

A photograph of a server room with rows of server racks. The racks are illuminated with blue and white lights, creating a futuristic and high-tech atmosphere. The perspective is from a low angle, looking down a long aisle between the racks.

Rising Threat: Deepfakes and National Security in the Age of Digital Deception

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Capabilities of Deepfakes

Deepfakes use artificial deep neural network technologies to develop false but realistic looking text, images, videos, and audio media.



Not Jennifer Coolidge saying "the Oscar goes to..." at the Golden Globes 😂😂



I am using speechify to deepfake Snoop Dogg's voice. If not paid attention to clearly, it would be hard to tell that I am not really Snoop Dogg himself.

Threats to
National
Security and
Potential
Consequences

- Civil unrest within a country can have adverse implications for national security, potentially encouraging foreign adversaries to exploit the turmoil.



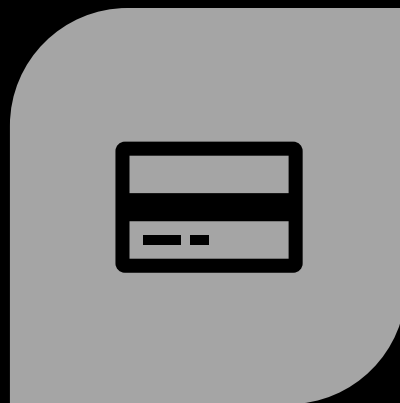
The Implication of Executive Order 14110 with Respect to Deepfakes and More

Biden's Executive Order addresses AI and deepfake issues comprehensively, securing national security, financial stability, and public policy. It strengthens laws, intensifies privacy protection, and fortifies national security measures.

Mitigating Threats and Possible Solutions



AN OVERARCHING SOLUTION TO ADDRESS DEEPFAKE-RELATED CONCERNS INVOLVES PROACTIVELY PREDICTING AND PREVENTING DEEPFAKE ATTACKS.



HOWEVER, CONSIDERING THE CURRENT ABSENCE OF SUCH A SOLUTION, PROMOTING MEDIA LITERACY AND CRITICAL THINKING BECOMES EVEN MORE URGENT



Importance of Further Research and Attention

Biden's order is a positive step, yet more legislation and in-depth research are vital to match AI's swift progress. Collaboration among academia, industry, and government is essential to outpace evolving deep fake tech.

Conclusion

- Enhanced research and broader awareness are crucial for understanding societal changes. Biden's initiative underscores the need for collective efforts ensuring safety and progress for all, nationally and globally.

