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SAFE-6G Project: Pioneering a Secure, User-Centric Future for 6G Networks



SAFE-6G Project Announces Adoption of ETSI OpenCAPIF Release 1

The SAFE-6G project is proud to announce the adoption of ETSI's recently launched OpenCAPIF Release 1 (https://ocf.etsi.org/news/20240709_etsi_announces_opencapif_release_1/), a groundbreaking development in the field of communication technologies. This strategic move underscores SAFE-6G's commitment to leveraging cutting-edge standards to propel the future of secure and efficient 6G networks.

The European Telecommunications Standards Institute (ETSI) unveiled OpenCAPIF Release 1 on July 9, 2024. This new release is a pivotal milestone aimed at standardizing the interface for communication and application services, ensuring interoperability, and enhancing the overall ecosystem of 6G technologies. OpenCAPIF (Open Communication and Application Programming Interface Framework) offers a robust framework that addresses the complexities of next-generation networks and fosters innovation and seamless integration across diverse platforms.

Highlights of ETSI OpenCAPIF Release 1:

- **Interoperability:** Ensures seamless integration across different systems and devices, facilitating a cohesive 6G environment.
- **Standardization:** Provides a unified framework for communication interfaces, reducing fragmentation and promoting consistency.



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- **Innovation:** Encourages the development of new applications and services, driving technological advancements and enhancing user experiences.
- **Security:** Integrates advanced security features to safeguard data and communication channels, aligning with the stringent security requirements of 6G networks.

OpenCAPIF is crucial in the SAFE-6G framework by facilitating the consistent exposure of APIs related to service mesh networking and AI-resource orchestration. This capability allows the Cognitive Trustworthiness Framework to gain real-time awareness of the network's runtime conditions. As a result, it can make necessary adaptations to ensure and sustain a predefined level of trust throughout the system.

The SAFE-6G project, dedicated to advancing the security and efficiency of 6G technologies, recognizes the immense potential of OpenCAPIF Release 1 in achieving its mission. By incorporating this standard, SAFE-6G aims to enhance the reliability, interoperability, and security of 6G networks, paving the way for a more connected and secure digital future.

About SAFE-6G:

The SAFE-6G project is an innovative initiative focused on enhancing the security, reliability, and efficiency of 6G networks. Through research, development, and collaboration with industry leaders and standardization bodies, SAFE-6G aims to shape the future of global communication technologies.

About ETSI:

The European Telecommunications Standards Institute (ETSI) is an independent, not-for-profit organization that develops globally applicable standards for Information and Communications Technologies (ICT). ETSI's standards support the deployment of key global technologies and address the needs of a connected world.

