
Three Recent Chrome Updates Address 1,442 Security Flaws

Description

Google recently announced the resolution of an astonishing 1,072 security vulnerabilities in Chrome versions 149 and 150, a number surpassing all fixes made in the previous 23 updates combined. This surge in reported flaws underscores the increasingly perilous nature of browser security.

Both versions of Chrome were launched last month. The latest update, Chrome 151, released on Wednesday, addressed 370 vulnerabilities, of which 349 were identified by Google's own security teams. Among these, seven vulnerabilities have been classified as critical, posing significant risks to users.

This uptick in vulnerabilities arises amidst a remarkable increase in the discovery of such flaws, largely driven by advancements in large language models (LLMs). These technologies have expedited the identification of bugs, leading to a situation where new issues are flagged more rapidly than companies can address them. As of 2026, the U.S. National Vulnerabilities Database has recorded 46,872 flaws, nearing the annual total of 49,920 vulnerabilities from 2025.

One notable issue identified in the Chrome codebase was a critical sandbox escape that could have allowed unauthorized access to user files. Google reported that this severe flaw had been hidden in its source code for over 13 years before being discovered through its Gemini models and subsequently patched in March.

To enhance its response to these growing threats, Google is moving towards a bi-weekly release cycle for major updates and is testing a new strategy involving two security releases per week to combat rapid, AI-powered attacks. The company emphasised that all security vulnerabilities are documented and publicly disclosed to foster transparency.

Additionally, Google is working to automate the generation of release notes and vulnerability descriptions to expedite patch deployment. It aims to introduce dynamic patching, allowing updates to be applied without requiring a complete browser restart. This innovation would improve user experience while strengthening security.

Furthermore, the company is committed to removing entire categories of security vulnerabilities by enhancing the runtime environment and transitioning to safer programming languages. By automating updates for third-party dependencies, Google seeks to ensure that all components of Chrome remain secure. Overall, these strategies are designed to protect users more effectively against potential threats.

Vocabulary List:

1. **vulnerability** //ˌvʌlnərə'bɪləti// (noun): a weak part of software that can be attacked
2. **perilous** //ˈpɛrələs// (adjective): very dangerous and likely to cause harm
3. **surge** //sɜːdʒ// (noun): a sudden large increase in number or amount



4. **sandbox** //ˈsænd,baks// (noun): a protected computer area for running code
5. **patched** //pætʃt// (verb): fixed a problem in software or system
6. **transparency** //trænsˈpærənsi// (noun): openness that allows people to see information

Comprehension Questions

Multiple Choice

1. How many security vulnerabilities were announced by Google for Chrome versions 149 and 150?
Option: 370
Option: 1,072
Option: 46,872
Option: 49,920
2. When was the latest update for Chrome, version 151, released?
Option: Last month
Option: This week
Option: Next month
Option: Two weeks ago
3. How many vulnerabilities did Chrome 151 address?
Option: 370
Option: 1,072
Option: 349
Option: 7
4. What significant advancement has led to an increase in the discovery of browser vulnerabilities?
Option: New programming languages
Option: Large language models
Option: Automated testing
Option: User feedback
5. How many flaws had the U.S. National Vulnerabilities Database recorded as of 2026?
Option: 46,872
Option: 49,920
Option: 1,072
Option: 370



6. What is Google testing to combat rapid, AI-powered attacks?

Option: Daily updates

Option: Longer release cycles

Option: Bi-weekly release cycles and two security releases per week

Option: Automatic updates

True-False

7. Google's Chrome versions 149 and 150 surpassed all fixes made in the previous 23 updates combined.

8. All vulnerabilities are disclosed to ensure maximum secrecy.

9. The critical sandbox escape flaw was discovered through Gemini models.

10. Google is moving towards a monthly release cycle for major updates.

11. Dynamic patching allows updates to be applied without a complete browser restart.

12. The total vulnerabilities reported in 2025 was lower than in 2026.

Gap-Fill

13. Google announced the resolution of an astonishing 1,072 security vulnerabilities in Chrome versions 149 and 150, surpassing all fixes made in the previous 23 updates _____.

14. The latest update, Chrome 151, released on _____ addressed 370 vulnerabilities.

15. This surge in reported flaws underscores the increasingly perilous nature of browser _____.

16. The U.S. National Vulnerabilities Database recorded 46,872 flaws, nearing the annual total of _____ from 2025.

17. Google aims to introduce _____ patching, allowing updates without requiring a



complete browser restart.

18. To enhance its response to growing threats, Google is moving towards a bi-weekly release

_____ for major updates.

Answer

Multiple Choice: 1. 1,072 2. This week 3. 370 4. Large language models 5. 46,872 6. Bi-weekly release cycles and two security releases per week

True-False: 7. True 8. False 9. True 10. False 11. True 12. False

Gap-Fill: 13. combined 14. Wednesday 15. security 16. 49,920 17. dynamic 18. cycle

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. What does vulnerability refer to in the context of software?

- Option: A glitch
- Option: A weakness
- Option: A feature
- Option: A restriction

2. What type of situation is described as perilous?

- Option: Safe
- Option: Risky
- Option: Predictable
- Option: Routine

3. What is a surge usually associated with?

- Option: Decrease
- Option: Increase
- Option: Stability
- Option: Maintenance

4. In software development, what is the primary purpose of a sandbox?

- Option: To store data
- Option: To test code safely
- Option: To create a backup



Option: To automate processes

5. What does it mean when software is patched?

Option: It is deleted

Option: It is improved by fixing bugs

Option: It is upgraded to a new version

Option: It is released to the public

6. Why is transparency important in organizations?

Option: It leads to confusion

Option: It builds trust

Option: It reduces communication

Option: It hides information

7. What does it mean to replicate a study?

Option: To conduct it in a different way

Option: To repeat it under the same conditions

Option: To analyze the data

Option: To summarize the findings

8. What characteristic is typical of roguelike games?

Option: Static levels

Option: Randomly generated elements

Option: High-level graphics

Option: Multiplayer focus

9. What type of change is described as incremental?

Option: Small and gradual

Option: Large and abrupt

Option: Unmeasurable

Option: Irregular

10. Which of the following best describes something that is burdensome?

Option: Lightweight

Option: Easy to manage

Option: Difficult to handle

Option: Enjoyable

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)



11. In psychology, _____ refers to the ability to understand and share the feelings of others.
12. The new software update included a significant performance _____ to improve speed.
13. To improve efficiency, engineers planned to _____ new technologies into the existing system.
14. The artist created an _____ design that captivated the viewers with its complexity.
15. The company offered _____ support to cater to clients from various countries.
16. The researchers expanded the _____ of their study to include more variables.
17. The initiative focused on _____ the urban landscape to make it more eco-friendly.
18. The school encouraged students to engage in scientific _____ by asking questions and conducting experiments.
19. The company developed an _____ model to automate data analysis and decision-making.
20. Wildlife _____ is crucial for maintaining biodiversity and protecting endangered species.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. Debugging is the process of identifying and removing errors from computer software.
22. A subscription model allows users to pay a recurring fee for access to a service.
23. A franchise grants the right to operate a business under a recognized brand name.
24. Making hasty decisions can have serious repercussions for a business.



25. Employee attrition can affect the company's performance if not managed properly.
26. Distrust can undermine relationships and lead to communication breakdowns.
27. Speculation often drives market trends and can create investment opportunities.
28. The concept of adjacency is important in fields like mathematics and geography.
29. Climbing the mountain without proper gear can be a perilous adventure.
30. The game generated levels procedurally, which provided a unique experience each time.

Answer

Multiple Choice: 1. A weakness 2. Risky 3. Increase 4. To test code safely 5. It is improved by fixing bugs 6. It builds trust 7. To repeat it under the same conditions 8. Randomly generated elements 9. Small and gradual 10. Difficult to handle

Gap-Fill: 11. empathy 12. enhancement 13. integrate 14. intricate 15. multilingual 16. scope 17. transforming 18. inquiry 19. algorithmic 20. conservation

Matching sentence: 1. debugging 2. subscription 3. franchise 4. repercussions 5. attrition 6. undermines 7. speculation 8. adjacency 9. perilous 10. procedurally

CATEGORY

1. Sci/Tech - LEVEL6

POST TAG

1. chrome releases
2. esl news
3. ESL reading
4. Level 6
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