Internet/Intranet/Extranet

Elementrix Classes

Internet / Intranet / Extranet

Internet, intranet, and extranet are three interconnected but distinct concepts related to networking and communication technologies. Here's an overview of each:

1. **Internet:**
❏ The internet is a global network of interconnected computers and devices that use standardized communication protocols to exchange data and information.

❏ It is a public network that spans the globe, allowing users to access resources, services, and information from virtually anywhere with an internet connection.

- ❏ The internet enables various applications and services, including web browsing, email, social media, online banking, e-commerce, and cloud computing.
- ❏ It operates on a decentralized architecture, with multiple interconnected networks, routers, and servers managed by various organizations and internet service providers (ISPs).
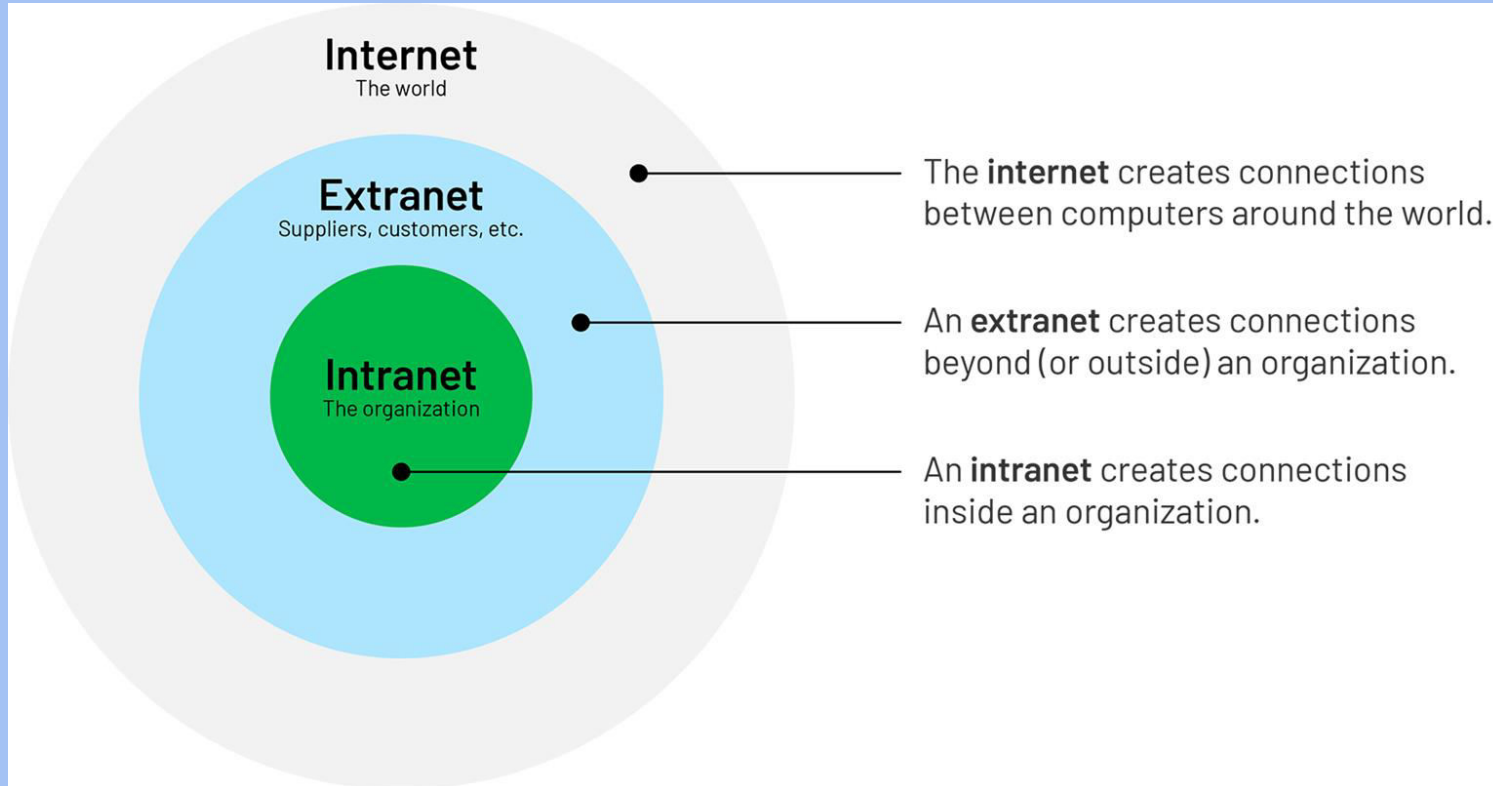
2. Intranet:

An intranet is a private network that uses internet technologies and protocols to facilitate communication, collaboration, and information sharing within an organization.

- ❏ It is accessible only to authorized users within the organization and is typically used for internal purposes such as document management, employee directories, corporate communications, and collaboration tools.

- ❏ Intranets often include features such as user authentication, access control, content management systems (CMS), and enterprise search capabilities.

- ❏ Intranets help streamline internal communication, improve employee productivity, and centralize organizational information and resources.

3. Extranet:

❏ An extranet is a controlled extension of an organization's intranet that provides limited access to external users, such as customers, partners, suppliers, or vendors.

❏ It allows authorized external users to securely access specific resources, services, or information hosted on the organization's network, typically over the internet.

❏ Extranets facilitate collaboration, communication, and data sharing between an organization and its external stakeholders while maintaining security and privacy controls.

❏ Examples of extranet applications include customer portals, supplier portals, partner collaboration platforms, and online procurement systems.

Internet
The world

Extranet
Suppliers, customers, etc.

Intranet
The organization

The **internet** creates connections between computers around the world.

An **extranet** creates connections beyond (or outside) an organization.

An **intranet** creates connections inside an organization.

In summary, the internet is a global network accessible to the public, while intranets and extranets are private networks used within organizations for internal communication and collaboration (intranet) and for extending collaboration to external partners (extranet), respectively. Each serves specific purposes and offers distinct features tailored to the needs of organizations and their stakeholders.

पढ़िए और पढ़ाइये

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