

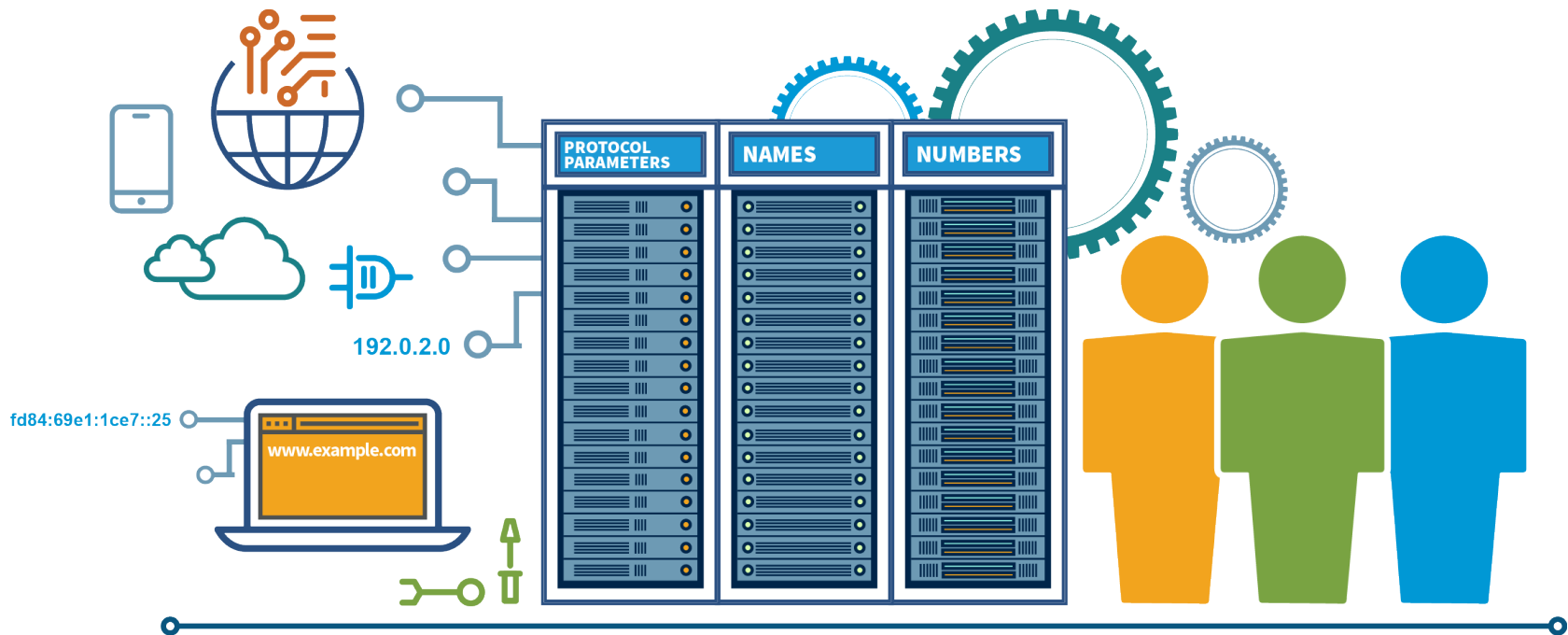


Introduction to ICANN

Samiran Gupta | May 2017

What does ICANN do?

Coordinating with our partners,
we help make the Internet work.



ICANN's Mission

Specifically, ICANN:

- ✓ Coordinates the allocation and assignment of **names in the root zone of the Domain Name System**
- ✓ Coordinates the development and implementation of **policies concerning the registration of second-level domain names in generic top-level domains (gTLDs)**
- ✓ Facilitates the coordination of the operation and **evolution of the DNS root name server system.**
- ✓ Coordinates the allocation and assignment at the top-most level of **Internet Protocol numbers and Autonomous System numbers**
- ✓ Collaborates with other bodies as appropriate to **provide registries needed for the functioning of the Internet** as specified by Internet protocol standards development organizations

The mission of the Internet Corporation for Assigned Names and Numbers (ICANN) is to **ensure the stable and secure operation of the Internet's unique identifier systems**

For more information



visit:
www.icann.org

Commitments and Core Values

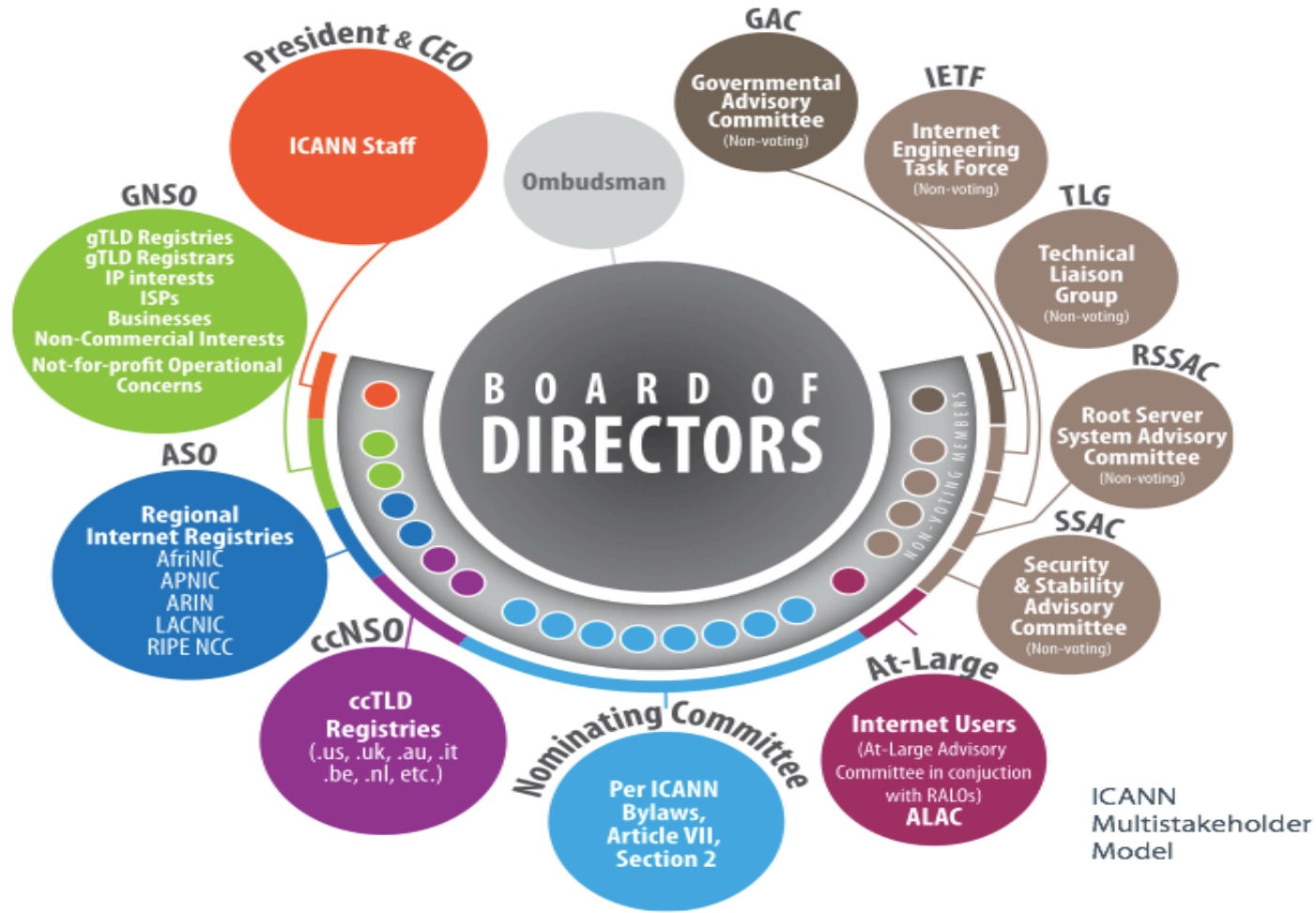
In performing its Mission, ICANN will act in a manner that complies with and reflects ICANN's Commitments and respects ICANN's Core Values

These Commitments and Core Values include:

- ⦿ Preserving and enhancing **stability, security, resiliency, and openness** of the DNS and the Internet
- ⦿ Employing **open, transparent and bottom-up**, multistakeholder policy development processes that are led by the private sector
- ⦿ Operating with **efficiency and excellence**, in a fiscally responsible and accountable manner



The ICANN Multistakeholder Community



Some of what ICANN organization does



Domain Name System

Co-ordinate the domain name system. The domain name system provides addressing for the Internet so people can find websites, send email, and other tasks. The ICANN organization also supports the stability of the DNS through its work, and also its contracts and accreditations.



Policy Development

The ICANN organization **supports** inclusive, open and transparent multi-stakeholder bottom-up consensus based policy development mechanisms.



L-Root

The ICANN organization **hosts and supports** one of the 13 Root infrastructures, also known as the "L"-Root. At over 150 locations worldwide, L-Root is critical to infrastructure that helps reduce latency and improves performance of the DNS.



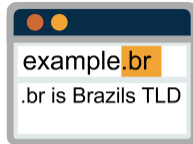
Support and Grow the Community

The ICANN organization engages, **nurtures and supports** interested stakeholders for active and meaningful participation in ICANN. ICANN connects with stakeholders through outreach and engagement, and meeting & event support.



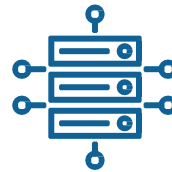
Generic Top-Level Domains

The ICANN organization **manages** the domain name system's top-level domains. ICANN helps promote competition and choice in the gTLD marketplace.



Country Code Top-Level Domains

The ICANN organization **delegates** top-level domains identified with a country code. Management is done by national ccTLD operators.



Protocol Parameters

The ICANN organization, in coordination with the Internet Engineering Task Force, manages protocol parameters by maintaining many of the codes and numbers used in Internet protocols.



Internet Protocol Addresses

By serving as the central repository for IP addresses, the ICANN organization helps coordinate how IP addresses are supplied – preventing repetition and conflicts.

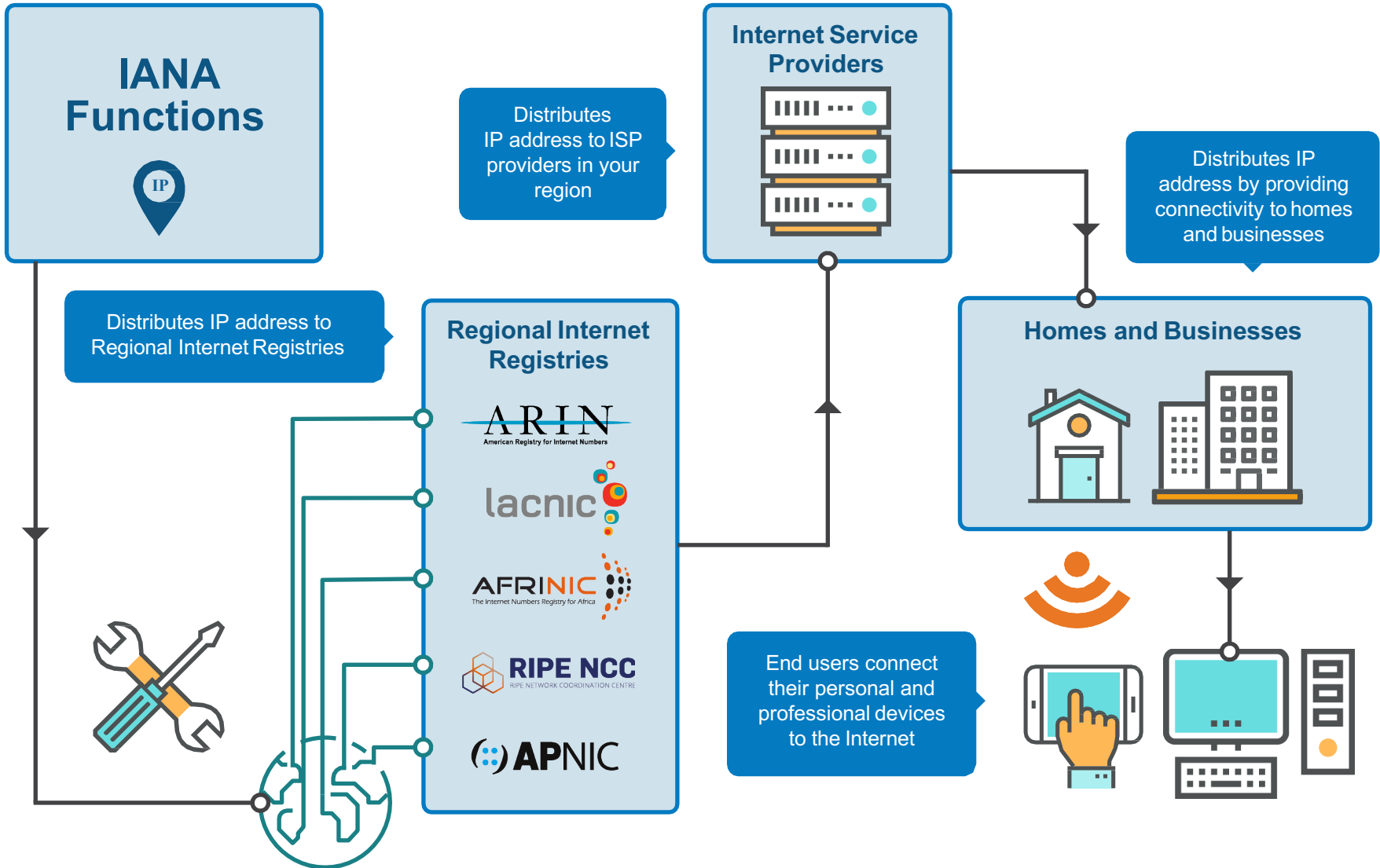


Root Zone Management

The ICANN organization helps manage the root zone through the IANA functions, which involves assigning the operators of top-level domains, such as .bank and .com, and maintaining the technical and administrative details.

IANA Functions

How Internet Protocol (IP) addresses are distributed



A world map where the continents are defined by a network of white dots connected by thin white lines, set against a solid orange background. The dots vary in size, and the lines form a complex web across the globe.

Discussion: How can ICANN support the community in Nepal

Some Ideas

- **Engagement in the Generic Names Supporting Organization (GNSO)**
 - **In the contracted parties**
 - Registry and Registrar stakeholder groups
 - **In the non-contracted parties commercial stakeholders group**
 - Business Constituency (BC)
 - Internet Service Providers and Connectivity Providers (ISPCP)
 - Intellectual Property
 - **In the non-contracted parties non-commercial stakeholders group**
 - Non Commercial Users Constituency (NCUC)
 - Not-for-Profit Operational Concerns (NPOC)
- **Engagement in the Advisory Committees**
 - **At Large Advisory Committee**
 - **Security and Stability Advisory Committee**
 - **Root Server Systems Advisory Committee**
- **ICANN Readout sessions**

Thank you and Questions



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