

State of Post-Quantum Security coverage

How the technology press covers this topic set

40 topics measured • Window: Full history • Apr 2025 – Jul 2026 • 1,459 articles • As of 28 Jul 2026

This is a **Lens Report** covering **Post-Quantum Security** — a measurement of how the technology press covered the **40 topics** listed below, between **Apr 2025** and **Jul 2026**, across **1,459** articles.

How to read this report: Compass reads a curated panel of technology outlets — the same panel, at the same steady pace, month after month — and counts and classifies what the press publishes about the topics in this lens: attention, story types, direction, and what's covered together. Every figure is a measurement of that coverage — not a ranking of the products, and not advice — and each traces to a dated, cited article. The pattern is the product; the conclusions stay yours.

THE READ IN 60 SECONDS

- Most-covered topic** quantum computing — 18.4% of the lens's coverage
- Fastest-gaining** D-Wave Quantum Inc — gaining coverage
- Attention concentration** The top 3 topics hold 35% of the coverage
- Strongest connection** cryptography + quantum cryptography — covered together in 7 articles

What not to over-read: this measures press coverage — not adoption, revenue, or quality.

Topics in this lens • 40

quantum computing technology	18.4%	CMEK technology	1.3%
post-quantum cryptography technology	9.7%	AES 256-bit encryption technology	1.1%
encryption technology	6.4%	AES-256 encryption technology	1%
IQM Quantum Computers company	5.5%	Device Encryption technology	1%
end-to-end encryption technology	5.3%	torrenting technology	0.8%
quantum computers technology	5.1%	BitLocker device encryption technology	0.8%
quantum error correction technology	4.6%	quantum cryptography technology	0.7%
AES technology	4.4%	post-quantum security technology	0.5%
D-Wave Quantum Inc company	4.4%	Advanced Encryption Standard standard	0.4%
cryptography technology	3.2%	AWS Payment Cryptography product	0.4%
RSA technology	3.2%	client-side encryption technology	0.4%
Xanadu company	2.9%	public key cryptography technology	0.4%
Quantum Key Distribution technology	2.8%	Elliptic Curve Diffie-Hellman technology	0.3%
Google Quantum AI organization	2.6%	asymmetric cryptography technology	0.3%
Quantum Fiber company	2.4%	Confidential Computing Consortium organization	0.3%
confidential computing technology	2.2%	NVIDIA Confidential Computing technology	0.3%
post-quantum technology	1.9%	Sparse Post-Quantum Ratchet technology	0.3%
post-quantum encryption technology	1.7%	Azure confidential computing technology	0.1%
elliptic curve cryptography technology	1.6%	GPU Confidential Computing technology	0.1%
fully homomorphic encryption technology	1.4%	MongoDB Cryptography Research Group organization	0.1%

BOTTOM LINE

In Post-Quantum Security coverage across the full history from April 2025 through July 2026, the press treats the area less as a narrow post-quantum-cryptography beat than as a moderately concentrated quantum-computing-led cryptography story carried by announcements and comparisons.

Key findings

- Across 1,459 articles, the three most-covered subjects account for about 34% of coverage, a moderate concentration that leaves room for many visible subjects rather than a single dominant narrative.
- Quantum computing is the lead subject at 18.4% and is gaining coverage, meaning its recent attention is rising, while post-quantum cryptography is second at 9.7% and cooling, meaning its recent attention is falling.
- Story type means article format: news and updates make up 41%, launches 31%, and partnerships 13%, so the press frames the area through activity markers more than through evaluation.
- Claim stage means the progress level attributed in an article; 72% of coverage sits at announcement and 18% at launch, which makes the public story declaration-led rather than result-led.
- Framing read means tone: 89% of articles are neutral and 9% promotional, while critical and skeptical coverage each account for 1%, so the coverage is descriptive rather than polarized.
- Covered together means appearing in the same article; the strongest full-history pairing is post-quantum cryptography with RSA at 10 articles, followed by elliptic curve cryptography with RSA at 8, making comparison the clearest bridge.

What Compass measured

This report describes how the technology press COVERED the 40 topics and companies in this lens over full history — which drew the most coverage, which are gaining or cooling, what's covered together, and how concentrated attention is. It measures coverage patterns, not the products.

Coverage leaders

Coverage is anchored by quantum computing at 18.4%, followed by post-quantum cryptography at 9.7% and encryption at 6.4%. Because the top three together take about 34%, attention is led but not locked; after the long tail is accounted for, the spread resembles about 15 equally visible subjects. The article mix reinforces that structure because news and updates at 41%, launches at 31%, and partnerships at 13% distribute attention across activity markers rather than concentrating it around evaluation.

Topic	Type	Share	Direction
quantum computing	technology	18.4%	gaining
post-quantum cryptography	technology	9.7%	cooling
encryption	technology	6.4%	gaining
IQM Quantum Computers	company	5.5%	steady
end-to-end encryption	technology	5.3%	cooling
quantum computers	technology	5.1%	cooling
quantum error correction	technology	4.6%	cooling
AES	technology	4.4%	cooling

Topic	Type	Share	Direction
D-Wave Quantum Inc	company	4.4%	gaining
cryptography	technology	3.2%	cooling
RSA	technology	3.2%	cooling
Xanadu	company	2.9%	cooling
Quantum Key Distribution	technology	2.8%	gaining
Google Quantum AI	organization	2.6%	cooling
Quantum Fiber	company	2.4%	steady
confidential computing	technology	2.2%	gaining

Momentum shifts

Momentum, meaning whether a subject is taking more or less of recent coverage, favors quantum computing, encryption, and confidential computing. The cooling side includes post-quantum cryptography, end-to-end encryption, and quantum computers, which is why the coverage reads as a rotation in terminology rather than a withdrawal from security framing. At the edge, D-Wave Quantum Inc is gaining and IQM Quantum Computers is steady at 5.5%, so company coverage remains visible but secondary to the topic-led pattern.

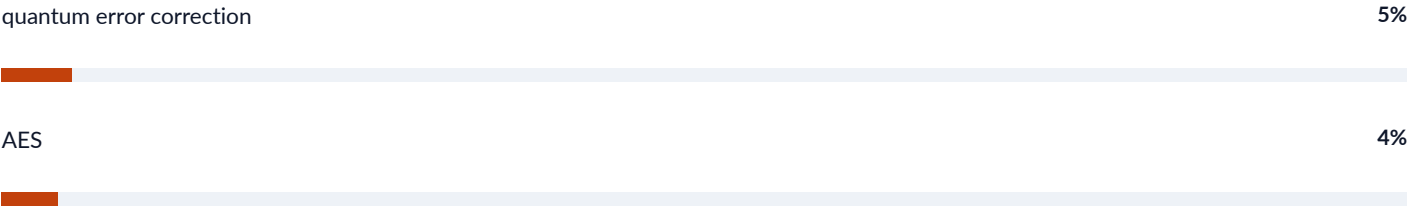
- GAINING COVERAGE
- D-Wave Quantum Inc
 - encryption
 - confidential computing
 - quantum computing
 - Device Encryption
 - CMEK
 - Quantum Key Distribution
 - Azure confidential computing

- COOLING
- post-quantum cryptography
 - quantum error correction
 - Xanadu
 - elliptic curve cryptography
 - quantum computers
 - end-to-end encryption
 - AES
 - Google Quantum AI

Coverage mix over time

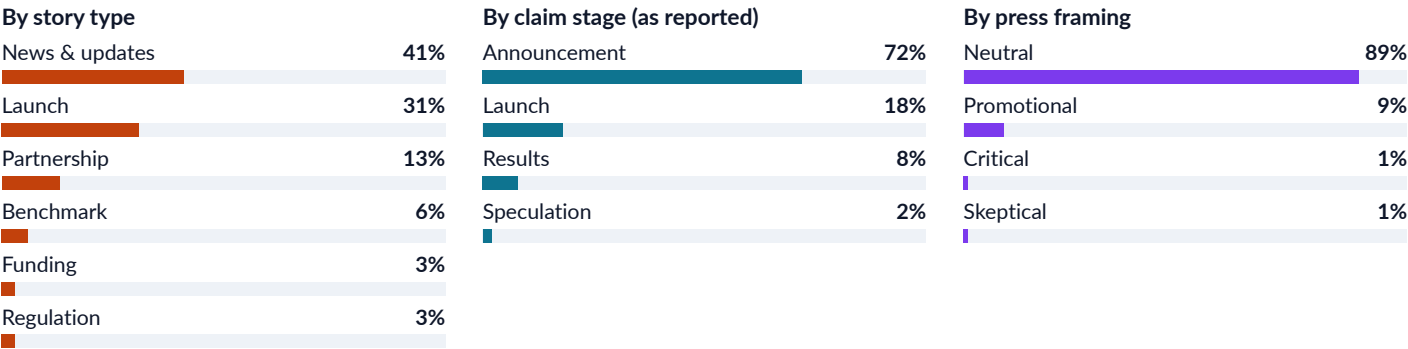
Top-3 topics ≈ 34% of the lens's coverage, across ≈ 15 effective players — a measure of how concentrated attention is across the set.





What the coverage is made of

Pooled across the whole lens — the kinds of stories the press runs, how far the reported work has progressed (as the press claims), and the framing.



Covered together

Covered together means both subjects appear in the same article; across the full article history, post-quantum cryptography and RSA share 10 articles, while elliptic curve cryptography and RSA share 8. Those pairings put RSA at the center of the cryptography cluster, the group of subjects the press repeatedly treats together, which is why the connections reinforce a comparative-cryptography reading. The same cluster also links cryptography, quantum cryptography, and quantum computing; the 7-article bridges around quantum cryptography show that connected coverage is present but selective.

Pairs the press most often covers in the same stories — a measurement of shared coverage across Compass's full measured record, not only this report's window, and not a partnership or endorsement.

- cryptography + quantum cryptography

topic-topic

7 shared

Verifying and optimizing post-quantum cryptography at Amazon

Amazon Science • 7 Apr 2026

NIST NCCoE Publishes Drafts on Migration to Post-Quantum Cryptography

Quantum Computing Report • 20 Sep 2025

Post-Quantum Cryptography in Kubernetes

Kubernetes Blog • 18 Jul 2025

Podcast Episode: Cryptography Makes a Post-Quantum Leap

Deeplinks • 2 Jul 2025
- elliptic curve cryptography + Elliptic Curve Diffie-Hellman

topic-topic

2 shared

Post-Quantum Cryptography in Kubernetes

Kubernetes Blog • 18 Jul 2025

Podcast Episode: Cryptography Makes a Post-Quantum Leap

Deeplinks • 2 Jul 2025
- quantum computers + quantum cryptography

topic-topic • other

3 shared

Post-Quantum Cryptography in Kubernetes

Kubernetes Blog • 18 Jul 2025

Podcast Episode: Cryptography Makes a Post-Quantum Leap

Deeplinks • 2 Jul 2025

Certified Randomness Uses Quantum Cryptography to Make Stronger Keys

darkreading • 28 May 2025
- elliptic curve cryptography + post-quantum encryption

topic-topic • other

3 shared

Cloudflare targets 2029 for full post-quantum security

The Cloudflare Blog • 7 Apr 2026

Google research suggests encryption technique used by Bitcoin will be cracked by quantum computers around 2029 — search giant says quantum attacks need to be prepared for now

Tom's Hardware • 1 Apr 2026

Podcast Episode: Cryptography Makes a Post-Quantum Leap

Deeplinks • 2 Jul 2025

elliptic curve cryptography + RSA topic–topic	8 shared
- Why Post-Quantum Cryptography Starts With Credentials The Hacker News · 29 Jun 2026 - Crypto Faces Increased Threat From Quantum Attacks IEEE Spectrum · 15 Apr 2026 - Keeper Security Integrates Kyber to Provide Quantum-Resistant Identity Protection Quantum Computing Report · 26 Feb 2026 - Do you really need "post-quantum" encryption for your VPN or storage? XDA · 1 Jun 2025	
post-quantum cryptography + quantum cryptography topic–topic	7 shared
- Verifying and optimizing post-quantum cryptography at Amazon Amazon Science · 7 Apr 2026 - NIST NCCoE Publishes Drafts on Migration to Post-Quantum Cryptography Quantum Computing Report · 20 Sep 2025 - Post-Quantum Cryptography in Kubernetes Kubernetes Blog · 18 Jul 2025 - Podcast Episode: Cryptography Makes a Post-Quantum Leap Deeplinks · 2 Jul 2025	
cryptography + Elliptic Curve Diffie-Hellman topic–topic	2 shared
- Post-Quantum Cryptography in Kubernetes Kubernetes Blog · 18 Jul 2025 - Podcast Episode: Cryptography Makes a Post-Quantum Leap Deeplinks · 2 Jul 2025	
post-quantum cryptography + RSA topic–topic · regulation	10 shared
- Why Post-Quantum Cryptography Starts With Credentials The Hacker News · 29 Jun 2026 - Crypto Faces Increased Threat From Quantum Attacks IEEE Spectrum · 15 Apr 2026 - Google bumps up Q Day deadline to 2029, far sooner than previously thought Ars Technica · 25 Mar 2026 - Reimagining cybersecurity in the era of AI and quantum MIT Technology Review · 10 Nov 2025	
elliptic curve cryptography + quantum cryptography topic–topic	2 shared
- Post-Quantum Cryptography in Kubernetes Kubernetes Blog · 18 Jul 2025 - Podcast Episode: Cryptography Makes a Post-Quantum Leap Deeplinks · 2 Jul 2025	
cryptography + post-quantum topic–topic · other	3 shared
- Go maintainer joins collective klaxon about encryption-breaking quantum computers — developer urges immediate switch to post-quantum methods to prevent worldwide disaster Tom's Hardware · 9 Apr 2026 - Post-Quantum Cryptography in Kubernetes Kubernetes Blog · 18 Jul 2025 - Podcast Episode: Cryptography Makes a Post-Quantum Leap Deeplinks · 2 Jul 2025	
elliptic curve cryptography + post-quantum topic–topic	3 shared
- Quantum Q-Day could disrupt the world even sooner than AGI TechRadar · 14 May 2026 - Post-Quantum Cryptography in Kubernetes Kubernetes Blog · 18 Jul 2025 - Podcast Episode: Cryptography Makes a Post-Quantum Leap Deeplinks · 2 Jul 2025	
Elliptic Curve Diffie-Hellman + post-quantum cryptography topic–topic	3 shared
- Post-Quantum Cryptography in Kubernetes Kubernetes Blog · 18 Jul 2025 - Podcast Episode: Cryptography Makes a Post-Quantum Leap Deeplinks · 2 Jul 2025 - Tracking the Cost of Quantum Factoring Google AI Blog · 23 May 2025	
encryption + torrenting topic–topic	8 shared
- Private Internet Access VPN review: Both more and less than a budget VPN Engadget · 22 Oct 2025 - Norton VPN review: A VPN that fails to meet Norton's standards Engadget · 26 Sep 2025 - How we test VPNs Engadget · 30 May 2025 - ExpressVPN review 2025: Fast speeds and a low learning curve Engadget · 30 May 2025	
Elliptic Curve Diffie-Hellman + quantum computers topic–topic	2 shared
- Post-Quantum Cryptography in Kubernetes Kubernetes Blog · 18 Jul 2025 - Podcast Episode: Cryptography Makes a Post-Quantum Leap Deeplinks · 2 Jul 2025	
cryptography + torrenting topic–topic	3 shared
- Private Internet Access VPN review: Both more and less than a budget VPN Engadget · 22 Oct 2025 - Norton VPN review: A VPN that fails to meet Norton's standards Engadget · 26 Sep 2025 - Proton VPN review 2025: A nonprofit service with premium performance Engadget · 24 Sep 2025	

post-quantum + quantum computers topic-topic · other

3 shared

- 🔗 [Go maintainer joins collective klaxon about encryption-breaking quantum computers — developer urges immediate switch to post-quantum methods to prevent worldwide disaster](#) Tom's Hardware · 9 Apr 2026
- 🔗 [Post-Quantum Cryptography in Kubernetes](#) Kubernetes Blog · 18 Jul 2025
- 🔗 [Podcast Episode: Cryptography Makes a Post-Quantum Leap](#) Deeplinks · 2 Jul 2025

encryption + post-quantum encryption topic-topic

8 shared

- 🔗 [Cloudflare One is the first SASE offering modern post-quantum encryption across the full platform](#) The Cloudflare Blog · 23 Feb 2026
- 🔗 [Cyber Monday subscription and streaming deals are here: Big discounts on Apple TV+, HBO Max, Disney+, Proton VPN and more](#) Engadget · 1 Dec 2025
- 🔗 [Black Friday subscription and streaming deals include discounts on Apple TV+, HBO Max, Disney+, Proton VPN and more](#) Engadget · 28 Nov 2025
- 🔗 [State of the post-quantum Internet in 2025](#) The Cloudflare Blog · 28 Oct 2025

quantum computing + quantum cryptography topic-topic

4 shared

- 🔗 [Ericsson engineers detail 6G](#) TechRadar · 30 May 2026
- 🔗 [Post-Quantum Cryptography in Kubernetes](#) Kubernetes Blog · 18 Jul 2025
- 🔗 [Orientom and EQ Tech Energy Partner to Develop Quantum Electric Grid for Power Grid Optimization](#) Quantum Computing Report · 4 Jul 2025
- 🔗 [Podcast Episode: Cryptography Makes a Post-Quantum Leap](#) Deeplinks · 2 Jul 2025

Google Quantum AI + RSA topic-actor · launch

2 shared

- 🔗 [Crypto Faces Increased Threat From Quantum Attacks](#) IEEE Spectrum · 15 Apr 2026
- 🔗 [Tracking the Cost of Quantum Factoring](#) Google AI Blog · 23 May 2025

encryption + end-to-end encryption topic-topic

13 shared

- 🔗 [iOS 26.3 and iOS 26.4 Will Add These New Features to Your iPhone](#) MacRumors · 3 Feb 2026
- 🔗 [Surveillance Self-Defense: 2025 Year in Review](#) Deeplinks · 2 Jan 2026
- 🔗 [Defending Encryption in the U.S. and Abroad: 2025 in Review](#) Deeplinks · 28 Dec 2025
- 🔗 [iOS 26.1 to iOS 26.4 Will Add These New Features to Your iPhone](#) MacRumors · 18 Oct 2025

Coverage clusters

cryptography cluster

cryptography · quantum cryptography · Elliptic Curve Diffie-Hellman · elliptic curve cryptography · post-quantum · encryption · quantum computing · RSA · quantum computers · post-quantum encryption · post-quantum cryptography · end-to-end encryption · asymmetric cryptography · torrenting · public key cryptography · Google Quantum AI · Device Encryption · CMEK · AES-256 encryption · client-side encryption

What to watch

At the edge, confidential computing, Device Encryption, and CMEK are gaining, which broadens coverage from quantum-labeled terminology into adjacent security language. Because post-quantum cryptography and end-to-end encryption are cooling, these smaller gaining threads matter as signs of attention rotating within security framing rather than settling on one label. Regulation is only 3% of article format, but the post-quantum cryptography and RSA pairing is the connection associated with regulation, so rules-oriented coverage is narrow and attached to comparison.

Representative cited sources (32)

The dated stories behind the read — each linked.

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[Quantum Advantage? AT&T Achieves 240X Acceleration With D-Wave Quantum Computer](#) · Forbes - Innovation · 28 Jul 2026

[Best free VPN for Android: 5 top picks you can trust](#) · PCWorld · 27 Jul 2026

- [AT&T Expands D-Wave Partnership to Optimize Telecom Network Operations and Agentic AI](#) • Quantum Computing Report • 27 Jul 2026
- [EFF: Most Smart Wearables Still Fall Short on Privacy and Transparency](#) • Security Affairs • 27 Jul 2026
- [New ransomware targets AI model weights and can't even collect the ransom](#) • VentureBeat • 27 Jul 2026
- [Crypto is the canary in the coal mine for the quantum computing threat, experts say](#) • CoinDesk • 27 Jul 2026
- [Infleqtion to Deploy Fault-Tolerant Neutral-Atom Quantum Computer at Illinois Quantum Park](#) • Quantum Computing Report • 25 Jul 2026
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- [Bloq Quantum Expands Quantum Education and Workforce Ecosystem in India via Strategic Partnerships](#) • Quantum Computing Report • 25 Jul 2026
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- [Meta wins dismissal of WhatsApp privacy suit as judge questions whistleblower detail](#) • The Next Web • 24 Jul 2026
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- [The Cryptography Shift Is Now, With Many CEOs And Agency Leaders Behind](#) • Forbes - Innovation • 24 Jul 2026
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- [IBM acquires HRL Laboratories to further boost quantum computing R&D efforts](#) • Data Center Dynamics • 23 Jul 2026
- [Coinbase Builds Post-Quantum Custody System, Funds Bitcoin's Crypto Upgrade](#) • Bitcoin Magazine • 23 Jul 2026
- [IBM acquires HRL Laboratories from Boeing and General Motors, seeking to integrate HRL's electron spin quantum circuits into its quantum computers \(Stephen Nellis/Reuters\)](#) • Techmeme • 23 Jul 2026
- [Encryption in the 1790s](#) • Hackaday • 23 Jul 2026
- [Strategy-led group pledges \\$15M to quantum-proof Bitcoin network](#) • Cointelegraph.com • 23 Jul 2026
- [Encryption at rest in Elastic Cloud: Bring your own key with Google Cloud](#) • Elastic Blog • 23 Jul 2026
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[Agentic AI Challenges Progress in Confidential Computing](#) · darkreading · 23 Jul 2026

[Is On-Prem Making A Comeback?](#) · Crunchbase News · 23 Jul 2026

Methodology

Every figure is drawn from the Enginerds corpus — a curated panel of technology outlets, each read at the same steady pace over time — and is a measurement of coverage WITHIN this lens: article counts, each topic's share of the set's coverage over time, the direction of that coverage, and which topics are covered together. Shares are of the coverage inside the set. Titles are shown as published; inclusion is not endorsement.

What this report does not claim. Compass measures coverage patterns in the technology press. It does not predict outcomes, rank technologies by merit or importance, or recommend what to buy, build, or invest in. Coverage is not the same as real-world significance.

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