

Artificial Intelligence: CRS Products

Updated February 12, 2025

Advances in artificial intelligence (AI) technologies—including machine learning, generative AI, and facial recognition technologies—are demonstrating many potential benefits across a variety of sectors of the U.S. economy. At the same time, the rapid innovation and proliferation of AI tools have generated concern over their potential disruptive effects, such as generation and dissemination of misinformation, potential shifts in jobs and employment opportunities, and social, ethical, and security risks. Previous Congresses considered a variety of policies and legislation associated with AI technologies and their applications. With interest in AI remaining high, Members of the 119th Congress may continue to engage in AI policymaking. To assist Congress, CRS has produced a range of written and audiovisual products. Below is a selection of CRS products on AI-related policy and legal issues, legislation, and executive branch actions.

Selected AI CRS Products

AI Overview

CRS Report R48262, *Artificial Intelligence: CRS Experts and Points of Contact*

CRS Video WVB00685, *Science and Technology Q&A: Regulating Artificial Intelligence* (or, in podcast form, CRS Report WPD00096, *Science and Technology Q&A: Regulating Artificial Intelligence*)

CRS Video WVB00650, *Current Issues in Artificial Intelligence*

CRS Video WVB00615, *Artificial Intelligence: Recent Advances and Issues for Congress*

CRS Report R47644, *Artificial Intelligence: Overview, Recent Advances, and Considerations for the 118th Congress*

CRS Report WPD00050, *CRS Science and Technology Podcast: Artificial Intelligence*

CRS Report R46795, *Artificial Intelligence: Background, Selected Issues, and Policy Considerations*

Generative AI

CRS Legal Sidebar LSB11097, *Section 230 Immunity and Generative Artificial Intelligence*

Congressional Research Service

<https://crsreports.congress.gov>

IN12458

CRS Legal Sidebar LSB10922, *Generative Artificial Intelligence and Copyright Law*

CRS In Focus IF12426, *Generative Artificial Intelligence: Overview, Issues, and Questions for Congress*

CRS Report R47569, *Generative Artificial Intelligence and Data Privacy: A Primer*

CRS Video WVB00580, *Copyright Law and Generative Artificial Intelligence*

CRS Video WVB00554, *Science and Technology Q&A: Generative AI and Data Privacy*

AI Executive Order 14110 (rescinded January 20, 2025)

The following products pertain to Executive Order (E.O.) 14110, “Safe, Secure, and Trustworthy Development and Use of Artificial Intelligence,” which was rescinded on January 20, 2025, by E.O. 14148, “Initial Rescissions of Harmful Executive Orders and Actions.” The original versions of the products below also predate and do not necessarily address E.O. 14179, “Removing Barriers to American Leadership in Artificial Intelligence,” signed January 23, 2025.

CRS Report R47843, *Highlights of the 2023 Executive Order on Artificial Intelligence for Congress*

CRS Insight IN12308, *The AI Executive Order and Considerations for Federal Privacy Policy*

CRS Insight IN12289, *Law Enforcement Use of Artificial Intelligence and Directives in the 2023 Executive Order*

CRS Insight IN12286, *The AI Executive Order and Its Potential Implications for DOD*

AI and Defense

See also AI E.O. 14110 (rescinded January 20, 2025)

CRS Report R47599, *AUKUS Pillar 2 (Advanced Capabilities): Background and Issues for Congress*

CRS Report R46458, *Emerging Military Technologies: Background and Issues for Congress*

CRS In Focus IF11105, *Defense Primer: Emerging Technologies*

CRS Report R47188, *Unmanned Aircraft Systems: Roles, Missions, and Future Concepts*

AI and Elections

CRS Insight IN12222, *Artificial Intelligence (AI) and Campaign Finance Policy: Recent Developments*

CRS In Focus IF12468, *Artificial Intelligence (AI) in Federal Election Campaigns: Legal Background and Constitutional Considerations for Legislation*

AI and Finance

CRS Video WVB00681, *Artificial Intelligence in Financial Services*

CRS Report R47997, *Artificial Intelligence and Machine Learning in Financial Services*

CRS In Focus IF12399, *Automation, Artificial Intelligence, and Machine Learning in Consumer Lending*

AI and Right of Publicity

CRS Video WVB00696, *The Right of Publicity and Artificial Intelligence*

CRS Legal Sidebar LSB11052, *Artificial Intelligence Prompts Renewed Consideration of a Federal Right of Publicity*

Facial Recognition

CRS Report R47541, *Immigration: The U.S. Entry-Exit System*

CRS In Focus IF11333, *Deep Fakes and National Security*

CRS Video WVB00328, *Law Enforcement Use of Facial Recognition Technology*

CRS Report R46586, *Federal Law Enforcement Use of Facial Recognition Technology*

CRS Report R46541, *Facial Recognition Technology and Law Enforcement: Select Constitutional Considerations*

AI and Other Sectors

CRS Report R48319, *Artificial Intelligence (AI) in Health Care*

CRS In Focus IF12762, *The Macroeconomic Effects of Artificial Intelligence*

CRS Legal Sidebar LSB11251, *Artificial Intelligence and Patent Law*

CRS In Focus IF11783, *Biometric Technologies and Global Security*

CRS Video WVB00708, *Disruptive Technology Series: Internet Policy in the Artificial Intelligence Era*

CRS Video WVB00697, *Professional Ethics: Rules of Conduct and Artificial Intelligence*

CRS Report R47849, *Artificial Intelligence in the Biological Sciences: Uses, Safety, Security, and Oversight*

CRS Video WVB00642, *Science and Technology Q&A: Artificial Intelligence in the Biological Sciences*

CRS In Focus IF12497, *Semiconductors and Artificial Intelligence*

Author Information

Laurie Harris
Analyst in Science and Technology Policy

Rachael D. Roan
Senior Research Librarian

Disclaimer

This document was prepared by the Congressional Research Service (CRS). CRS serves as nonpartisan shared staff to congressional committees and Members of Congress. It operates solely at the behest of and under the direction of Congress. Information in a CRS Report should not be relied upon for purposes other than public understanding of information that has been provided by CRS to Members of Congress in connection with CRS's institutional role. CRS Reports, as a work of the United States Government, are not subject to copyright protection in the United States. Any CRS Report may be reproduced and distributed in its entirety without permission from CRS. However,

as a CRS Report may include copyrighted images or material from a third party, you may need to obtain the permission of the copyright holder if you wish to copy or otherwise use copyrighted material.