jPRS

Japan Registry Services Co., Ltd.

URL : https://jprs.co.jp/en/

E-mail : info@jprs.jp

jPRS

Japan Registry Services
Corporate Profile

Tokyo Dome

Sotobori-dori Ave.
Koishikawabashi XPT — Korakubashi XPT — Suidobashi XPT
Kanda River
JR Chuo/Sobu Line
JR Suidobashi Station
◀ Iidabashi
West Exit
Ochanomizu ▶
Tokyo Dental College
Metropolitan Expressway
Suidobashinishi-dori Ave.
Hakusan-dori Ave.
Tokyo Metro Tozai Line
Mejiro-dori Ave.
jPRS
Chiyoda First Bldg. East
Nihon Univ. College of Law
Nihon Univ. College of Economics
Toei Mita Line
Iidabashi 1 XPT
Nishi-Kanda Ramp
Entrance
O-HARA Accounting School
HOTEL Villa Fontaine Tokyo-Kudanshita
Exit 7
Seven-Eleven (convenience store) Gas Station
Nishi-Kanda XPT
Senshu Univ. Kanda Campus
Kudanshita Station
Sendai-dori Ave.
Mizuho Bank
MUFG Bank
Exit 3A
Exit 5
Exit A2
Exit A3
Exit A5
Toei Shinjuku Line
Tokyo Metro Hanzomon Line
yasukuni-dori Ave.
Jinbo-cho Station
Kudanshita XPT
Exit 6
Exit A1
Exit A6
Sendai-mae XPT
Jinbo-cho XPT
Police Box
〒
Jonan Shinkin Bank

Nearest stations: JR Suidobashi Station (West Exit), Subway Kudanshita Station (Exit 5), Subway Jimbocho Station (Exit A2)

Tokyo Head Office

Chiyoda First Bldg. East (General Reception 12F), 3-8-1 Nishi-Kanda, Chiyoda-ku, Tokyo 101-0065, JAPAN
PHONE : +81-3-5215-8451 **FAX :** +81-3-5215-8452

Hankyu Railway
Hankyu Umeda
shin-Osaka ▶
Temma ▶
Umeda Ramp East
Subway Tanimachi Line
JR Osaka Station
Central Exit
Umeda Station
JR Tokaido Line
JR Osaka Loop Line
Sakurabashi Exit
Hanshin Umeda
Higashi-Umeda Station
Shin-Mido-suji Ave.
Hanshin Electric Railway
Hilton Osaka
Subway Yotsubashi Line
Nishi-Umeda Station
Subway Mido-suji Line
Sakurabashi
JR Kitashinchi Station
JR Tozai Line
Starbucks Coffee
Mido-suji Ave.
Kintetsu Dojima Building
Exit C72
jPRS
Dojima Avanza 10F
Deiribashi Exit
Entrance
Dojima1
Hotel Elsereine Osaka
Osaka High Court
Hanshin Expressway No. 11 Ikeda Line
Yotsubashi Ave.
Dojima Enter
Hanshin Expressway
Dojima River
Watanabebashi Station
Oebashi Station
Keihan Nakanoshima Line
Osaka City Office

Direct link via underground passageway from JR Osaka Station, Subway Nishi-Umeda Station (Exit C72), etc.

Osaka Office

Dojima Avanza 10F, 1-6-20 Dojima kita-ku, Osaka-shi, Osaka 530-0003, JAPAN
PHONE : +81-6-7639-6001 **FAX :** +81-6-6455-5324

UD FONT

VEGETABLE OIL INK

April 2024

Contributing to Building the Network Society and Creating a More Fulfilling and Enriching World

Supporting the Internet infrastructure for a better future

The Internet has become an essential part of the foundation for today's society. Especially, domain names are crucial to Internet access. Japan Registry Services Co., Ltd. (JPRS) supports the infrastructure of the Internet on a 24/7/365 basis through the management and administration of domain names and operation of the Domain Name System (DNS).

Contributing to society through technology development and value creation for JP domain names

Keeping up with the latest technologies is indispensable for domain name management and DNS operations. As a company supporting the network infrastructure, JPRS must offer new services to society by applying the DNS related technologies it has developed and acquired through the operation of domain names. For that purpose, JPRS is actively researching and developing new technologies.

JP domain names are accessible not only inside Japan, but also from all over the world. Therefore, in the interest of both the global community and the community in Japan, JPRS is developing, improving, and promoting its services to ensure that JP domain names are more user-friendly and have higher value.

Responsibilities as a company supporting the network infrastructure

As a company dedicated to supporting the network infrastructure, we strive to maximize reliability and respond to the expectations of the community.

Moreover, we support the evolution of the Internet by coordinating closely with Internet-related organizations at home and abroad as well as the Government of Japan.

JPRS will keep making every effort to contribute to society into the future.

As a company dedicated to maintaining the network infrastructure, JPRS contributes to the development of the Internet and the building of a better future for everyone.

Koki Higashida, President

JPRS manages, administers and conducts agency business for domain names and provides domain name services including operation of the DNS.
JPRS also conducts research and development of various Internet-related technologies.

Core Concepts for Services (Four Pillars)

Reliability	Stability	Usability	Fee Performance
Establishing services with public trust	Operating and administering a stable system	Providing accessible services which meet users' needs	Providing services at reasonable fees

Company Overview

Company name	Japan Registry Services Co., Ltd.		
Established	December 26, 2000		
E-Mail	info@jprs.jp		
URL	https://jprs.co.jp/en/		
Capital	¥344.14 million		

Address

Tokyo Head Office
Chiyoda First Bldg. East (General Reception 12F), 3-8-1 Nishi-Kanda, Chiyoda-ku, Tokyo 101-0065, JAPAN
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Members of the Board
Koki Higashida (President)
Hirofumi Hotta (Sr. EVP)
Fumihiko Yoneda (SVP)
Rie Iwatani (SVP)
Takaharu Ui (SVP)
Masami Muromachi
Takazumi Koshibu

Audit & Supervisory Board Members
Shigehiro Hayashi
Takumi Horiuchi
Takashi Ohtake
Hiroo Hirose

Accounting period	January 1 to December 31
Employees	125 (as of 1 April 2024)
Main bankers	MUFG Bank, Mizuho Bank, Sumitomo Mitsui Banking Corporation
Certifications	ISO 27001 (Service of domain registries) WebTrust Accreditation

Domain Name Services

To register a domain name, the applicant signs up for the desired name with a JPRS Partner. The JPRS Partner then goes through the registration procedure with JPRS.

This framework offers applicants and registrants diverse registration services which differ among JPRS Partners. The overall quality of service is also improved through competition, and service scalability can be achieved.
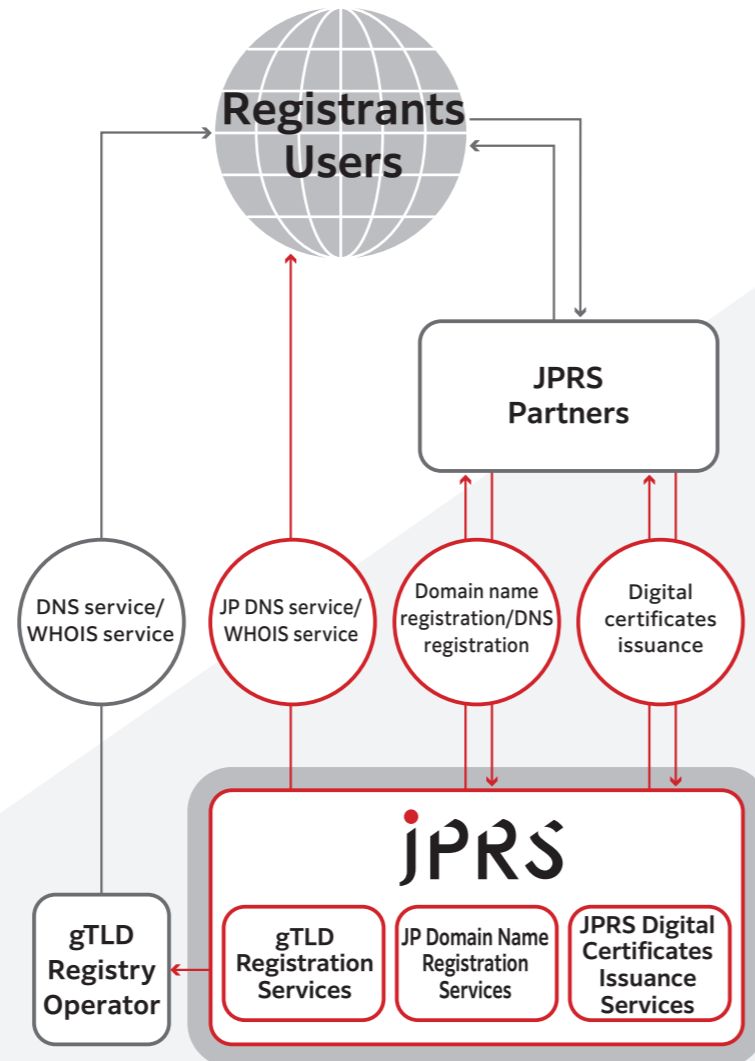
JPRS, as the registry for JP domain names, examines the eligibility of JP domain name applications submitted through JPRS Partners and accepts them, and manages and operates the database of all registered JP domain names. Specifically, JPRS operates JP DNS and provides information via the WHOIS service for users worldwide.

JPRS also carries out agency business for other domain names (gTLD, etc.) which are applied for through JPRS Partners to each registry operator.

JPRS also issues digital certificates* in order to enhance the security and reliability of domain names.
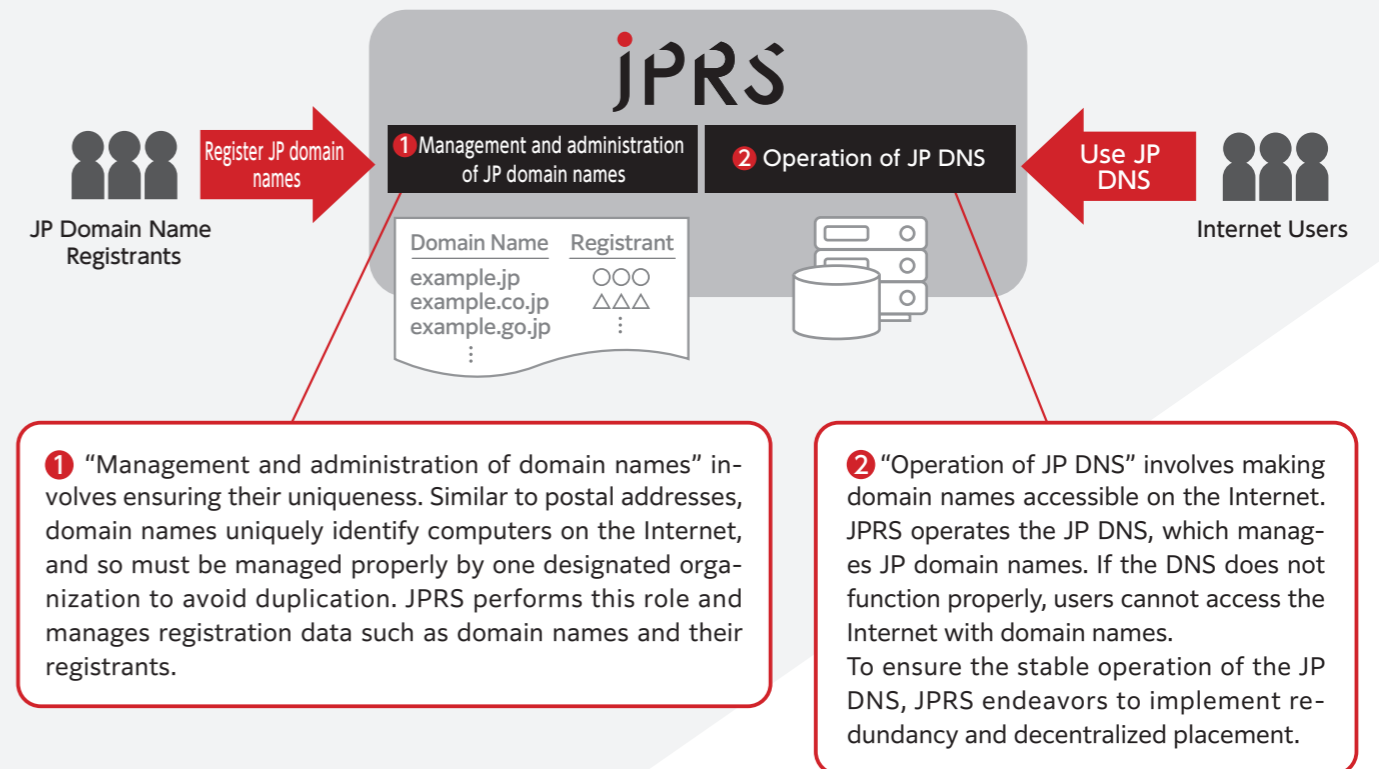
Furthermore, JPRS conducts research and development of new technologies to address the needs of registrants and users in a timely manner.

* Digital certificates provide secure and confidential communications by encryption between web server and client.
The URL of a website with a digital certificate is prefixed with "https."

What is a domain name?

A domain name is an identifier of computers and services on the Internet

and is used as part of URLs and e-mail addresses.

A domain name is a sequence of labels connected with "." (dot).
The rightmost label in a domain name is called the Top Level Domain (TLD).
JPRS administers the Country Code Top Level Domain ".jp" assigned to Japan.

Top Level Domain (TLD)

URL **https:// example.jp**

E-mail address △△△@ **example.co.jp**

Domain name

Management and Administration of JP Domain Names

JPRS is the sole registry operator for the Country Code Top Level Domain ".jp" assigned to Japan.
A domain name registry operator has two roles: management and administration of domain names, and operation of DNS.

JP Domain Name Registrants — Register JP domain names → **jPRS**

❶ Management and administration of JP domain names

❷ Operation of JP DNS

Use JP DNS ← Internet Users

Domain Name	Registrant
example.jp	○○○
example.co.jp	△△△
example.go.jp	⋮

❶ "Management and administration of domain names" involves ensuring their uniqueness. Similar to postal addresses, domain names uniquely identify computers on the Internet, and so must be managed properly by one designated organization to avoid duplication. JPRS performs this role and manages registration data such as domain names and their registrants.

❷ "Operation of JP DNS" involves making domain names accessible on the Internet. JPRS operates the JP DNS, which manages JP domain names. If the DNS does not function properly, users cannot access the Internet with domain names.
To ensure the stable operation of the JP DNS, JPRS endeavors to implement redundancy and decentralized placement.
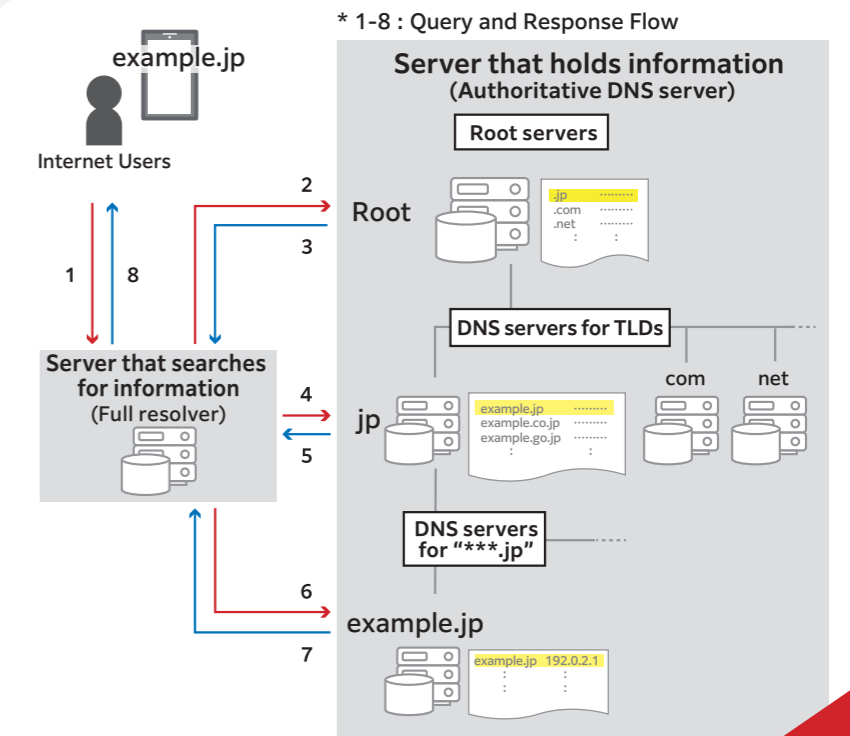
How DNS Works

Computers on the Internet are identified by IP addresses as an identifier. However, IP addresses are difficult to understand for humans, so they are associated with domain names, which are character strings that are easy to understand.

example.jp ⟷ Mapping ⟷ **192.0.2.1**
Domain name / IP address

This mapping is handled by the DNS. DNS has two types of servers: one is for searching information and the other is for providing information. Servers that provide information exist for each hierarchy level of domain names separated by "." (dot), including the root servers at the top of the hierarchy, the DNS servers for the Top Level domains (TLDs), and other DNS servers.
Each DNS server provides information of DNS servers and IP addresses for the next query, for guiding the servers that search for information properly.

* 1-8 : Query and Response Flow

example.jp / Internet Users

Server that searches for information (Full resolver)

Server that holds information (Authoritative DNS server)

Root servers

Root

jp
example.jp
example.co.jp
example.go.jp

DNS servers for TLDs

com / net

DNS servers for "***.jp"

example.jp
example.jp 192.0.2.1

Activities of JPRS

To support the Internet infrastructure, JPRS collaborates with regional and global organizations, participates in root server operations, and conducts research and development.

Activities to Support the Internet Infrastructure

Collaboration with regional and global organizations

The Internet is a global network not constrained by national or regional borders. Therefore, a global operational framework to ensure the smooth functioning of the Internet as a whole is needed. JPRS, as the .JP registry operator, actively participates in global Internet organizations and contributes to building a globally stable and secure framework of the Internet. For example, JPRS supports ICANN, which is the organization responsible for global technical coordination of the Internet infrastructure including domain names, IP addresses, and root servers. JPRS is also involved in the establishment and management of ccNSO in ICANN. In addition, JPRS takes a leading role in APTLD, the regional association of domain name registries in the Asia Pacific region, and actively participates in the IETF.

JPRS also takes part in Internet-related Japanese organizations including IAjapan, JAIPA, and the WIDE Project to exchange information on the latest trends, and contribute to research and development.

The administration of JP domain names is a public interest, as it affects the Internet environment not only in Japan but also worldwide. JPRS therefore does its utmost to create a prosperous Internet society, while maintaining and enhancing the framework for the management and administration of JP domain names in cooperation with ICANN, the Government of Japan, and JPNIC.

Participation in Root Server Operations

Root servers are the authoritative DNS servers at the top of the hierarchical structure in DNS. Root servers play an important role in ensuring the proper functioning of DNS and the uniqueness of the namespace on the Internet. Therefore, root servers are critical components for the smooth operation of the Internet.

There are 13 series of root servers from A to M, which are operated on a voluntary basis under the cooperation of each root server operating organization. JPRS is collaborating with the WIDE Project to operate the M-Root server, one of the root servers, to ensure the reliability and stability of DNS operations.

Research and Development

For stable and reliable domain name registration / administration and DNS operation, the latest advanced technologies are indispensable.

JPRS is actively engaged in research and development to quickly accommodate the changing environment of the Internet and expanding social needs.
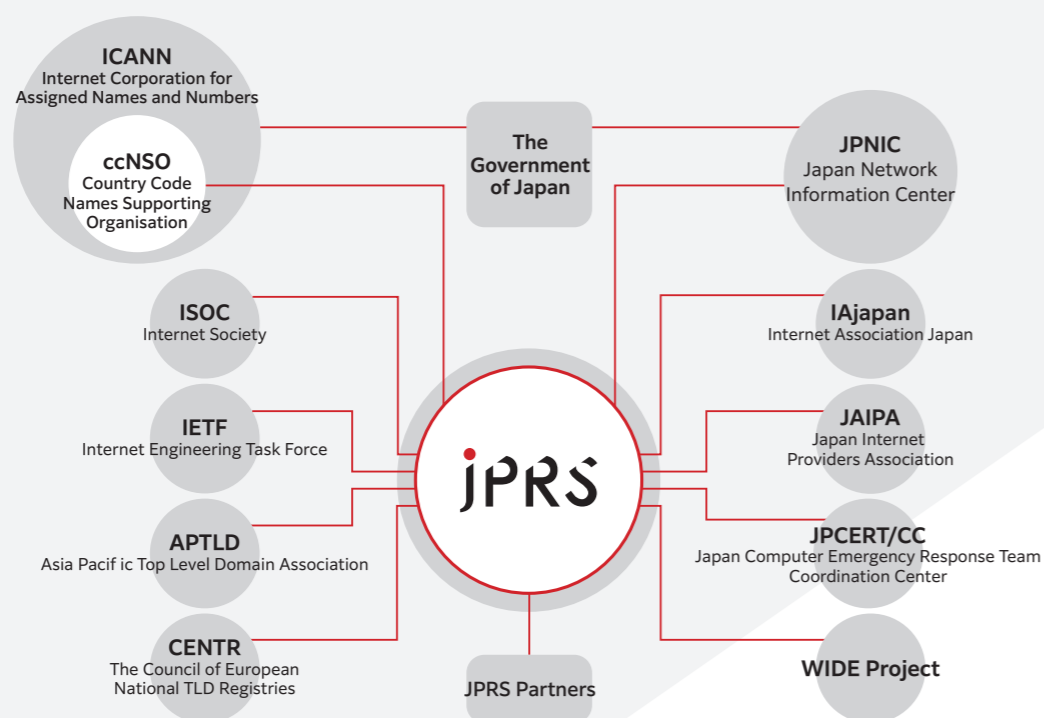
History

Year	Date	Event
2000	Dec 22	Resolution was adopted at 11th Japan Network Information Center (JPNIC) General Meeting to establish a new company for management and administration of the .JP Top Level Domain.
	Dec 26	Japan Registry Services Co., Ltd. (JPRS) was established.
2001	Feb 5	JPRS signed contract with JPNIC to handle registration of general-use JP domain names on behalf of JPNIC.
	Feb 22	JPRS started Preliminary Registration Application Period for general-use JP domain names.
	May 7	JPRS launched First-Come-First-Served Basis Registration Application Period for general-use JP domain names.
2002	Jan 30	The Government of Japan informed ICANN that it endorses the transfer of the management and administration of the .JP Top Level Domain from JPNIC to JPRS.
	Feb 27	JPRS and ICANN signed the ccTLD Sponsorship Agreement.
	Apr 1	The management and administration of the .JP Top Level Domain was transferred from JPNIC to JPRS.
2003	Jun 30	JPRS received approval regarding Internationalized Domain Name (IDN) service from ICANN.
2005	Dec 20	JPRS started joint operation of the M-Root DNS server with the WIDE Project.
2006	Apr 3	JPRS shortened the processing time for JP DNS update.
2007	Mar 4	"Procedure for recovering deleted domain name registration" was introduced for general-use JP domain names.
	Dec 4	IP Anycast technology was introduced to the JP DNS service.
2008	Mar 1	JP domain names surpassed 1 million.
2011	Jan 16	JPRS deployed DNSSEC in the JP domain name service.
2012	Nov 18	JPRS launched a new registration service of Prefecture Type JP domain names.
2013	Nov 1	JPRS established an office in Osaka.
2015	Jun 22	JPRS signed MoU with ICANN and JPNIC on Japanese translation of ICANN materials.
2016	Apr 26	JPRS started digital certificates issuance service.
	Jun 13	JPRS submitted a notification of the telecommunication business with the enforcement of the Law for Partial Revision to the Telecommunications Business Act, etc.
2017	Sep 1	General-use JP domain names surpassed 1 million.
	Oct 31	JPRS published a report of joint research with 8 ISPs of the electric power corporation group on continued use of the Internet in case of a large-scale disaster.
2018	Feb 1	JP domain names surpassed 1.5 million.
2019	Sep 25	JPRS acquired ISO 27001 certification.
2020	Jan 21	JPRS obtained WebTrust accreditation for Certification Authorities.
2021	Jul 12	JPRS commenced operation of the first local nodes for the JP DNS with 2 ISPs of the electric power corporation group.
2022	Jun 1	JP domain names surpassed 1.7 million.
	Sep 28	JPRS expanded the floor space of Tokyo Head Office.
2023	Nov 12	JPRS completed introduction of AuthCode (code required to change the registrar) for the JP domain name service.

Stockholders (alphabetical order)

ASJ INC.
GMO Internet Group, Inc.
Hitachi, Ltd.
IDC Frontier Inc.
Internet Initiative Japan Inc.
ITOCHU Techno-Solutions Corporation
Japan Network Information Center
KDDI CORPORATION
Mitsubishi Electric Information Network Corporation
NIPPON TELEGRAPH AND TELEPHONE EAST CORPORATION
NTT Communications Corporation
SAKURA Internet Inc.
Software Research Associates, Inc.
Sony Group Corporation
The Dai-ichi Life Insurance Company, Limited
TIS Inc.
Japan Registry Services Employee Stock Ownership/Executives

Member of

Asia Pacific Top Level Domain Association(APTLD)
CA/Browser Forum
Council of Anti-Phishing Japan
Council of European National Top Level Domain Registries(CENTR)
Country Code Names Supporting Organisation (ccNSO)
DNS Operations, Analysis, and Research Center(DNS-OARC)
DNS Operators' Group, Japan(DNSOPS.JP)
DotAsia Organisation Limited
ICT-ISAC
Internet Association Japan(IAjapan)
Internet Corporation for Assigned Names and Numbers(ICANN)
Internet Engineering Task Force(IETF)
Internet Society (ISOC)
Japan Association for Promotion of Internet Application in School Education(JAPIAS)
Japan Business Federation
Japan Internet Providers Association(JAIPA)
Japan Network Information Center(JPNIC)
JApan Network Operators' Group(JANOG)
Osaka Chamber of Commerce and Industry
Telecom Services Association
Telecommunication Technology Committee
Tokyo Chamber of Commerce and Industry
WIDE Project
World Wide Web Consortium(W3C)