



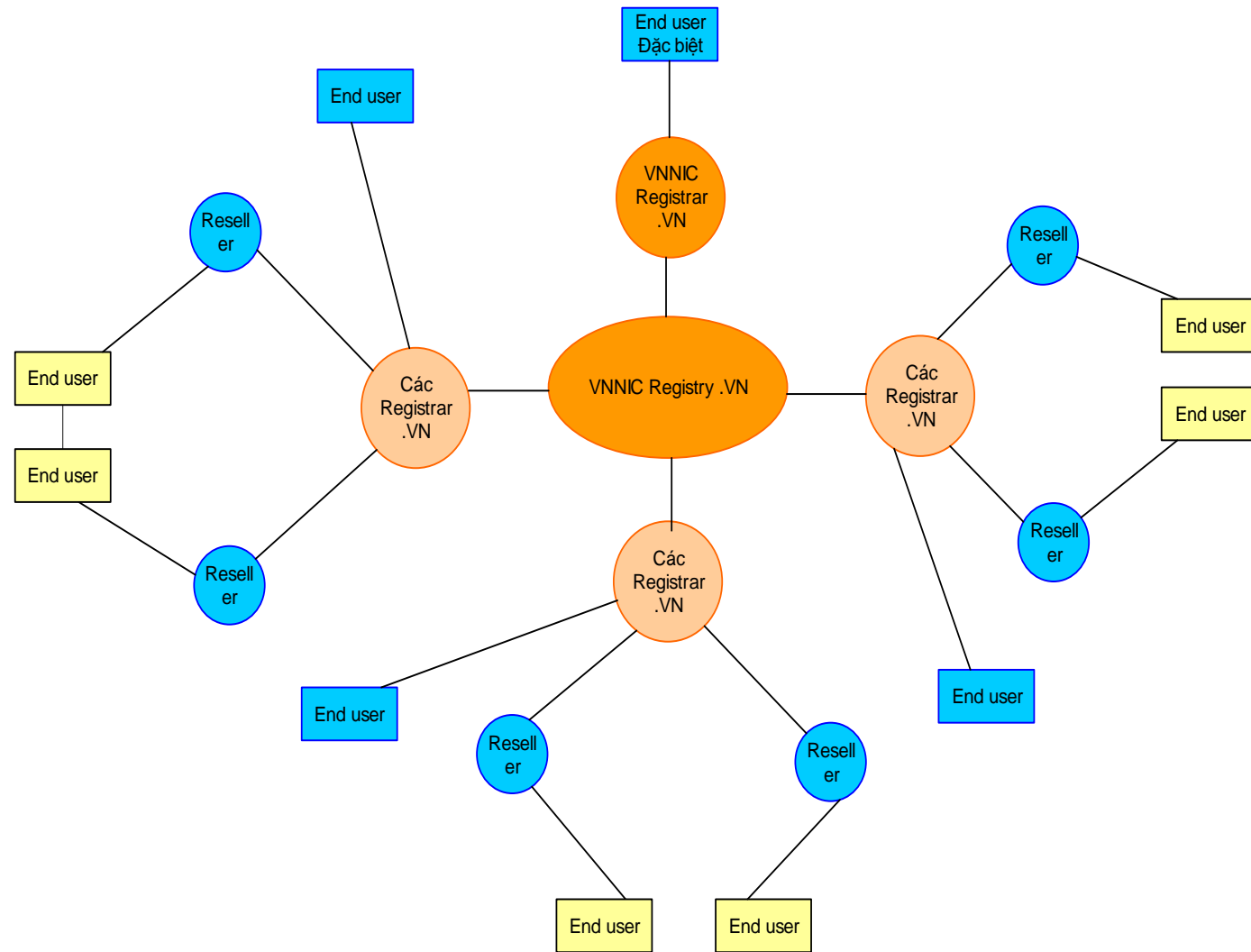
MINISTRY OF INFORMATION AND COMMUNICATIONS
VIET NAM INTERNET NETWORK INFORMATION CENTER

VNNIC's plan on RDAP deployment for .VN domain name

Technical Department – Le Dao Phuong An
February 21, 2024

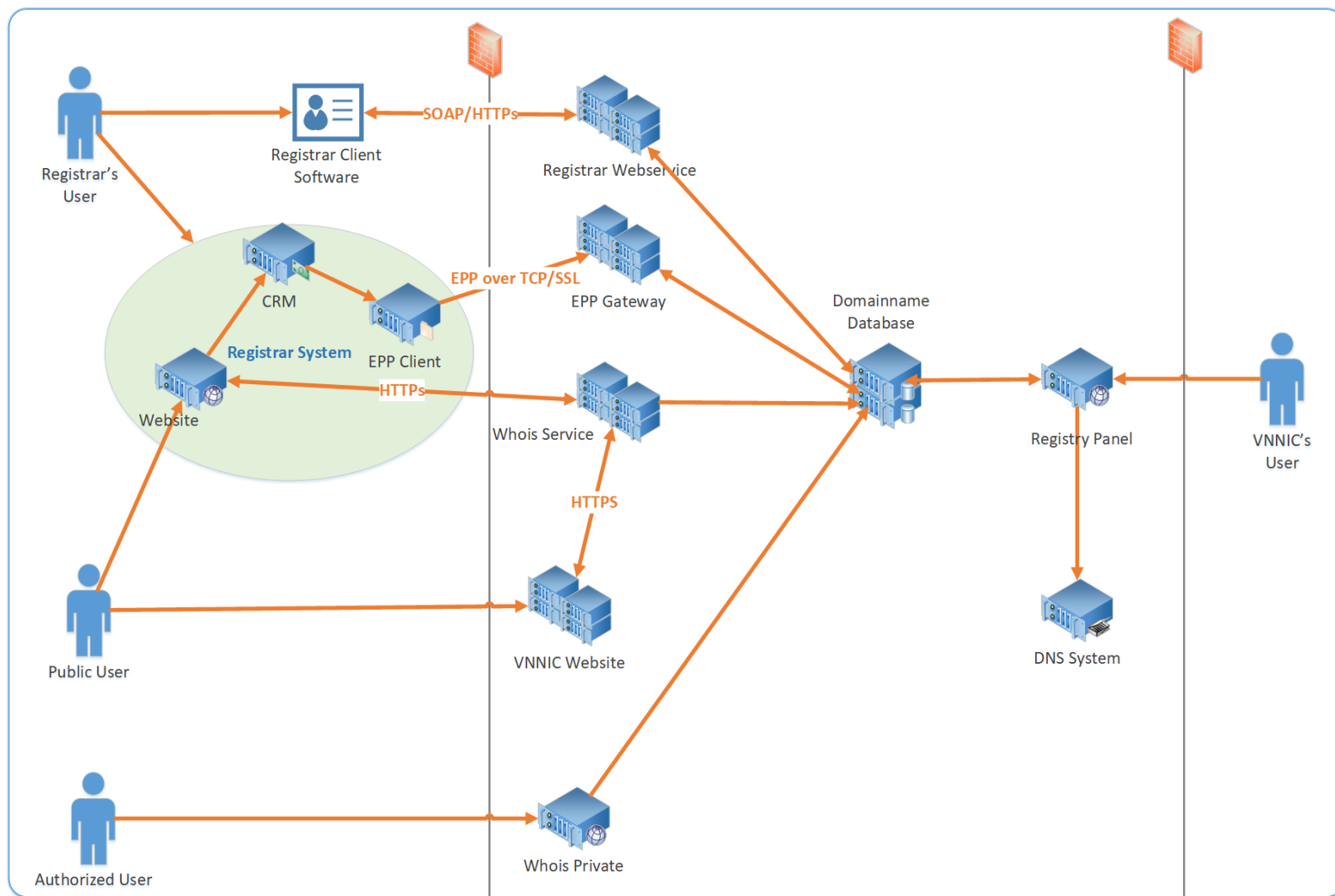
.VN Domain Name Management System

- **Management Model:** Shared Registry System (SRS)
- **Protocol:** Extensible Provisioning Protocol (EPP)
- **Management Objects:** Domain, Contact
- **Management policy:** Thick Registry
- **Until January 01, 2024:**
 - 608,673 domains
 - 17 registrars with 6 overseas and 11 domestic registrars



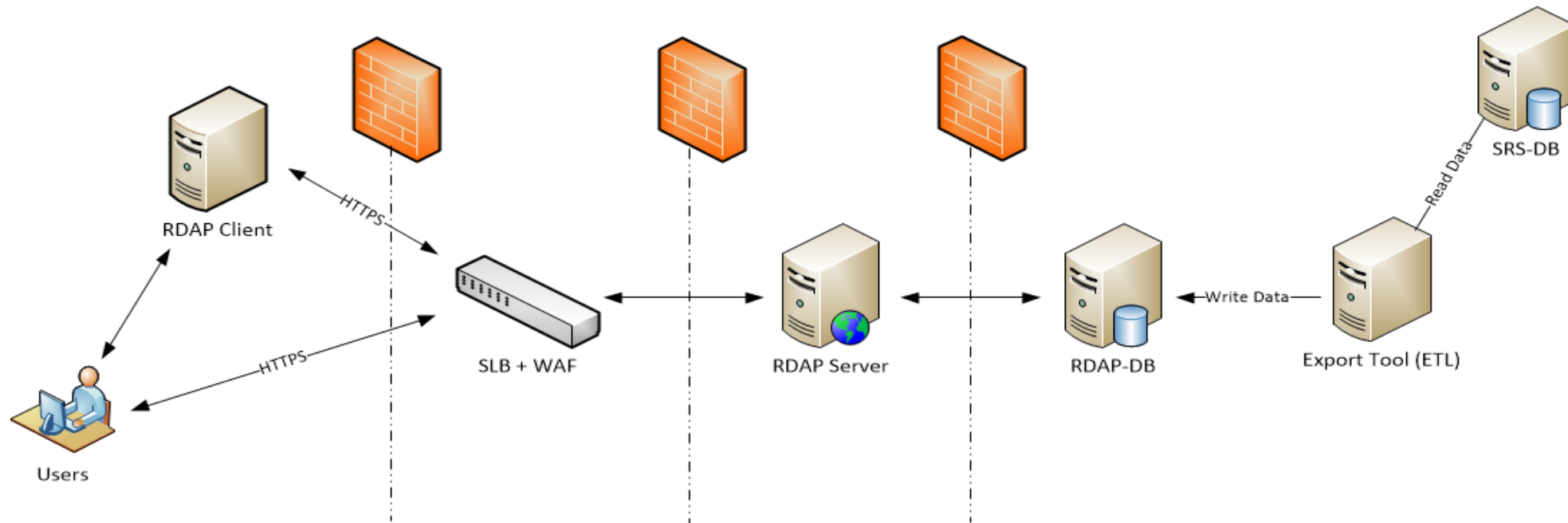
.VN WHOIS System

- For Public:
 - VNNIC website
 - Registrars' website (VNNIC WHOIS API with Web Service, use SOAP Protocol)
 - For Authorized Users: Web app (private WHOIS) with more information of registrant (address, phone number, email,...)
- VNNIC WHOIS is more improved than TCP/43 and similar to RDAP protocol.
- Still need to be standardized, internationalized and interconnected, ...



RDAP for .VN domain name

- VNNIC researched and testing RDAP for .VN domain name in November 2019.
- Base URL: <https://rdap.vnnic.vn/rdap/>
- Response info: Domain name, Registration date; Expiration date, Registrant name, Registrar name, Domain status, DNSSEC info.
- RDAP testing model using Web Service and the REST architecture:



RDAP development for .VN

Despite of being researched and tested since 2019, RDAP has not been deployed for .VN officially yet. There are some issues that need to be considered more carefully as follows:

- Technical and safety issues, thence prepare necessary resources.
- Data privacy and data sharing policy according to regulations on protection of personal data.

Plan on RDAP development for .VN

- From 2024 - 2025, VNNIC will proceed the deployment plan of RDAP for .VN domain name:
 - Q4/2024: deployment of RDAP server system.
 - Q1-2/2025: deployment of RDAP workstation system, replacing the current WHOIS system.
 - Q1-2/2025: Support and coordinate with the VNNIC's registrars to connect and test, prepare to upgrade the WHOIS system on the Registrars' Websites using RDAP.



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Thank you !