogans addresses, are secure by design.
- Connections to Frogans site servers are operated in a purely deterministic manner.
- The nature of the files conveying the content of Frogans sites is innocuous.
- Protective measures are applied systematically when treating files received from Frogans site servers.

OP3FT 中国 : building an Internet standard in China

- The OP3FT is **switching to the spread** of the Frogans technology.
- The OP3FT must ensure that the promotion and future development of the Frogans technology **meet the needs** of Internet users in all countries.
- In some countries, the OP3FT plans to open **local branches**.
- The OP3FT came to the conclusion that China was a country in which a local branch was required to fulfill its mission.
- OP3FT 中国 is the **first local branch** to be opened by the OP3FT.

OP3FT 中国 : building an Internet standard in China

- OP3FT 中国 will participate in the **development** and **promotion** of the Frogans technology.
- This mission will be carried out by a **local team** in Beijing.
- The team will:
 - do research and development
 - write technical specifications
 - produce source code
 - carry out tests
 - write documentation
 - write policies and contracts
 - etc.



Current objectives

- Identify and meet people to join OP3FT 中国 's team.
- Understand the prerequisites and good practices to host OP3FT 中国 (right location, legal aspects)
- Build a benevolent network of experts and professionals in China to help us in our early steps (the "OP3FT 中国 's friends").

References

- The OP3FT's Web site:
<https://www.op3ft.org/>
- The Web site presenting OP3FT 中国 :
<https://china.op3ft.org/>
- The official Web site of the Frogans technology:
<https://www.frogans.org/>
- Frogans Technology Conferences:
<https://conference.frogans.org/>
- Using the .frogans TLD:
<https://nic.frogans/>
- The UDRP-F and its Rules of procedure:
<https://www.frogans.org/en/resources/udrpf/access.html>