

The Power of Networks

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Networks are the _____ of the digital economy, enabling data and services to flow _____ the world. In 2023, _____ networks will become more powerful, diverse and intelligent, _____ new possibilities for businesses and consumers. Some examples of how networks will transform various domains are:

Cloud computing: Cloud service providers will _____ AI and new chip designs to offer faster, cheaper and more secure cloud solutions.

Energy: Utilities will use smart grids and _____ energy sources to reduce emissions and increase efficiency.

Communication: Cable television networks will offer more content, quality and interactivity to their customers.

Computing: Edge computing will bring computation closer to the data sources, reducing _____ and bandwidth requirements.

Networks are the key to _____ the potential of the future.

✔ Comprobar

- backbone
- renewable
- leverage
- unlocking
- unlocking
- across
- latency

Glossary

1. **Backbone** - (noun) the main part of a network that connects all the different parts together and enables communication between them. *(columna vertebral)*
2. **Bypass**: to avoid or go around something, often a rule or a procedure, in order to achieve a goal or to get something done faster. *(burlar, saltar)*
3. **Censorship**: the suppression or prohibition of any parts of books, films, news, etc. that are considered obscene, politically unacceptable, or a threat to security. *(censura)*
4. **Collaboration** - (noun) working together with others to achieve a common goal or objective.
5. **Dive into**: to completely immerse oneself in something, usually an activity or a topic. *(sumergirse completamente)*
6. **Efficiently** - (adverb) in a way that gets things done quickly and with minimal waste of time or resources.
7. **Edge computing** - (noun) a method of processing data where the computation is performed locally, near the source of the data, rather than in a centralized location. *(computación perimetral)*
8. **In-demand** - (adjective) describes a job or skill that is currently in high demand from employers.

9. **Interconnected** - (adjective) describes devices or computers that are connected to each other and can communicate and share resources.
10. **Latency** - (noun) the delay between a request for data and the response to that request, often due to distance or network congestion. (*latencia*)
11. **Leverage** - (verb) to use something to maximum advantage; to gain an advantage by using a particular resource or tool. (*apalancar*)
12. **Network Administrator** - (noun) a critical role in ensuring the smooth day-to-day operations of a network, responsible for configuring network devices, monitoring network performance, and troubleshooting issues.
13. **Network Analyst** - (noun) responsible for monitoring network performance and identifying areas for improvement, troubleshoot issues as they arise and implement solutions, and communicate findings and recommendations to other members of the team.
14. **Network Engineer** - (noun) responsible for designing and implementing networks that meet the specific needs and requirements of an organization, selecting the appropriate hardware and software, configuring network devices, and testing the network.
15. **Network Security Specialist** - (noun) responsible for configuring firewalls, implementing encryption, and monitoring network traffic for any suspicious activity to ensure network security and integrity.
16. **Resource sharing** (noun) the act of allowing multiple devices to use the same resources, such as printers, scanners or internet connections.
17. **Regardless**: without regard or consideration for something else; despite the fact that something else exists or might be considered. (*independientemente, sin importar*)
18. **Scalable** - (adjective) describes a system or network that can grow or shrink as needed to meet the demands of the users.
19. **Shrink**: to become smaller in size or amount; to reduce in size or amount. (*encoger, reducir*)
20. **Smart grids** - (noun) an electrical grid that uses digital technology to detect and react to changes in power demand and supply in real-time, often incorporating renewable energy sources. (*redes inteligentes*)
21. **Unlocking** - (verb) to remove restrictions or limitations, allowing something to reach its full potential. (*desbloquear*)