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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

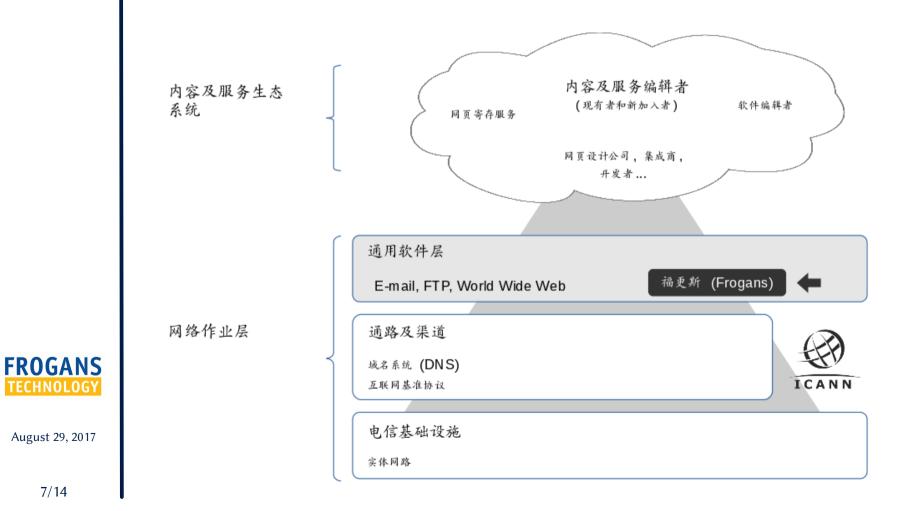


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• The Frogans technology implements a new **generic software layer** on the Internet alongside other existing software layers such as E-mail (1972) or the Web (1989).



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



FROGANS TECHNOLOGY



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.



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Current objectives

- 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

