

Impact Report

We are proud to share our 2022 Cloudflare Impact Report. It is a collection of our work over the past year to advance our mission to help build a better Internet, and contribute to global initiatives like the UN Global Compact.

In the early days of Cloudflare, we made it a policy that every new hire had to interview with either of us. It's still the case today, though now that we have more than 3,000 employees, we have had to enlist a few more senior executives to help.

At first, these calls were about helping screen for new members of our small team. As Cloudflare grew, the primary purpose changed to making sure that everyone joining had a positive conversation with a senior member of our team, so if in the future they ever see something wrong they'll hopefully feel a bit more comfortable letting us know.

But, there's also another purpose. We get to hear firsthand why people chose to apply. That's a barometer for what we're doing right, evaluated by someone with a perspective outside the organization. And, nearly every day, we hear some version of the same thing: the most consistent reason new employees want to join Cloudflare is because of our mission and the breadth of our impact.

Our team wants the work they do to have a real, positive impact for the millions of users of our services and the billions of Internet users our decisions affect downstream.

As we release this year's report, although we certainly see a number of challenges for the Internet and our stakeholders, we remain optimistic that the opportunities continue to far outweigh those challenges.

- We have been inspired by the resolve and resilience of the Ukrainian people and the global community's support for the people of Ukraine amid the Russian invasion. Given the critical role the Internet plays in times of conflict, we were proud to join a disparate group of people and companies, working together to help maintain Ukrainians' access to the Internet and defend Ukraine from persistent cyber attacks.
- We celebrated the 8th anniversary of Project Galileo, describing our support for groups that unite underprivileged girls in India, the LGBTQIA+ community in the Nile valley, and refugees needing healthcare services. In total, Project Galileo provides Cloudflare's services for free to more than 2,150 journalists, humanitarian groups, and human rights organizations in 100+ countries.
- We continue to make strides in improving the way Cloudflare focuses on our own impact through emissions, recycling, and waste, as well as applying those same lessons to our products and operations to make sure that we are being responsible stewards of the Earth's resources.
- We also keep working to ensure that everyone not just large companies with big budgets — benefits from a more secure and reliable Internet. Specifically, this year we focused on helping groups such as local governments and critical infrastructure adopt new Zero Trust tools that are increasingly imperative for all organizations.

We take pride in the principles that lie at the core of what we do as a company, and we are energized by the Internet's ongoing promise to make life better for billions of people.

Matthew Prince Co-Founder & CEO, Cloudflare

Michelle Zatlyn President & COO, Cloudflare

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UN Global Compact @ Cloudflare

As a signatory to the UN Global Compact, we are continually working toward the UN Ten Principles and the Sustainable Development Goals (SDGs), with annual tracking of our progress.

We are joined by thousands of other companies in these shared values, and we see this commitment as a way to focus our efforts for helping the global Internet community.



In 2022, Cloudflare identified the following SDGs as most relevant to our mission to help build a better Internet.

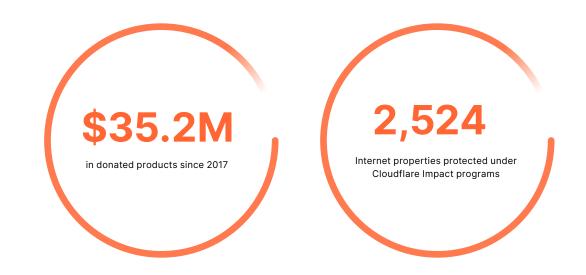


This report, which serves as our Communication on Progress, highlights ways in which we are fostering community, assisting underserved populations, and doing our part to move humanity forward. See the Appendix for more details.



Impact @ Cloudflare

Cloudflare Impact encompasses our programs that help Cloudflare and the Internet do good in the world, including our environmental, social, and governance initiatives.





Most Loved Workplaces

Cloudflare was named to Newsweek's 100 Most Loved Workplaces 2022, ranking at #55. Newsweek and BPI surveyed more than a million employees of hundreds of companies, asking about job satisfaction, emotional connection, collaboration, and many other factors.



Webby Award

In 2022, Project Fair Shot received a Webby Award in the category of People's Voice Winner. Project Fair Shot provides our Waiting Room tool for free to organizations distributing the Covid-19 vaccine to help registration websites stay online.



Best Place to Work for LGBTQ Equality

Cloudflare received a perfect score of 100% on the Corporate Equality Index from the Human Rights Campaign. This benchmarking tool assesses the inclusivity of policies, practices, and benefits for LGBTQIA+ employees.



Pledge 1%

As part of our commitment to Pledge 1%, Cloudflare has pledged 1% of our time and products to give back to our communities.

Appendix

2022 spotlight: Cloudflare assistance to Ukraine

Since the Russian invasion, Cloudflare has protected Ukrainian government institutions, civil society organizations, and citizens from cyber attack at no cost. We have provided updates on the status of the Internet inside Ukraine, making sure valuable information gets out to the world.

Free services for Ukrainian government and infrastructure

On February 24, 2022, when Russia invaded Ukraine, Cloudflare moved quickly to offer free services and support to a wide variety of Ukrainian government and infrastructure providers. In addition to protecting the .ua top-level domain, we currently protect approximately 130 Ukrainian domains in this program, run by more than 50 different Ukrainian government agencies and companies.

Free services for Ukrainian nonprofits

We've also provided free assistance to nonprofit groups that are helping refugees, documenting war crimes, sharing information, and providing local services — these groups are simultaneously contending with cyber attacks. Overall, we protect 79 organizations in Ukraine, which includes 54 onboarded since the beginning of the invasion.

Cyber attacks on Ukrainian infrastructure

Since February, Ukrainian government and civilian infrastructure have come under a barrage of DDoS and other common cyber attacks. Ukrainian websites saw a significant spike in application layer firewall mitigated attacks in March 2022 and another spike in mid-September. Ukrainian sites have also seen a significant increase in the percentage of requests that were mitigated as attack traffic on a daily average, when compared with Q4 2021. Cloudflare was proud to play a role in ensuring that these types of widespread DDoS and other cyber attacks did not disrupt the Ukrainian Internet. Ukraine Traffic and Firewall Mitigated - Percentage change (based on Billing Country)



Note: our Firewall blocks malicious HTTP requests: e.g. L7 DDoS requests, hacking attempts, vulnerability scanning, brute force login attempts

"I want to mention Cloudflare because they reached out to us proactively and offered help. We took their help and we relied on them immensely and I really want to express my gratitude to the leadership and the team there."

— Dmitry Kohmanyuk, .ua TLD strategist in Heise Online interview, 3/24/22



2022 spotlight: Birthday Week

At Cloudflare, we celebrate our birthday by giving gifts back to the Internet by offering tools and resources that improve the fundamentals of how the Internet works. This year, we turned 12 and celebrated with 36 announcements, including:

Unmetered rate limiting

Rate Limiting, a tool that helps defend against bots and a variety of attacks, is now available to all customers, including on the Free plan, without extra charges.

Magic Network Monitoring

With this free and powerful analytics dashboard, users can gain visibility into their networks and filter traffic data by protocol, source IP, destination IP, TCP flags, and router IP. This visibility is an important step toward improving security.

Turnstile, a free CAPTCHA alternative

With our open beta of Turnstile, any website owner can confirm visitors are real people without relying on CAPTCHA. Using the API does not require a Cloudflare account or sending traffic through our network.

workerd

The JavaScript/Wasm runtime based on the same code that powers Cloudflare Workers is now open source. workerd makes it possible for developers to self-host applications, conduct local testing, and serve as a proxy for applications.

Workers Launchpad

We partnered with venture capital firms to create a \$1.25B Workers Launchpad funding program that has since grown to \$2B. The program helps startups running on Cloudflare Workers launch their ideas, scale their businesses, and get products to market faster. The first cohort was announced in November 2022.

To see more details about Birthday Week, check out cloudflare.com/birthday-week.



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A better Internet is principled.

Helping build a better Internet is a bold objective, and it encompasses initiatives to protect vulnerable voices, promote trust in democracy, relentlessly improve privacy measures, encourage ethical behavior, respect human rights, and many other goals.

Project Galileo

Project Galileo helps keep vulnerable sites online, with free cyber security services for groups working in the arts, human rights, civil society, journalism, or democracy.

Onboarding portal for participants

To celebrate Project Galileo's eighth anniversary in 2022, we unveiled the Cloudflare Social Impact Projects Portal, which aims to help Project Galileo and Athenian Project participants adopt security best practices and learn how to get the most out of their free services.

New partners

We partner with dozens of independent journalism, public interest, and civil society organizations to identify websites eligible for the project. This year, our new additions to our partnership network included International Media Support, CyberPeace Institute, and Digital Defense Fund.

Learn more at cloudflare.com/galileo and check out case studies of some of our participants at cloudflare.com/project-galileo-case-studies.

2014

year started.

2,150 participants in 100+ countries.

57.9M

cyber threats per day on average.*

\$4.2M

*Based on data from Cloudflare Radar from July 1, 2021, to May 5, 2022.

Athenian Project

Through the Athenian Project, Cloudflare provides its highest level of security services to US state and local government websites that host information on voting and polling places, voter data, and the reporting of election results.

Ensuring that election information is consistently and reliably available helps promote trust in the voting process. In preparation for the 2022 US midterms, Cloudflare stepped up efforts to onboard new domains, help Athenian Project participants improve their security, and troubleshoot problems. We also assembled an internal, cross-functional team of experts to provide rapid response to any attacks or requests for assistance on Election Day.

From October 1 through November 8, 2022, government election sites protected by the Athenian Project experienced an average of 16,170,728 threats per day. Fortunately, we did not identify any large-scale attacks on Election Day.

As part of the Joint Cyber Defense Collaborative, Cloudflare worked with the US Department of Homeland Security's Cybersecurity and Infrastructure Security Agency (CISA) to provide security briefings to state and local election officials preparing for the election, including webinars, security recommendations, and best practices. \$5.9M

366

state and local government domains in 31 US states receive free Cloudflare services through the Athenian Project.

Cloudflare for Campaigns

In 2020, we launched Cloudflare for Campaigns, a suite of products focused on the needs of political campaigns, particularly smaller campaigns that don't have the ability to bring significant cyber security resources in-house.

In partnership with Defending Digital Campaigns, we protected 56 House campaigns, 15 political parties, and 34 Senate campaigns during the 2022 US midterm elections. From October 1 through November 8, 2022, campaign and party sites protected under this program faced an average of 149,949 threats per day.



Bringing Zero Trust to Project Galileo and the Athenian Project

At Cloudflare, we believe that limited budgets should not get in the way of groups doing important and necessary work in the world efforts such as administering elections, reporting on corruption, assisting refugees, supporting LGBTQ youth, advancing women's rights, and protecting free speech.

The battle to stay online

State and local election websites, which we protect under the Athenian Project, and at-risk public interest groups, which are eligible for Project Galileo, are frequently targeted by groups that seek to take them offline or compromise their data.

Zero Trust protection for Project Galileo and Athenian Project participants

The shift to remote work has further complicated all organizations' abilities to defend against attacks, protect data, and maintain visibility and security controls over how users move and store data across cloud environments.

To further support Project Galileo and Athenian Project participants, we are now adding Zero Trust protections to these programs. Website administrators will have a wide variety of tools to:

Block phishing and business email compromise attacks

Insulate employees from untrusted web content

Prevent data leaks over SaaS apps

Secure sensitive data in transit and tools for workplace collaboration

Learn about the major components of Zero Trust architecture at zerotrustroadmap.org.



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Incorporating Zero Trust protection

To better understand how Zero Trust tools can be useful for Project Galileo and Athenian Project participants, learn about the experiences of some of our early adopters and what they're finding valuable thus far.



Information Technology Disaster Resource Center

ITDRC, a Project Galileo participant, is a nonprofit composed of thousands of service-oriented technical professionals and private sector partners that assist in disaster response operations in the United States. A key part of their mission is to leverage technology to connect survivors and responders amid crises.

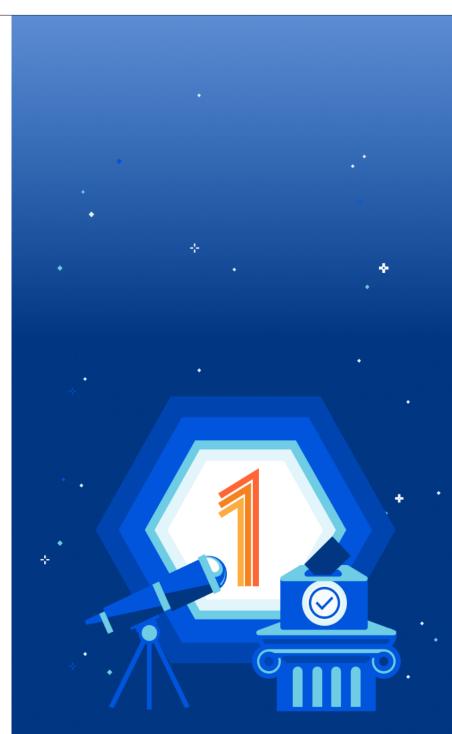
According to co-founder Chris Hillis, "Cloudflare Zero Trust is essential to securing our employees, volunteers, and disaster survivors on site and in the field. Cloudflare delivers secure, reliable, and fast connectivity to the Internet and critical applications that our teams need to respond to disasters effectively."



Rowan County, North Carolina

Randy Cress, CIO for Rowan County, worked with Cloudflare via the Athenian Project to accomplish his goal of shielding county employees from phishing attacks and automatically blocking malicious threats. Randy notes, "Our team was able to fully onboard prior to the official onboarding call in less than 30 minutes with Cloudflare. We were able to focus on features and specifics of the product offering in lieu of time spent in configuration mode and troubleshooting."

During the 2022 midterm elections, Cloudflare Zero Trust tools helped the county fight off credential harvesting attempts via email — Randy calls Cloudflare the county's "first line of defense."



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Everyone

Defending against email attacks during the midterms

Throughout election season, websites for voter registration and data aren't the only ones subject to attack — campaign websites are also targeted. These attacks interfere with the democratic process and voters' ability to make educated decisions.

Threats to campaign inboxes

Email was a notable threat vector during the 2022 midterms. Malicious actors use email to impersonate officials or steal credentials, data, or campaign funds. To help combat these risks, candidates protect their campaigns with Cloudflare Area 1 Email Security, a Zero Trust tool. It offers advanced protection by crawling the Internet and investigating phishing infrastructure to identify phishing campaigns in advance.

Election season highlights

Here are a few findings from the three months leading up to the election. These are made possible by our preemptive campaign discovery and machine learning algorithms.

Cloudflare processed over 20 million emails for campaigns and stopped around 150K phishing attacks.

We saw more than 10,000 emails sent that were using the names of candidates without their permission.

The office of one Senate incumbent received an average of 35 malicious emails every day.





Metrics from the campaign office of a US Senator



Engineering privacy into the Internet

The Internet was not built with privacy in mind. Cloudflare is committed to helping build privacy-enhancing technologies into the basic architecture and functions of the Internet.

Privacy Gateway

Even with encryption, information about consumer IP addresses and the names of websites they visit leak from protocols not designed to preserve privacy. Cloudflare has worked to develop technologies to reduce the availability of that information and build a more privacy-preserving Internet. We've released several services for DNS and other communications to help individuals, businesses, and governments, and we've contributed to the development of privacy-enhancing protocols.

We pioneered implementation of numerous technologies designed to ensure Internet service providers (ISPs) and other network observers cannot track websites their subscribers visit. Privacy Gateway builds on those efforts by relaying encrypted data packets through our servers to obscure user IP addresses. In 2022, we partnered with a period tracker app to enable Privacy Gateway to prevent the ISP and app from being able to associate individual IP addresses with the tracker.

WARP with privacy-preserving geolocation

A common issue with proxy services is they can impede features that users rely on, such as geolocation. Our approach to privacy-preserving geolocation is to replace the consumer's actual IP address with another address assigned to a similar general geographic area. A consumer will thus get content for the correct country or region, but will not expose information about themselves to their ISP or other network observer.

Zaraz

Cloudflare Zaraz is a tool for safely loading third-party JavaScript tools on websites. It's common for sites to have 10 or more third-party tools, which make hundreds of requests to other servers. With Zaraz, third-party JavaScript can run in Cloudflare Workers, where scripts don't have access to the browser. Since Zaraz manages the data sent to third-party tools, developers can use it to configure filters on what data is forwarded, including different action types (e.g., blocking, reporting, or masking).



Privacy and security compliance certifications

Privacy is at the heart of everything we do. We seek to build and maintain trust in Cloudflare's ability to keep personal data private and follow security best practices. Here is a sample of the certifications we have completed as part of our commitment to privacy and security.



ISO 27001:2013

Enables organizations to secure data and reduce the risk of attacks by outlining a set of globally accepted management procedures and information security controls.

ISO 27018:2019

Extends an Information Security Management System (ISMS) to protect personal data when being processed in a public cloud.

PCI DSS 3.2.1

Helps payment processors and financial institutions mitigate the risk of credit card fraud. We maintain PCI DSS Level 1 compliance and have been PCI compliant since 2014.

ISO 27701:2019

An international privacy standard for protecting and managing the processing of personal data. We have been ISO 27701 certified as a PII Processor and PII Controller since 2021.

SOC 2 Type II

A security certification that consists of a technical audit and a requirement to outline and follow comprehensive information security policies and procedures.

C5:2020

Ensures cloud service providers adhere to a baseline of information security criteria. This auditing standard was created by Germany's Federal Office for Information Security (BSI).

Cloudflare for Government achieves

FedRAMP Moderate authorization

Our December 2022 achievement of FedRAMP Moderate for our Cloudflare for Government suite of products is the first step in our journey to help secure US government entities. The Federal Risk and Authorization Management Program (FedRAMP®) is a governmentwide program that provides a standardized approach to security assessment, authorization, and continuous monitoring for cloud products and services.

Human rights @ Cloudflare

Cloudflare is committed to respecting human rights under the UN Guiding Principles on Business and Human Rights (UNGPs).

To access a full version of Cloudflare's human rights policy, please visit cloudflare.com/impact.

Companywide human rights training

In 2022, all Cloudflare employees completed training on Cloudflare's human rights policy, commitments, and identifying and reporting potential human rights due diligence issues.

Partnerships

Cloudflare continues to serve as a full-term member of the Global Network Initiative (GNI), which is a multistakeholder initiative composed of information and communications technology companies, human rights and press freedom organizations, academics, and investors. Its goal is to protect and advance freedom of expression and privacy rights by setting a global standard for responsible company decision-making as well as advocating against government restrictions and demands online.

Cloudflare is part of the B-Tech Project's Community of Practice, which is operated by the Office of the UN High Commissioner on Human Rights, and provides authoritative guidance and resources for implementing the UNGPs in the technology space.

Human rights principles and online abuse

Cloudflare continues to advance its internal process to respond to online abuse by better incorporating human rights principles, including:

Fair process for both complainants and users

Proportionality

Transparency

Multistakeholder engagement

For more information on Cloudflare's approach to online abuse, please visit cloudflare.com/trust-hub/abuse-approach.





Transparency @ Cloudflare

An essential part of earning and maintaining the trust of our customers is being transparent about the requests we receive from law enforcement and other governmental entities.

Transparency Report

Cloudflare publishes semiannual updates to our Transparency Report on the requests we have received to disclose information about our customers. Each update includes information and data regarding government requests for information, requests for content blocking and removal due to copyright, and other government requests received by Cloudflare. In 2022, we expanded our Transparency Report to include information on Cloudflare's response to Child Sexual Abuse Material (CSAM), as well as civil court orders on blocking and service termination.

To view our most recent update to our Transparency Report, please visit cloudflare.com/transparency.

Warrant Canaries

Cloudflare also maintains an up-to-date list of actions we have never taken on our network. We call these Warrant Canaries. This list helps our customers understand how we have acted in the past, and how we intend to act in the future. It is also a useful way to keep customers informed about potential law enforcement or other legal orders that prevent us from disclosing them

Cloudflare has never turned over our encryption or authentication keys or our customers' encryption or authentication keys to anyone. Cloudflare has never installed any law enforcement software or equipment anywhere on our network. Cloudflare has never provided any law enforcement organization a feed of our customers' content transiting our network. Cloudflare has never modified customer content at the request of law enforcement or another third party. Cloudflare has never modified the intended destination of DNS responses at the request of law enforcement or another third party. Cloudflare has never weakened, compromised, or subverted any of its encryption at the request of law enforcement or another third party.

Ethics and compliance @ Cloudflare

We are committed to operating with the highest level of ethics and integrity in everything we do.

Anti-corruption

We are committed to working against corruption consistent with Principle 10 of the UN Ten Principles, as well as the United States Foreign Corrupt Practices Act, the United Kingdom Bribery Act of 2010, and other applicable laws.

Our policy against corruption is reflected in our Code of Business Conduct and Ethics, as well as our Third Party Code of Conduct, additional internal policies, and our employee handbook. All Cloudflare employees complete annual training on bribery and corruption. All suppliers, resellers, and partners are screened at onboarding to ensure we do not partner with companies at high risk for corruption. We are in the process of launching a new anti-bribery course for partners.

Our Internal Audit team conducted regionally specific audits of our channel partner program, including in APJC, EMEA, and LATAM, during 2021-2022. These audits tested various facets of the channel partner program to ensure we have effective controls in place, particularly in higher-risk locations.

Ethical conduct

Our Code of Business Conduct and Ethics addresses topics such as fair and accurate reporting, fair dealing and legal compliance, conflicts of interest, anti-harassment, non-discrimination, health and safety at work, and fair competition.

Fair labor and modern slavery

We are committed to the ILO Declaration on Fundamental Principles and Rights at Work, as well as Principle 3 of the UN Ten Principles regarding freedom of association and effective recognition of the right to collectively bargain. Cloudflare explicitly prohibits human trafficking, and the use of involuntary labor. These policies are reflected in our Modern Slavery Act Statement for Fiscal Year 2021.

Cloudflare strives to work only with third parties who are committed to operating with the same level of ethics and integrity as we do. In addition to our Code of Business Conduct and Ethics, we now have a Third Party Code of Conduct, specifically formulated with our suppliers, resellers, and other partners in mind. It covers such topics as human rights, fair labor, environmental sustainability, anti-bribery and anti-corruption, trade compliance, anti-competition, conflicts of interest, data privacy and security, and government contracting.

Sanctions compliance

Our commitment to compliance includes programs that prohibit us from doing business with sanctioned parties. Our robust compliance program includes safeguards designed to prevent sanctioned parties from signing up for service. We actively screen our customers, resellers, vendors, and partners to identify links to sanctioned parties and countries. Our contracts include commitments from our customers, resellers, vendors, and partners that they will comply with all applicable sanctions laws, and that they are not, nor are they providing our services to, sanctioned parties or entities located or based in sanctioned countries. Contents

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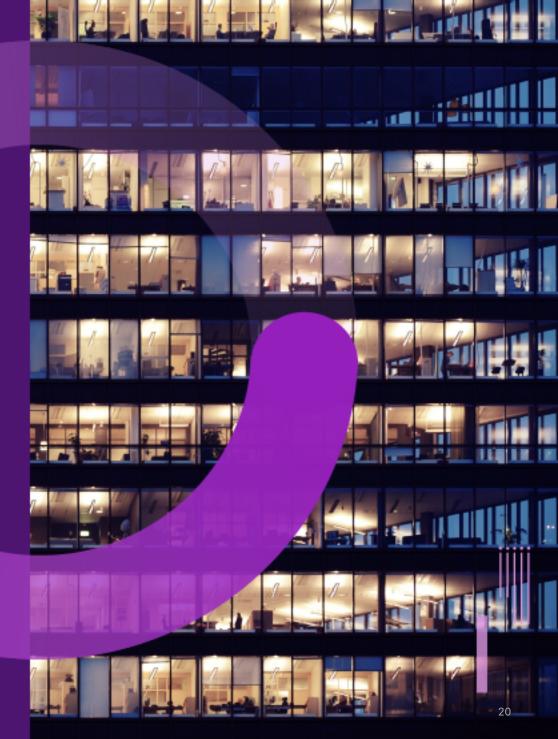
Everyone

Sustainable

Appendix

A better Internet is for everyone.

For communities and people around the world to reach their potential, everyone must have access to a secure, performant, and reliable Internet that is accessible, is built by diverse teams, and represents the perspectives of civil society and other stakeholders.



Democratizing access to new technologies

We believe that providing access to the tools necessary to make the Internet faster, more reliable, and more secure benefits not only our customers but also the entire Internet community.

Impact on small businesses

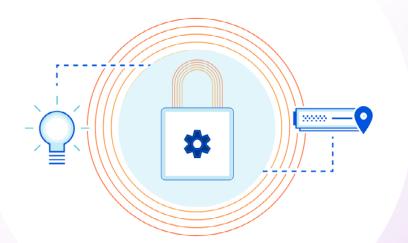
Small businesses don't always have the budget for security services; our Free plan helps these entities be more resistant to disruption, especially from attacks. Millions of Cloudflare accounts use only services available in our Free plan. Together, these Free plan customers were responsible for roughly 70 trillion requests over the Cloudflare network in 2022. This is a value of \$7 million of content delivery network services that they received at no cost. Many of our Free plan users are also leveraging Cloudflare Access for free.

Post-quantum cryptography

Cloudflare has begun deploying cryptography that will protect our customers from a sufficiently powerful quantum computer with the ability to decrypt any encrypted data that we have today. In July 2022, the US National Institute of Standards and Technology (NIST) announced which postquantum cryptography they will standardize to be secure against the threat of quantum computers. In October 2022, we announced that, as a beta service, all websites and APIs served through Cloudflare would support post-quantum hybrid key agreement. This is on by default for all of our customers with no need for an opt-in. This means that if a browser or app supports it, the connection to our network is also secure against any future quantum computer.

WAF for everyone

Reflecting our core belief that security is something that should be accessible to everyone, this year, we started providing a Cloudflare WAF (Web Application Firewall) Managed Ruleset to all Cloudflare plans, free of charge. The new ruleset helps mitigate against high-profile vulnerabilities like Shellshock and Log4j, with the goal of a better and safer Internet for all.



Taking steps toward a better Internet

Building an Internet that is truly for everyone one that is safe, reliable, secure, and accessible — involves a lot of small steps. Here are a few we took this year.

Joining the AS112 project

Cloudflare is a new participant in the AS112 project, a community effort to run an important network service intended to handle reverse DNS lookup queries for private use addresses that should never appear in the public DNS system. With the addition of the Cloudflare global network, we can make huge improvements to the reliability and performance of this distributed public service. The AS112 project helps reduce the load on public DNS infrastructure and thus plays a vital role in maintaining the stability and efficiency of the Internet.

Securing Internet routing with RPKI

In a way, the Border Gateway Protocol (BGP) is the glue that keeps the entire Internet connected. It is a routing protocol — it picks the most efficient routes for delivering traffic. However, it lacks built-in security mechanisms and makes the Internet vulnerable when malicious actors inject bogus routing information. These fraudulent routes can be used for denial-of-service and other attacks.

One way to secure BGP routing involves validating the origin of advertised routes using Resource Public Key Infrastructure (RPKI). Adoption of RPKI has been slow, however. To track BGP's safety, we released a method to measure the current percentage of Internet users that are protected by their Internet service provider from BGP's vulnerabilities. Worldwide, we observe very low effective coverage, which means there's still a long way to go before we can declare BGP to be safe.

Upgrading our time services

For many industries, highly accurate time is critical, whether it's for synchronizing global product releases or performing logging and error reporting. In 2019, we launched time.cloudflare.com, our public time service that enables users to obtain time in an authenticated manner. This year we announced two major improvements:

To help ensure we have the most accessible, precise, and reliable time on the Internet, we're increasing the geographic spread of our available stratum zero time sources, which means that we will have increased reliability and reduced jitter in our available public time services.

In response to user requests, we're providing custom access to our time infrastructure. Users will be able to employ static IP addresses, custom host names, and other configuration options to set up how they want to feed highly precise, accurate, and available time into their infrastructure.



Project Safekeeping

Under-resourced organizations that are vital to the functioning of communities around the world face relentless cyber attacks, which threaten basic needs for health, safety, and security. Starting December 13, 2022, Cloudflare will help support these vulnerable institutions by providing our Enterprise-level Zero Trust cyber security suite to them at no cost, with no time limit.

Protecting local infrastructure

Many countries are prioritizing investment in cyber security for critical infrastructure at the national level, including major financial institutions, hospital networks, oil pipelines, and international airports. These tend to be large organizations with the technical expertise and financial resources to obtain a variety of state-of-the-art cyber security services. However, many local and municipal providers, including utilities, regional transportation, and medical providers, face the same threats but lack the resources to invest in cyber security. Earlier in 2022, Cloudflare offered a program to help provide free cyber security services to small, under-resourced critical infrastructure providers in the United States.

Introducing our newest initiative, Project Safekeeping

In December 2022, after consultation with public officials in numerous countries, Cloudflare elected to offer its free Zero Trust suite for critical infrastructure in five new markets — Australia, Germany, Japan, Portugal, and the United Kingdom.

Eligible organizations will benefit from Zero Trust tools to help with:

Connecting users to applications

Filtering traffic

Securing cloud applications

Protecting sensitive data

Improving email security

Increasing web browsing safety

For more information on the project or how to apply, please visit cloudflare.com/lp/project-safekeeping.



Improving the Internet in next-generation markets

Users in next-generation markets — such as countries in Africa and the Middle East as well as China, India, Indonesia, and Thailand — primarily access the Internet through their mobile devices. Getting closer to users in these markets is paramount for a seamless experience because of issues that particularly affect mobile device users.

For example, interference from radio waves can add latency, and not all power grids can support the large radio towers necessary for stability and speed. Users in these markets typically have to go a long way to get to the rest of the Internet, leading to network congestion and poor Internet performance.

Cloudflare has helped improve the Internet experience for these users by investing in next-generation markets. Almost 60% of the cities where Cloudflare has deployed equipment are in these markets, and almost 80% of our 107 new cities of the last four years have been as well. Cloudflare's Edge Partner Program allows Internet service providers (ISPs) to integrate their networks physically and locally with Cloudflare, bringing us as close as possible to their users and improving not just end user performance, but the basic stability of a good Internet experience on the network, too.

Project Pangea

Last year, Cloudflare announced Project Pangea to help underserved community networks get access to the Internet for free. This year, Cloudflare expanded this program to support even more communities by relaxing the technical requirements to participate. Eligible networks can now access Pangea services — Internet connectivity, DDoS protection, network firewalling, traffic acceleration, and more — even if they do not have their own IPv4 space.

According to Nick Wilson of Pangea participant Ayva Networks, "Reliable Internet in our community isn't a privilege, it's an essential utility, and often provides the only means of communication for many homes in our region as cellular service is generally rare." Ayva Networks is a not-for-profit wireless Internet service provider that provides backbone and Internet services to approximately 400 households in Colorado.



Prioritizing accessibility

A free, user-friendly alternative to CAPTCHA

CAPTCHAs, the tests that determine if online users are humans and not bots, do not have legions of fans. For a less frustrating means of identifying legitimate traffic, Cloudflare developed Turnstile, a free tool that any website owner can use. Instead of deploying a CAPTCHA, the site can call a simple API. Using Turnstile does not require sending traffic through the Cloudflare network.

Beyond the wasted time, CAPTCHAs are concerning in other ways:

Accessibility: Assuming all users have the physical and cognitive capabilities to solve them does not help build an Internet that is for everyone.

Privacy: Most CAPTCHAs are served from providers that make money by selling ads. This means user data can potentially be harvested for ad retargeting, and some providers even give users a worse experience if they don't have a third-party cookie in their browser.

Turnstile automatically chooses from a rotating suite of browser challenges that work behind the scenes, looking for signals there is a human user. Another benefit is that it recognizes Private Access Tokens from users on the latest versions of macOS or iOS, allowing the validation of a device with the help of the device vendor — but without using device data to track users.



A more inclusive Cloudflare

dashboard experience

We recently overhauled the Cloudflare dashboard, which now adheres to accessibility standards including Web Content Accessibility Guidelines (WCAG) 2.1 AA and Section 508 of the Rehabilitation Act.

Our goal was to ensure that as many people as possible can be successful users of the dashboard to administer and protect their websites.

Performing an audit with third-party experts to surface accessibility challenges

Updating all forms on the Cloudflare dashboard with screen reader and keyboard users top of mind

Re-engineering charts and graphs to be more accessible to keyboard and screen reader users

Cloudflare Impact Report 2022

Communities @ Cloudflare

Within Cloudflare, employee resource groups (ERGs) bring together people based on shared heritage, identities, and interests. Through in-person and virtual events and conversations, these groups promote inclusion, shared understanding, and allyship. They are an essential part of Cloudflare culture. Our newest ERG, Persianflare, kicked off in 2022.



Diversity @ Cloudflare

We do our best work when teams are diverse and people feel like they can bring their whole selves to work. To improve diversity across departments and roles, we rely on inclusive recruiting practices to help ensure a fair process and we train employees on mitigating unconscious bias.

Get more details about our commitment to diversity and related data at cloudflare.com/diversity-equity-and-inclusion.

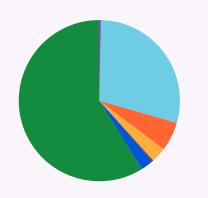


Overall Gender Identity

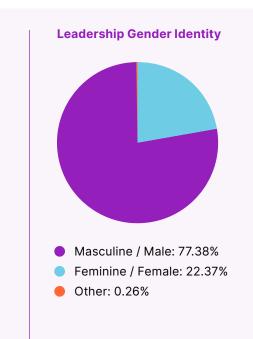


- Masculine / Male: 67.91%
- Feminine / Female: 31.52%
- Agender, Bigender, Fluid, Nonbinary, Other, Queer: 0.57%





- American Indian or Alaska Native: 0.36%
- Asian: 29.14%
- Black or African American: 5.89%
- Hispanic or Latino: 3.20%
- Native Hawaiian or Other Pacific Islander: 0.29%
- Two or More Races: 2.33%
- White: 58.79%



Cloudflare Radar

A bird's-eye view of Internet activity

Through Cloudflare Radar, our free tool that highlights timely insights, threats, and trends, we make it possible for anyone to see the inner workings of the Internet. For example, individual users and nonprofits use Radar to track outages and gain visibility into attacks and traffic trends. Radar is powered by aggregated data from our network as well as our 1.1.1.1 public DNS resolver.

Use cases include:

Examining the traffic impacts of major sporting events

Tracking disruptions caused by hurricanes and earthquakes

Analyzing the adoption of new protocols

We also publish Radar Reports, which provide an interactive and more detailed look at subjects like DDoS attacks and the Meris botnet.

Introducing Radar 2.0

In September 2022, we launched Cloudflare Radar 2.0. This upgrade provides a new user experience for uncovering insights, more types of data, and improved access to that data.

With Radar 2.0, we also introduced the Cloudflare Radar Outage Center (CROC), which is an archive for large-scale Internet outages. With our application programming interface (API), civil society groups, journalists, and other impacted parties can integrate our outage data with their own tools and systems.



Collaborating with civil society organizations

Internet shutdowns have long been a tool in government toolboxes when it comes to silencing opposition and cutting off access from the outside world.

Many shutdowns occur during public protests, elections, and wars as an extreme form of censorship in places like Afghanistan, Democratic Republic of the Congo, Ukraine, India, and Iran.

Cloudflare works with civil society organizations to provide tools to track and document the scope of these disruptions, which affect people's everyday lives and erode trust in democratic institutions. We want to support their critical work so they can demand accountability and condemn the use of shutdowns to silence dissent.

Tracking trends with Cloudflare Radar

Many civil society organizations and those who work in democracy-building use Cloudflare Radar to track trends in countries and better understand the rise and fall of Internet usage, including via real-time alerts. Through open communication and brainstorming with Radar partners, we will keep iterating and creating new tools to protect human rights in the digital age.

Learn more at radar.cloudflare.com.

"Cloudflare Radar is sometimes the first place that we hear about a shutdown, which is quite useful in a rapid response context, since we can quickly mobilize to verify the shutdown and have strong evidence when advocating against it."

— Zach Rosson, #KeepItOn Data Analyst, Access Now

"For Radar 2.0 and the API, we plan to use it as part of the data aggregation tool we are developing. This internal tool will combine several outage alert and monitoring tools and sources into one single system so that we are able to track incidents more efficiently."

— Susannah Gray, Director, Communications, Internet Society

Radar partners

THE CARTER CENTER



International Foundation for Electoral Systems









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A better Internet is sustainable.

As part of our efforts to understand our impact on the planet and to address the climate crisis, we are taking steps to reduce our carbon footprint in our operations, across our network, and throughout the lifecycle of our infrastructure.

Emissions @ Cloudflare

Our goal is to help build a greener, carbon-free Internet. To that end, Cloudflare powers our operations with 100% renewable energy, and we are working to document and account for our remaining emissions footprint.

Cloudflare services yield significant emissions savings

Preliminary findings from an upcoming study by Analysys Mason estimate that Cloudflare's Web Application Firewall (WAF) "generates up to around 90% less carbon than on-premises appliances at low-medium traffic demand." According to Analysys Mason, the study is based on modeling the use of onpremise appliances by enterprises, and comparing the energy consumption (and carbon emissions) of those appliances to the energy and carbon of equivalent functions provided by Cloudflare from its data centers. We expect the final report will be available in early 2023.

Eliminating historical emissions

Cloudflare committed to offsetting or removing all historical greenhouse gas (GHG) emissions resulting from powering our network by 2025. This year, we completed our analysis of our historical network footprint and determined that from our founding until our first offset purchases in 2018, our network emitted approximately 31,284 metric tons (MT) of carbon dioxide equivalent (CO2e). To begin to address those emissions, Cloudflare made its first offset purchase in 2022 by supporting a Verra verified REDD+ project in the state of Para, Brazil, for a total of 6,060 MT CO2e. Only 25,224 MT left to go!

Scope 3 emissions

Cloudflare continues to work on cataloging possible sources of Scope 3 emissions, which cover carbon emitted by others, including supply chain and logistics emissions. We are committed to publishing those results. We published our first carbon emissions inventory in 2020, which included Scope 1 and Scope 2 emissions. We started with those two categories to comply with Greenhouse Gas Protocol requirements. However, we also understand that in order to be fully accountable for our footprint, our future reporting must also include Scope 3 data.



Emissions @ Cloudflare

Greenhouse gas (GHG) emissions

In September, we published our second **emissions inventory** for 2021 data. We separated our calculations into Scope 1 and Scope 2.

Scope 1 emissions capture activities that emit GHGs directly into the atmosphere, like coal-fired power stations, furnaces, and gaspowered vehicles. Scope 2 emissions are indirect, capturing emissions resulting from energy purchased through the electrical grid. We also recorded two values within our Scope 2 emissions: location-based and market-based.

Location-based is a calculation of the energy used multiplied by the emissions factor of the electrical grid where the energy was consumed. Market-based emissions incorporate the environmental benefits of voluntary purchases like Cloudflare's renewable energy and carbon offset purchases.

Our emissions analysis was conducted pursuant to the GHG Protocol and ISO 14064, and reviewed and verified by an independent third party (see Appendix). Cloudflare classifies all energy consumed by its networking hardware as Scope 2 emissions.

Emissions Category		Carbon Dioxide Equivalent (CO2e) in Metric Tons (MT)	Percent of Calculated Total
Scope 1		134	100%
Scope 2 ¹ (Location-based)		15,488.03	100%
	Facilities	874.03	5.64%
	Network	14,614	94.36%
Scope 2 ² (Market-based)		0	100%
Total (Market-based) ³		0	100%

¹Location-based emissions reflect the average emissions intensity of grids on which energy consumption occurs. ²Market-based emissions reflect emissions from electricity that an organization has purposefully chosen. ³Total (Market-based) emissions include Cloudflare's 2021 verified offsets and renewable energy purchases.

Eliminating waste — recycling and repurposing hardware

A major focus of our engineering and sustainability teams in 2022 was reducing the amount of waste associated with our global network.

As a result, Cloudflare has implemented sustainability principles at every stage of our hardware design, procurement, servicing, and decommissioning processes, and we are making it easier for our customers to recycle, too.

Extending service life through modular design

As part of designing our next generation of servers, Cloudflare has implemented modular design principles that will allow our future upgrades to focus on individual hardware components rather than replacing the entire servers. This will allow our engineers to continue to improve the performance and efficiency of our hardware, while also making better use of systems and parts that do not require replacement.

In addition, Cloudflare is working with our suppliers to ensure that the new modular components we buy use open source, rather than proprietary, firmware that will allow those parts to be resold instead of being sent to a landfill.

Recycling and e-waste

Ninety-five percent of Cloudflare data centers are covered by contractual agreements to resell or recycle decommissioned Cloudflare network equipment, wherever possible. Based on data from our decommissioning partner, over the prior 12-month period, 35% of Cloudflare decommissioned hardware was either resold or recycled. Sixty-five percent was destroyed. Approximately 99.3% of destroyed items were classified as data bearing devices, including SSD cards, and were wiped and destroyed consistent with Cloudflare security requirements.

Recycling with Cloudflare and Iron Mountain

In order to make it easier to decommission and dispose of our customers' used hardware appliances in a sustainable way, Cloudflare is partnering with Iron Mountain to offer preferred pricing and value-back for our customers that recycle or remarket legacy hardware through their service. For more information, visit Iron Mountain's website.



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Sustainable workplaces

Taking a new look at how we work, in person and remotely.

Beyond making thoughtful decisions about our network and hardware, we have also been examining how to ensure our offices — and the ways we use them — align with our sustainability goals. We approach the design process from a place of curiosity, viewing our workspaces as a sort of learning lab in which we can pilot new techniques and more widely deploy successful initiatives.

Some of our changes are behavioral, like reducing the number of bottled beverages and shifting to bulk snacks. To help keep office furniture out of landfills, we have been reusing (and repurposing) our existing furniture where possible and lending unused items to work from home employees.

Some of our other sustainability-focused decisions have included:

Acoustic sound baffles made from post-consumer plastic beverage bottles instead of new synthetic fibers

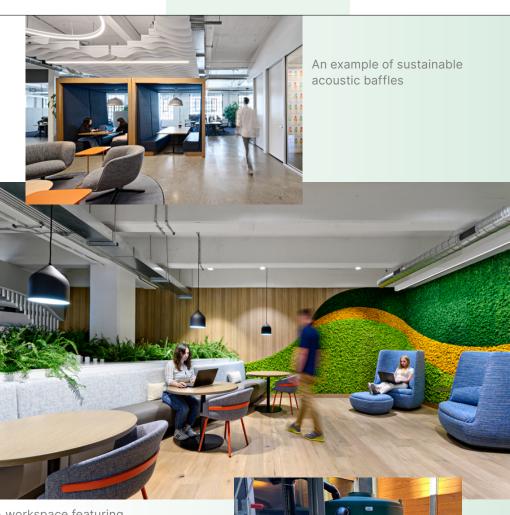
Wood wool panels on walls that resist heat and act as insulators, lowering our need for heat and air conditioning

Carpet tile flooring made with 100% recycled content nylon, including post-consumer nylon from discarded fishing nets

A 500-gallon rainwater harvesting system that provides water for plants inside our building

What we're looking forward to

One of the developments we're most excited for are EntroBees — an onsite bee colony at one of our offices. Beyond providing an essential habitat for urban bees and producing honey for our local employees, the bees will serve as an additional source of entropy for our LavaRand system that provides the source of randomness for our entire encryption system.



A workspace featuring preserved moss and live plants



Rainwater harvesting system

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More bots, more trees

Cloudflare Bot Fight Mode protects web properties from bad bots online by rerouting them to computationally intensive but meaningless tasks. In 2019, Cloudflare committed to investing in tree planting projects to help account for increased CPU usage by bad bot makers caught in Cloudflare defenses.

Good news about bad bots

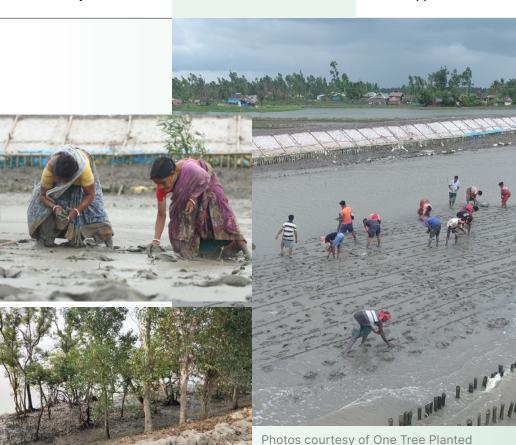
In 2022, Bot Fight Mode issued six times more challenges per day on average compared to last year thanks to a new detection system written using Cloudflare's ruleset engine. As the number of bots we blocked increased, we also saw a change: bot operators started giving up. Bots encountering Cloudflare's network are abandoning their challenges in about 1/6th of the time it takes the average good browser to pass a non-interactive challenge.

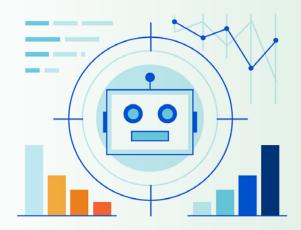
40,000 trees planted and counting!

Two of the planting projects that Cloudflare supported based on 2021 bot activity were completed this year. The first project included 25,000 trees as part of the restoration of 20 hectares of land in Victoria Park in Truro, Nova Scotia. For the second project, Cloudflare donated 10,000 trees to a much larger restoration project on the eastern shoreline of Kumirmari island in the Sundarbans of West Bengal, India. In total, the project included more than 415,000 trees along 7.74 hectares of land, including as part of the Sundarbans mangrove forest.

To recap, Cloudflare has donated 50,000 trees thus far as part of our mission to destroy bad bots online; 40,000 of those trees are already in the ground, 10,000 are being prepared for planting, and we are pleased to announce that we are donating another 20,000 for 2022!

To learn more about Bot Fight Mode and Super Bot Fight Mode, please visit cloudflare.com/pg-lp/bot-mitigation-fight-mode.





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Part of how we execute on our goal to build a better Internet — and act transparently and ethically as a company — is through our global commitments and partnerships.

The following pages contain our disclosures for the Global Reporting Initiative (GRI), Sustainability Accounting Standards Board (SASB), and UN Global Compact (UNGC).

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General Disclosure	S	Economic	Environmental	Social	SASB	l	JN
					Omission		
GRI Standard	Reference	Disclosure	Answer		Part Omitted	Reason for Omission	Explanation of Omission
Organization profile	102-1	Name of the organization	Cloudflare, Inc.				
	102-2	Activities, brands, products, and services	10-K Filing				
	102-3	Location of headquarters	101 Townsend Stre	eet, San Francisco, CA			
	102-4	Location of operations	Cloudflare Office I	Locations			
	102-5	Ownership and legal form	10-K Filing				
	102-6	Markets served	10-Q Filing 10-К Filing				
	102-7	Scale of the organization	10-Q Filing 10-K Filing				
	102-8	Information on employees and other workers	Cloudflare does no	versity-equity-and-inclusion ot have a significant portion of its ivities performed by workers who are n	lot		
	102-9	Supply chain	10-K Filing				
	102-10	Significant changes to the organization and its supply chain			Entire disclosure	Not applicable	
	102-11	Precautionary principle or approach	See A Better Interr	net is sustainable, page 30.			
	102-12	External initiatives	member of the Glo	natory of the UN Global Compact, and obal Networking Initiative. rticipates in the Pledge 1% Initiative.	a		
	102-13	Membership of associations	BSA, i2c, CCIA, Te Bitkom, Germany S American Chambe	pates in the following trade association ochUK, Eco, Asia Internet Association, Secure Online (Deutschland sicher im N or of Commerce Japan, Communication China Business Council.	Netz),		

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Strategy	102-14	Statement from senior decision-maker	See statement fro	m Cloudflare founders, page 2.			
	102-15	Key impacts, risks, and opportunities	See Engineering p See Human rights	m Cloudflare founders, page 2. rivacy into the Internet, page 15. @ Cloudflare, page 17. s, starting on page 60.			
Ethics and integrity	102-16	Values, principles, standards, and norms of behavior	Code of Business	Conduct and Ethics			
	102-17	Mechanisms for advice and concerns about ethics		mpliance @ Cloudflare, page 19. Conduct and Ethics			
Governance	102-18	Governance structure	Proxy Statement F	iling			
	102-19	Delegating authority		onmental, social, and governanc cted by the Public Policy team a eneral Counsel.			
	102-20	Executive-level responsibility for economic, environmental, and social topics		nas executive responsibility for environmental, social, and gove	rnance		
	102-21	Consulting stakeholders on	Proxy Statement F	iling			
		economic, environmental, and social topics	Multistakeholder e by the Public Polic	engagement on human rights issu sy team.	ues is led		
			Nominating and C	orporate Governance Committee	e Charter		
	102-22	Composition of the highest governance body and its committees	Proxy Statement F	iling			
	102-23	Chair of the highest governance body	Proxy Statement F	iling			
	102-24	Nominating and selecting the highest governance body	Proxy Statement F Nominating and C	illing orporate Governance Committee	e Charter		
	102-25	Conflicts of interest	Corporate Govern Audit Committee (Code of Business				

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Governance (continued)	102-26	Role of highest gover body in setting purpo values, and strategy		Nominating and Co Committee Charte	orporate Governance er				
	102-27	Collective knowledge highest governance b		Audit Committee,	nd Corporate Governance Comn and the Board of Directors were nability issues in 2022.				
	102-29	ldentifying and mana economic, environme social impacts		Audit Committee,	nd Corporate Governance Comn and the Board of Directors were nability issues in 2022.				
	102-30	Effectiveness of risk management proces	ses	Proxy Statement F	Filing				
	102-31	Review of economic, environmental, and s topics	ocial	Audit Committee,	nd Corporate Governance Comn and the Board of Directors were nability issues in 2022.				
	102-32	Highest governance role in sustainable re		Cloudflare's Impac and reviewed by it	ct Report is managed by its Gene ts CFO and CEO.	eral Counsel			
	102-33	Communicating critic concerns	al	Audit Committee,	nd Corporate Governance Comn and the Board of Directors were nability issues in 2022.				
	102-34	Nature and total num critical concerns	ber of	'	e no critical concerns as defined is report that required reporting s.				
	102-35	Remuneration policie	S	Proxy Statement F	Filing				
	102-36	Process for determin remuneration	ing	Proxy Statement F	Filing				
	102-37	Stakeholders' involve remuneration	ment in	Proxy Statement F	iling				
	102-38	Annual total compens ratio	sation	Proxy Statement F	filing				

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Stakeholder engagement	102-40	List of stakeholder groups	employees, invest materially affected it makes. As part o Cloudflare also ind	olders include its customers, use cors, partners, and any other gro d by Cloudflare's business or the of its mission to help build a bett cludes the Internet and Internet ts stakeholder groups.	ups that are e decisions er Internet,		
	102-41	Collective bargaining agreements	10-K Filing				
	102-42	Identifying and selecting stakeholders	See Project Galile See Human rights	ing privacy into the Internet, pag			
	102-43	Approach to stakeholder engagement	throughout Cloud Internally, all emplopen dialogue thr well as through Er Cloudflare Inclusio Externally, Cloudf teams regularly er Internet policy. Cloudflare regular	lare's Legal, Policy, and Trust and ngage in industry dialogue regar oudflare also participates in a nu organizations as described in 102 Ily engages in multistakeholder of tike Project Galileo, which includ ganizations.	ngage in ttforms, as and the d Safety ding imber of 2-13. Finally, consultation		
Reporting practice	102-44	Key topics and concerns raised	stakeholders thro	s input on its key topics and con- ugh a variety multistakeholder o escribed in 102-13 and 102-43. icy			
	102-45	Entities included in the consolidated financial statements	10-Q Filing 10-К Filing				

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Reporting practice (continued)	102-46	Defining report content ar topic Boundaries		all of Cloudflare's global operati iod is calendar year (CY) 2022, u		
	102-48	Restatements of informati		e were no corrections or restater in the 2021 Cloudflare Impact Re		
	102-49	Changes in reporting	There are no signi periods as describ	ificant changes from previous rej oed in 102-49.	porting	
	102-50	Reporting period	CY2022			
	102-51	Date of most recent repor	t December 2021			
	102-52	Reporting cycle	Annual			
	102-53	Contact point for questior regarding the report	impact@cloudflar	e.com		
	102-54	Claims of reporting in accordance with the GRI standards		nded to align with the disclosure lescribed in the GRI Standards.		
	102-55	GRI content index	Cloudflare 2022 G	GRI Content: Index (this documen	t).	
	102-56	External assurance	verified. See GRI 3	nhouse gas emissions were exter 305. No other section of this repo I. See SBC verification letter, pag	ort was	

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Economic performance	103-1	Explanation of material to and its Boundary	pic Economic perform growth and long-t	ance is material to Cloudflare's o erm sustainability.	continued		
			10-K Filing				
				gement teams and CEO are resp ance as defined under 201-1.	onsible for		
	103-2	The management approace and its components	ch 10-Q Filing 10-K Filing				
	103-3	Evaluation of the management approach	Proxy Statement Audit Committee (Charter			
	201-1	Direct economic value generated and distributed	10-Q Filing I 10-K Filing				
Indirect economic impacts	203-2	Significant indirect economic impacts	Cloudflare provide reliability services free service plan.	es world-class security, performa for millions of websites for free,	ance, and through its		
			important civil soc	ovides free access to additional iety and humanitarian organizat governments and candidates for	ions as well		
			See Project Galileo See Athenian Proje				
Anti-corruption	103-1	Explanation of material to and its Boundary		nitted to conducting its busines: s partnering with companies tha ist corruption.			
			-	mpliance @ Cloudflare, page 19.			
			Code of Business Third Party Code of	Conduct and Ethics of Conduct			
	103-2	The management approace and its components		es corruption and bribery issues ting such conduct, and through ication.			
			as its training requ	Cloudflare's policy on anti-corrug irements are overseen by the H ne General Counsel.			
	103-3	Evaluation of the management approach	Corporate Govern Audit Committee (

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Anti-corruption (continued)	205-2	Communication and tra about anti-corruption p and procedures		ncluding senior managers, complete t orruption at onboarding, and as part and certification.	training of		
			reseller, and par monitoring to en	ucts a thorough screening of each su tner at onboarding and with real-time sure the company is not partnering w pose a high risk of corruption.	9		
			Cloudflare has s training course f in January 2023.	elected an anti-bribery and anti-corr or its third parties, and is preparing f	uption or rollout		
	205-3	Confirmed incidents of corruption and actions	taken in 205-3 among	are of no incidents of corruption as d its employees. As a result, no employ ciplined for corruption.			
			contracted busir	are of no incidents of corruption amo ness partners. As a result, no related or discontinued on that basis.			
				are of no associated legal cases brou re or its employees.	ıght		
Anti-competitive behavior	103-1	Explanation of material and its Boundary	throughout the v	ves that competition laws and regulat vorld are designed to foster a compe I prohibit activities that restrain trade	titive		
			competition in al	dicated to compliance with laws gove Il of its activities. Any activity that une t is unacceptable.			
			Code of Busines	s Conduct and Ethics			
	103-2	The management appr and its components	bribery and anti- by its Head of Le Counsel. The pu all Cloudflare op	e behavior is covered by Cloudflare's corruption policy and training, which egal Compliance, and overseen by its rpose of Cloudflare's policy is to ensu erations are conducted in accordanc quirements and the highest ethical st	n is led General ure that re with		
	103-3	Evaluation of the management approach		rnance Guidelines e Charter			
	206-1	Legal actions for anticompetitive behavi antitrust, and monopol practices	ior, anti-competitive	nvolved in no legal actions regarding behavior, antitrust, or monopoly pra			

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Тах	103-1	Explanation of materia and its Boundary	tax laws, rules, reg the jurisdictions ir advice from exter paying all taxes th of the tax legislati	I tax policy is to comply with the gulations, and reporting requiren which it operates, as suppleme nal advisers. Cloudflare is comm at are legally due and in line with on as enacted by the governing ction in which it operates.	nents within nted with itted to n the spirit		
	103-2	The management app and its components		blicy is led by its Global Head of thief Financial Officer.	Tax and		
	103-3	Evaluation of the management approac	Corporate Govern h Audit Committee (
	207-1	Approach to tax	internal tax profes of outside adviser a whole plays a ro opportunities. Cloudflare's appro disciplined. Its into business, ensuring to all processes th with its tax obligar filing its tax return basis. Furthermor tax laws, regulation	rategy and decisions are evaluar sionals and are supplemented b s. The executive finance organiz le in all tax decisions and tax pla pach to compliance is conservatir ernal tax team monitors the active g that appropriate care is applied tat could materially affect its con- tions. Cloudflare is committed to is and remitting tax payments or e, Cloudflare actively monitors c ins, rules, and reporting requiren procedures in financial and tax r	y the advice ration as nning ve and vities of the d in relation npliance accurately a timely hanges in nents as		

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Tax (continued)	207-2	Tax governance, control, and risk management		Head of Tax reports directly to th I is responsible for the implemer ax strategy.			
			team in conjunction organization. The G	matters are managed by the inte with the Cloudflare worldwide fi obal Head of Tax and the interna ocated within the US and Portuga	nance al tax team		
			management strateg implementation of bu- to reduce the level o operations as far as monitoring of chang- and tax legislations. risk by engaging ext	ch to tax risks is to apply pruden gies while avoiding inefficiencies usiness decisions. Cloudflare se f tax risk arising from its worldw is reasonably practicable throug es in the company's business ac Further, Cloudflare seeks to ma ernal tax advisers for guidance i ex, or uncertain to ensure adequ	s in the eks ride gh active stivities nage tax in areas		
			Board of Directors w oversee managemer processes; Cloudflar and its compliance v requirements. The A	Idit Committee serves to assist ith fulfilling its responsibilities to nt's financial, accounting, and re re's system of internal financial of vith related legal, regulatory, and udit Committee's scope of respo ated to global taxation and report	o porting controls; d ethical onsibility		
			disclose tax-related quarterly and annual	EC registered filer and is require information in accordance with I reporting requirements thereur ease visit the SEC Filings section	its nder. For		
	207-3	Stakeholder engagement and management of concerns related to tax	as part of its routine deemed necessary t and regulations to its it engages with tax a	ax function engages with tax au tax compliance process and wh to appropriately apply the tax sta s facts and circumstances. Addi authorities in connection with re- ation and audits over open retur	iere atutes tionally, quests		
			tax issues.	engage in public policy advocad			
			external stakeholder	ax function engages with interna s to facilitate strategic initiative its multinational enterprise.			

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Materials	301	Materials			Entire disclosure	Not material	provid descri 301-2, materi	loud-based SaaS er, materials as bed in GRI 301-1, and 301-3 are not a ial issue as defined in 3-1 for Cloudflare.
							of any Cloud [:] have h	flare is not aware facilities in which flare operates that had a regulatory or iance issue.
Energy	103-1	Explanation of the material topic and its Boundaries	its global network Cloudflare network located in over 100 around the world.					
	103-2	The management approach and its components	Senior Vice Preside Cloudflare facilities	work is managed by the ent of Global Infrastructure. s are managed by the Senior leal Estate & Workplace				
	103-3	Evaluation of the management approach	Corporate Governa 10-K Filing	ance Guidelines				
	302-1	Energy consumption within the organization	as defined under G Cloudflare consum (GWh) total energy energy was obtain Cloudflare matche electricity with ren as part of its comm	ed 49.5 gigawatt hours in CY2021. All consumed ed through grid electricity. d its grid consumed ewable energy purchases hitment to 100% renewable did not sell any renewable				

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Energy (continued)	302-2	Energy consumption ou the organization	its data centers. In colocates data cen owned and control Cloudflare does no	es energy data from each of locations where Cloudflare iter equipment in a facility led by a third party, it record any energy used is unrelated to Cloudflare- olled equipment.				
	302-3	Energy intensity	Cloudflare consum	al revenue and energy data, ed .000075 megawatt hours or every dollar of revenue				
Water	303	Water and effluents			Entire disclosure	Not material	provid efflue 303-1 not a define for CI UN C Mand Clouc mediu enter usage aware that if have comp Clouc to be and re at ead thoug antici effort	cloud-based SaaS der, water and nts as described in through 303-5 are material issue as ed in GRI 103-1 oudflare. The EO Global Water ate does not classify flare as either a um- or high-risk prise for water 2. Cloudflare is not e of any facilities operates that had a regulatory or liance issue. flare is working ter understand educe water usage ch of its facilities, h it does not pate that those s will result in a ial disclosure.

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Emissions	103-1	Explanation of the material topic and its Boundaries	with Cloudflare op energy consumed facilities. Cloudfla	GHG) emissions associated berations are the result of by powering its network and re emissions data included cribes Cloudflare's calendar es.			
	103-2	The management approach and its components	GHG emissions ar Infrastructure, Pla	e managed by the ces, and Policy teams.			
	103-3	Evaluation of the management approach	Nominating and C Committee Charte Emissions Invento				
	305-1	Direct (Scope 1) GHG emissions	Cloudflare record emissions of 134 r dioxide equivalent				
	305-2	Energy indirect (Scope 2) GHG emissions	Cloudflare record emissions in 2021				
			tons (MT) carbon	missions: 15,488.03 metric dioxide equivalent (CO2e). issions: 0 MT CO2e. ry 2021			
	305-4	GHG emissions intensity		021 location-based emissions, d .000024 MT (CO2e) per generated.			
				d 0 market-based emissions in			

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Emissions (continued)	305-6	Emissions of ozone-depletin substances (ODS)	g		Entire disclosure	Not applicable	any O	flare is not aware of DS in its products, sses, or services.
	305-7	Nitrogen oxides (NOx), sulfu oxides (SOx), and other significant air emissions	r		Entire disclosure	Not applicable	of any that r of nit sulfur signif	Iflare is not aware of its activities esult in emission rogen oxides, oxides, or other icant air emissions fied in 305-7.
Effluents and waste	306	Effluents and waste	are covered by cor	t of Cloudflare data centers htractual agreements to resell hissioned Cloudflare network ver possible.				
			the prior 12-month decommissioned h	n Cloudflare's provider, over period, 35% of Cloudflare ardware was either resold or e percent was destroyed.				
			classified as data b	3% of destroyed items were bearing devices, including are wiped and destroyed for				
Environmental compliance	307-1	Non-compliance with environmental laws and regulations		ware of any non-compliance I laws or regulations.				

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Employment	103-1 103-2 103-3	Explanation of materiand its Boundary The management appand its components Evaluation of the management approa	programs to p Cloudflare pr Program (EAF counseling se addition, Clou digital menta Cloudflare pr a variety of fa treatment, ad referred to as proach Employment and the Presi	at Cloudflare is overseen by the Head	ance al ssistance. In on-demand it covers ility rt — also		
	401-1	New employee hires employee turnover		Dec. 15, 2022), Cloudflare hired 1,30 Id experienced a turnover rate of 15.9 , 2022).			
	401-3	Parental leave	of 16 paid we parents, with	lobal parental leave policy allows a m eks of bonding leave time for all qualit no interruption in health benefits. This y local, state, and federal benefits.	fying new		
Occupational health and safety	403-1	Occupational health a safety management s	system Cloudflare's of work environ and all others during their w the responsit safety policie of potential h the company, additional hei provided by C Cloudflare is comprehensi include emple accident repo-	lobal Safe & Healthy Workplace Policy ommitment to maintaining a safe and nent for its employees, customers, ve with whom employees come into con rork. Among other topics, the policy e ility that is shared for following Cloud s and instructions, encourages the re azards as well as injuries and acciden describes its reporting process, and alth and safety resources and program cloudflare. In the process of implementing a new ve health and safety program, which ve oyee training, site risk assessments, a riting, monitoring, and reviewing. The points expected to be complete by Q3 2 mess Conduct and Ethics	healthy endors, ntact xplains Iflare's porting ts to shares ns that are will nd program		

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Occupational health and safety (continued)	403-2	Hazard identification, r assessment, and incide investigation	ent and safety audits Places, Physical S	th and safety program includes office hea s. Results of the audit are reviewed by the Security, Employee Legal, and People tear ard identification and remediation.			
				 includes a post-incident after-action incident causes and implement necessar ures. 	У		
	403-6	Promotion of worker he		les employees with a variety of benefits a note worker health.	nd		
			includes healthca fitness program a	s to non-occupational health services are insurance, EAP, family forming benefit access through the healthcare provider, a gital mental health and well-being platfor	nd		
	403-9	Work-related injuries	work-related inju	re experienced no high-consequence			
Training and education	103-1	Explanation of materia and its Boundary	and resources for develop skills crit	velopment at Cloudflare provides the tools r all Cloudflare employees to grow and tical for success (Cloudflare Capabilities) etic and inclusive community.			
	103-2	The management appr and its components		velopment at Cloudflare is overseen by the nd the President + COO.			
	103-3	Evaluation of the management approact	n (at all levels) are o program encomp leadership, role a	e want to be a place where the best leader developed. Our Leading @ Cloudflare basses learning paths around personal is a manager, creating inclusive teams, an mbers develop and perform.			
	404-1	Average hours of traini year per employee	for 2022, they co	s who participated in development training mpleted a total of 3,720 hours. On averag ompleted 3.1 hours of training.			

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GRI Standard	Reference	Disclosure		Answer		Part Omitted	Reason for Omission	Explanation of Omission
Diversity and equal opportunity	103-1	Explanation of materi and its Boundary	al topic		oudflare, page 27. @ Cloudflare, page 26. y, Equity, and Inclusion			
	103-2	The management app and its components	oroach	of People and the F initiatives are also	y initiatives are overseen by the He President + COO. Cloudflare divers advanced by its Employee Resourc xecutive champions.	sity		
				Cloudflare Diversit	y, Equity, and Inclusion			
	103-3	Evaluation of the management approa	ch	10-K Filing				
	405-1	Diversity of governar bodies and employee		Cloudflare Diversit	y, Equity, and Inclusion			
	405-2	Ratio of basic salary remuneration of wom to men		once a year. Cloud	ts an internal pay parity analysis at flare has committed to the EU Cha arter, and the German Diversity Ch	rter, the		
				Cloudflare Diversit	y, Equity, and Inclusion			
Freedom of association and collective bargaining	103-1	Explanation of materi and its Boundary	al topic	to freedom of asso federal and local la	zes and respects its employees' rig ciation and collective bargaining w ws and regulations. Cloudflare is a _O Declaration on Fundamental Pri	vithin also		
				Human Rights Polic	су			
	103-2	The management app and its components	oroach	10-K Filing				
	103-3	Evaluation of the management approa	ch	10-К Filing				
	407-1	Operations and supp which the right to fre of association and cc bargaining may be at	edom ollective	to freedom of asso federal and local la committed to the II and Rights at Work Human Rights Polic	су	vithin also nciples		
				rights of employee were at risk.	ware of any operations in 2022 in v s to freely associate or collectively	/ bargain		

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GRI Standard	Reference	Disclosure	Answer		Part Omitted	Reason for Omission	Explanation of Omission
Child labor	103-1	Explanation of material topi and its Boundary	Fundamental Princ prohibition on the its suppliers. Human Rights Poli				
			Third Party Code of	of Conduct			
	103-2	The management approach and its components	compliance trainin	loyees are required to complete mano g, including regarding Cloudflare's hu h includes its prohibition on child labo	iman		
			regularly reviewed leadership teams a and vendors begir	, resellers, suppliers, and vendors are by legal, compliance, security, and so at Cloudflare. Evaluations of suppliers or during the onboarding process and a sed for any material changes.	enior		
	103-3	Evaluation of the management approach		n Rights Policy is overseen by the Dir Impact; VP, Global Head of Public Po sel.			
				Party Code of Conduct is overseen by npliance and General Counsel.	y its		
	408-1	Operations and suppliers at significant risk for incidents child labor		ware of any of its operations or suppli nt risks for incidents of child labor or o hazardous work.			
			labor, it continues	re has identified no significant risk of to regularly review its partners, resell dors to ensure compliance with its po	ers,		
Forced or compulsory labor	103-1	Explanation of material topi and its Boundary	Fundamental Princ Cloudflare express	nitted to the ILO Declaration on siples and Rights at Work. To that end sly prohibits forced or compulsory lab mong its suppliers.			
			Modern Slavery Ao Human Rights Poli Third Party Code o	су			
	103-2	The management approach and its components	compliance trainin	loyees are required to complete mano g, including regarding Cloudflare's ed or compulsory labor.	datory		
			regularly reviewed leadership teams a and vendors begir	, resellers, suppliers, and vendors are by legal, compliance, security, and so at Cloudflare. Evaluations of suppliers o during the onboarding process and a sed for any material changes.	enior		

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							Omission		
GRI Standard	Reference	Disclosure	,	Answer			Part Omitted	Reason for Omissior	Explanation of Omission
Forced or compulsory labor (continued)	103-3	Evaluation of the management approac	ch p a (oolicies, including ire overseen by it	ern Slavery Act Statement and ass prohibition on forced or compuls s Head of Legal Compliance and ewed and approved by Cloudflare	ory labor, General			
	409-1	Operations and supp significant risk for inc forced or compulsory	idents of t labor c i a i t t	hat have significa compulsory labor. n 2022, as in prev explicitly prohibit and among its sup to significant risk o regularly review	ware of any of its operations or s ant risks for incidents of forced or vious years, Cloudflare continues forced or compulsory labor in its opliers. Although Cloudflare has ic of forced or compulsory labor, it v its partners, resellers, suppliers, compliance with its policy.	to operations dentified continues			
Human rights assessments	103-1	Explanation of materi and its Boundary	al topic	luman Rights Poli	icy				
	103-2	The management app and its components	broach H	luman Rights Poli	icy				
	103-3	Evaluation of the management approa		luman Rights Poli	icy				
	412-1	Operations that have been subject to huma rights reviews or impa assessments	in s act l i i a	elf-assessment c nitiative's (GNI) hi n addition, Cloudi n multistakeholde	duled to complete its first human consistent with the Global Networ uman rights principles in January flare's Public Policy team regularly er dialogue on human rights issue and UN B-Tech Project Communi	k 2023. y engages s, including			
	412-2	Employee training on rights policies or proc		All Cloudflare emp n 2022.	ployees completed human rights t	raining			
Supplier social assessment	414-1	Supplier social asses	i	mplementing a ne	irement team is in the process of ew software tool that will enable t n suppliers using social criteria be				

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GRI Standard	Reference	Disclosure		Answer			Omission Part Omitted	Reason for Omission	Explanation of Omission
Public policy	103-1	Explanation of materi and its Boundary	al topic	the company and r	Policy team serves as a conduit egulators, policymakers, civil soc y issues relevant to Cloudflare's r Internet	ciety, and			
	103-2	The management app and its components	broach	of the Internet is af and people. We be a better Internet, w Cloudflare's perspe conversations abo why we believe str We publish descrip disclosure forms an	ny, Cloudflare sees the way that fected by governments, regulation lieve that if we want to help build we have to make sure that we shat active in the many places where is ut the Internet are happening. An ongly in the value of public policy butions of our lobbying activities in and transparency registers of gover ions where these exist.	ons, I re important id that is y. I lobbying			
	103-3	Evaluation of the man approach	agement		eam is overseen by the Vice Pres blic Policy and the General Couns				
	415-1	Political contributions	;	not operate a Politi Cloudflare particip industry groups; ho is primarily organiz	o political contributions in 2022, ical Action Committee. ates in several trade association: owever, none of those organizatio ted for the purpose of making pol more information, see 102-13.	s and ons			
Customer privacy	103-1	Explanation of materi and its Boundary	al topic		rivacy into the Internet, page 15. ecurity compliance certifications,	page 16.			
	103-2	The management app and its components	oroach		y and associated policies are ove Officer and General Counsel.	erseen by			
	418-1	Substantiated compla concerning breaches customer privacy and of customer data	of		receive any substantiated compl es of customer privacy and losse 022.				
Socioeconomic compliance	419-1	Non-compliance with regulations in the eco social area		Cloudflare is not av regulations in the s	ware of any non-compliance with social area.	laws or			

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SASB - Technolog & Communications Topic		Software & IT Service Accounting Metric	S	Category	Answers		
Environmental footprint of hardware infrastructure	TC-S1-130a.1	1) Total energy consu 3) percentage renewa	med, 2) percentage grid electricity able	,	was obtaine consumed e its commitm any renewa	consumed 49.5 GWh in 2021. ed through grid electricity. Cle electricity with renewable ener nent to 100% renewable ener ble energy in 2021.	oudflare matched its grid ergy purchases as part of
	TC-S1-130a.2	1) Total water withdra percentage of regions Baseline Water Stress	wn, (2) total water consumed, s with High or Extremely High s		See GRI 303	3.	
	TC-SI-130a.3		gration of environmental rategic planning for data center		in its data co designs and	ncludes both energy efficien enter strategic planning. Clou I deploys energy-efficient ha its overall energy footprint p	udflare also continuously rdware in its data centers
Data privacy & freedom of expression	TC-SI-220a.1	Description of policie to behavioral advertis	s and practices relating ing and user privacy		Privacy Poli Cloudflare (cy Cookie Policy	
	TC-SI-220a.2	Number of users who secondary purposes	se information is used for		of providing assessment	only processes personal infor the Cloudflare service, whic of traffic patterns, security n order to monitor the health	h includes ongoing hreats, and network
	TC-SI-220a.3	Total amount of mone proceedings associat	etary losses as a result of legal ed with user privacy			did not experience any monet edings associated with custo	
	TC-SI-220a.4	information, 2) numbe	prcement requests for user er of users whose information was tage resulting in disclosure		from US and civil litigatio	receives requests for differen d foreign governments, court on. It provides a detailed repo Transparency Report. cy Report	s, and those involved in

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SASB - Techno & Communicati Topic		Software & IT Servic Accounting Metric	es	Category	Answers	
Data privacy & freedom of expression (continued)	TC-SI-22		ere core products or services are nt-required monitoring, blocking, censoring		An essential part of earning and maintaining the trust of Cloudflar customers is being transparent about the requests Cloudflare receives from law enforcement and other governmental entities. To this end, Cloudflare publishes semiannual updates to its Transparency Report on the requests it has received to disclose information about Cloudflare customers. In addition, Cloudflare maintains a list of warrant canaries on its website, which list actions Cloudflare has never taken, and commits to exhausting all legal remedies in order to protect its customers from what the company believes are illegal or unconstitutional requests. Cloudflare also may receive written requests from law enforcement, government agencies, or foreign courts to block access to content based on the local law of the jurisdiction. Because of the significant potential impact on freedom of expression, Cloudflare will evaluate each content blocking reque on a case-by-case basis, consistent with its human rights policy, analyzing the factual basis and legal authority for the request. If Cloudflare action, it may limit blocking of access to the content to those areas where it violates local law, a practice known as "geo blocking." Cloudflare will attempt to clarify and narrow overbroat requests when possible. Cloudflare reports on these requests in semiannual Transparency Report. Cloudflare has also received a small number of legal requests related to blocking or filtering content through the 1.1.1 Public DNS Resolver. Because such a block would apply globally to all users of the resolver, regardless of where they are located, it wo offect end users outside of the blocking government's jurisdictio Cloudflare therefore evaluates any government requests or court orders to block content through a globally available public recursive resolver as requests or orders to block content globally diseal approaches to DNS-based blocking, Cloudflare has pursu legal remedies before complying with requests to block access to domains or content through the 1.1.1 P	e est ', to)- d n its puld on.

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SASB - Technolog & Communication Topic	gy s Sector Code	Software & IT Service Accounting Metric	25	Category	Answe	ers		
Data security	TC-SI-230a.1	1) Number of data bro personally identifiabl users affected	eaches, 2) percentage involving e information (PII), 3) number of		See GI	RI 418-1.		
	TC-SI-230a.2		ach to identifying and addressing Including use of third-party cyber		adhere 27018; third-p	Tare has implemented a formal s es to industry standards such as PCI DSS; SOC 2 Type II; and C5 party assessors against the requ Tare Trust Hub	ISO 270 ; and has	00, 27701, and s been evaluated by
Recruiting and managing a global, diverse & skilled workforce	TC-SI-330a.1	Percentage of emplo and 2) located offsho	yees that are (1) foreign nationals pre		Austra Canad France Germa Japan: Nether Portug Singap UAE: 1 UK: 25 US: 9% India: 0 South China:	a: 13% e: 8% iny: 20% : 18% rlands: 33% gal: 46% bore: 48% 00% % % 6 0% Korea: 0%		
	TC-SI-330a.3	Percentage of gende representation for 1) 3) all other employee	r and racial/ethnic group management, 2) technical staff, and s			lare Diversity, Equity, and Inclus		

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SASB - Technology & Communications S	Sector	Software & IT Service	S			
Торіс	Code	Accounting Metric		Category	Answers	
Intellectual property protection & competitive behavior	TC-SI-520a.1	Total amount of mone proceedings associat regulations	tary losses as a result of legal ed with anti-competitive behavior		Cloudflare incurred no monetary losses rest anticompetitive behavior regulations.	ulting from
systemic risks	TC-SI-550a.1	Number of 1) perform disruptions; 3) total c	ance issues, and 2) service ustomer downtime		Cloudflare modified its disclosure consister Standards Application Guidance.	t with the SASB
from technology disruptions					In June 2022, Cloudflare experienced an ou hours affecting 19 data centers following a configuration. This caused some users to be Internet properties.	change in network
					In October 2022, the company experienced affected customers using Tiered Cache for hours; affected customers reported HTTP S The incident was caused by a bug in a softw	a period of almost six tatus Code 530 errors.
	TC-SI-550a.2	Description of busine disruptions of operati	ss continuity risks related to ons		10-Q Filing	

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UN Ten Principles

Human Rights	Cloudflare Action	Outcomes
Principle 1: Businesses should support and respect the protection of internationally proclaimed human rights; and	Cloudflare maintained its commitment to respecting human rights under the UN Guiding Principles on Business and Human Rights (UNGPs) in 2022.	In 2022, Cloudflare instituted mandatory human rights training for all employees, including its senior management team, regarding the company's commitment to the UNGPs.
	In addition, Cloudflare participated in numerous multistakeholder initiatives committed to advancing international human rights.	Cloudflare was a full-term member of the Global Network Initiative (GNI) in 2022, which is committed to helping protect and advance freedom of expression and privacy online. As part of its participation, Cloudflare participated in regular briefings with GNI members and civil society experts on topical human rights issues related to the technology industry.
		Cloudflare also participated in the B-Tech Project Community of Practice, which is a working group operated by the UN High Commissioner on Human Rights' office, that works to provide authoritative guidance and resources for technology companies implementing the UNGPs.
Principle 2 : make sure that they are not complicit in human rights abuses.	Cloudflare continues to develop and implement human rights due diligence processes across its operations, as well as consult with a variety of stakeholder organizations on topical human rights issues.	Cloudflare continues to work toward its first comprehensive self-assessment of its internal human rights practices as required under the GNI Principles. Cloudflare's assessment will be presented to the GNI Board of Directors.
Labor	Cloudflare Action	Outcomes
Principle 3: Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining;	As part of Cloudflare's commitment to the ILO Declaration on Fundamental Principles and Rights at Work, Cloudflare works to uphold freedom of association and the effective recognition of the right to collective bargaining.	As reported in Cloudflare's 10-K filing, the company has not experienced any work stoppages, and believes its employee relations are strong. Cloudflare was named to Newsweek's 100 Most Loved Workplaces 2022, ranking at #55. Newsweek and BPI surveyed more than a million employees of hundreds of companies, asking about job satisfaction, emotional connection, collaboration, and many other factors.
Principle 4: the elimination of all forms of forced and compulsory labor;	Cloudflare explicitly prohibits human trafficking and the use of involuntary labor.	All Cloudflare employees completed mandatory compliance training, including regarding Cloudflare's prohibition on forced or compulsory labor, in 2022.
		Cloudflare's legal compliance staff regularly reviews and evaluates business partners, resellers, suppliers, and

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Labor (continued)	Cloudflare Action	Outcomes
Principle 5: the effective abolition of child labor; and	Cloudflare is committed to the ILO Declaration on Fundamental Principles and Rights at Work, including the prohibition on the use of child labor in its operations or among its suppliers. Human Rights Policy Third Party Code of Conduct	Cloudflare's legal compliance staff regularly reviews and evaluates business partners, resellers, suppliers, and vendors to ensure compliance with Cloudflare policies, including regarding forced or compulsory labor. In 2022, all employees completed training on Cloudflare's human rights policy, which includes its prohibition on child labor.
Principle 6: the elimination of discrimination in respect of employment and occupation.	Diversity, equity, and inclusion are essential to the success of Cloudflare. Since its founding, Cloudflare has worked to cultivate and maintain an inclusive workplace that empowers all employees to show up, as their full selves, and do their best work.	All Cloudflare employees completed training on harassment and discrimination in 2022. In June, Cloudflare held a companywide week on antiracism training and education, including allyship workshops, training on unconscious bias, training on recognizing and responding to signs of distress and cultural considerations, and healing circles for Black Cloudflare employees. Cloudflare also provides additional antiracism resources like racial equity training. Cloudflare managers are provided access to additional training courses on antiracism allyship, inclusive people management, and inclusive interviewing. To help improve transparency and accountability associated with its ongoing efforts to improve diversity, Cloudflare published its employee diversity data in 2022. In 2022, Cloudflare implemented a new Third Party Code of Conduct that requires all suppliers to have clear policies and enforcement of anti-discrimination and harassment.
Environmental Principle 7: Businesses should support a precautionary approach to environmental challenges; Principle 8: undertake initiatives to promote greater environmental responsibility; and	 Cloudflare Action Cloudflare is committed to: Powering its network with 100% renewable energy. Removing or offsetting all historical emissions resulting from powering Cloudflare's network by 2025. 	Outcomes In 2022, Cloudflare published its CY2021 emissions inventory disclosing its Scope 1 and Scope 2 emissions. In 2022, Cloudflare purchased 49.5 GWh of renewable energy to account for its global energy use. Cloudflare reported zero market-based Scope 1 and Scope 2 emissions in 2021. Cloudflare published its second greenhouse gas (GHG) emissions inventory in 2022, which was prepared consistent with the Greenhouse Gas Protocol and was independently verified.
Principle 9: encourage the development and diffusion of environmentally friendly technologies.	Cloudflare is developing environmentally friendly technologies by helping our customers use the power of Cloudflare's network to leverage better climate outcomes. See Emissions @ Cloudflare, page 31.	

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Anti-Corruption	Cloudflare Action	Outcomes
Principle 10: Businesses should work against corruption in all its forms, including extortion and bribery.	Cloudflare's policy against bribery and corruption is reflected in its Code of Business Conduct and Ethics, as well as its internal-facing Anti-Bribery and Corruption Policy and employee handbook. Cloudflare conducts a thorough screening of each supplier, reseller, and partner at onboarding and with real- time monitoring, to ensure that it is not partnering with companies that pose a high risk of corruption.	Cloudflare is committed to conducting its business with integrity, as well as partnering with companies that share its same values against corruption. In 2022, all employees completed training on bribery and corruption at onboarding, and as part of annual training and certification. In 2022, Cloudflare implemented a new, robust Third Party Code of Conduct, which includes its commitment against

UN Sustainable Development Goals

SDG 4. Quality Education

Cloudflare Initiative	Key SDG Subtarget	Outcomes
Support for US Historically Black College and Universities (HBCU) technology competition.		In 2022, Cloudflare supported the HBCU Smart Cities program, which partners student participants with city officials from historically Black cities and towns to help solve public policy challenges. Cloudflare was proud to offer free access to its products, provide mentors to student teams, and participate in a town hall event.

SDG 5. Gender Equality

Cloudflare Initiative	Key SDG Subtarget	Outcomes
Commitments to gender equality and pay equity.		Cloudflare signed several diversity charters to improve accountability for its gender equality and pay equity efforts, including the EU Charter and UK Tech Talent Charter. Cloudflare has also committed to the German Diversity Charter.

SDG 7. Affordable and Clean Energy

Cloudflare Initiative	Key SDG Subtarget	Outcomes
Commitment to 100% renewable energy.		Cloudflare matched its 2021 energy use with 100% renewable energy purchases.
		Cloudflare's corporate headquarters in San Francisco, California, is powered by 100% Green-e Energy certified renewable energy, provided through CleanPowerSF's SuperGreen service.

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SDG 9. Industry, Innovation and Infrastructure

Cloudflare Initiative	Key SDG Subtarget	Outcomes
Helping underserved communities expand access to the Internet for free.	Target 9.c - Significantly increase access to information and communications technology and strive to provide universal and affordable access to the Internet in least developed countries by 2020.	In 2022, Cloudflare expanded Project Pangea to include community networks without their own dedicated IP space. Project Pangea helps locally built, community networks to connect to the global Internet through the Cloudflare network for free.
		Cloudflare was proud to join the newly created Montgomery, Alabama, Internet Exchange (MGMix), which has significantly improved Internet speed and performance in a historically underserved area.

SDG 13. Climate Action

Cloudflare Initiative	Key SDG Subtarget	Outcomes
Cloudflare published its second comprehensive greenhouse gas emissions inventory report. Commitment to mitigate Cloudflare's historical carbon		In 2022, Cloudflare published its second emissions inventory, which documents the company's 2021 Scope 1 and Scope 2 emissions, consistent with the GHG Protocol,
emissions footprint.		and was verified by an independent third-party reviewer. Cloudflare is also committed to offsetting or removing all
		historical emissions associated with powering its network by 2025. In 2022, Cloudflare purchased its first set of offsets as part of that commitment, which included 6,060 MT CO2e in offsets as part of the REDD+ project in the state of Para, Brazil.
		In 2022, Cloudflare supported the planting of an additional 20,000 trees as part of reforestation projects in Mexico and Portugal through its partner One Tree Planted.

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SDG 14. Life Below Water

Cloudflare Initiative	Key SDG Subtarget	Outcomes
Creating more sustainable workplaces by reducing the use of plastics and leveraging recycled materials in construction.		In 2022, Cloudflare renovated its corporate headquarters in San Francisco and its London office, and included a number of sustainable products designed to support life below water, including:
		 Selecting carpet tile flooring made with 100% recycled content nylon, including post-consumer nylon from discarded fishing nets. In addition, profits from that supplier are reinvested in ocean and beach restoration.
		 Installing a 500-gallon rainwater harvesting system that provides water for plants inside the building.
		 Installing sound baffles made from post-consumer plastic beverage bottles instead of new synthetic fibers.
		 Significantly reducing or eliminating single-use plastics like bottled beverages and individually wrapped food items.

SDG 15. Life on Land

Cloudflare Initiative	Key SDG Subtarget	Outcomes
Offsetting our historical emissions and mitigating the carbon impact of malicious bots online by supporting tree planting projects.	 Target 15.1 - By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements. Target 15.2 - By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally. 	In 2022, Cloudflare purchased its first set of offsets as part of its commitment, which included 6,060 MT CO2e in offsets as part of the REDD+ project in the state of Para, Brazil. In 2022, Cloudflare supported the planting of an additional 20,000 trees as part of reforestation projects in Mexico and Portugal through its partner One Tree Planted.

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SDG 16. Peace, Justice and Strong Institutions

Cloudflare Initiative	Key SDG Subtarget	Outcomes
Free Cloudflare services, including protection from distributed denial-of-service (DDoS) and other cyber attacks, for journalists, artists, humanitarian organizations, and civil society groups.	Target 16.10 - Ensure public access to information and protect fundamental freedoms, in accordance with national legislation and international agreements.	As of November 2022, 2,150 civil society organizations in 100+ countries were receiving free cyber security services through Cloudflare's Project Galileo.
	Target 16.3 - Promote the rule of law at the national and international levels and ensure equal access to justice for all.	Cloudflare partners with 50 civil society organizations to review and approve websites included in the Galileo program.
	Target 16.6 - Develop effective, accountable and transparent institutions at all levels.	In 2022, Cloudflare expanded Project Galileo by making its Zero Trust security products available to program participants.
	Target 16.7 - Ensure responsive, inclusive, participatory and representative decision-making at all levels.	partoipartoi
Protecting state and local governments with free protection and reliability services to ensure constituents have access to election information and voter registration online.		In 2022, Cloudflare's Athenian Project protected 366 state and local government web domains that provide information on voter registration, polling places, and final election results in 31 US states.
		In 2022, Cloudflare expanded the Athenian Project by making its Zero Trust security products available to all program participants.
Protecting candidates in democratic elections from cyber attacks.		Through a partnership with Defending Digital Campaigns, Cloudflare protected 56 House campaigns, 15 political parties, and 34 Senate campaigns during the 2022 US midterm elections via the program Cloudflare for Campaigns.
Internet shutdown monitoring and alerts to support human rights defenders.		Cloudflare Radar, a free tool that highlights timely insights, threats, and trends, makes it possible for anyone to see the inner workings of the Internet. For example, individual users and nonprofits use Radar to track outages and gain visibility into attacks and traffic trends. Radar is powered by aggregated data from the Cloudflare network as well as the 1.1.1 public DNS resolver.
		In 2022, Cloudflare launched Cloudflare Radar 2.0. This upgrade provides a new user experience for uncovering insights, more types of data, and improved access to that data.
		Radar 2.0 also introduced the Cloudflare Radar Outage Center (CROC), which is an archive for large-scale Internet outages. With an application programming interface (API), civil society groups, journalists, and other impacted parties can integrate Cloudflare outage data with their own tools and systems.
Protecting critical infrastructure through Project Safekeeping		In 2022, Cloudflare launched Project Safekeeping, which will allow local and municipal critical infrastructure providers in Australia, Germany, Japan, Portugal, and
Cloudflare Impact Report 2022		the United Kingdom to access Cloudflare's Zero Trust

CEO letter: UN Global Compact

December 16, 2022

H.E. António Guterres Secretary-General United Nations New York, NY 10017

Mr. Secretary-General,

As a signatory of the United Nations (UN) Global Compact, Cloudflare remains committed to the UN Ten Principles and supporting the advancement of the UN Sustainable Development Goals. As part of that commitment, Cloudflare is proud to share our 2022 Communication on Progress with the UN Global Compact community and our stakeholders.

Cloudflare continued to identify ways to leverage our global network to help promote sustainable development in 2022. For example, we recently announced that participants in Cloudflare's Project Galileo, which includes over 2,150 journalists, humanitarian organizations, and human rights defenders in 100+ countries, will now have access to our Zero Trust cyber security services for free. We also continued to grow and expand our free cyber security offerings for US state and local government election web properties, as well as small critical infrastructure providers in the United States, Australia, Germany, Japan, Portugal, and the United Kingdom. Finally, we continued to expand programs intended to promote Internet access, including connecting small rural networks to the global Internet for free and investing in Internet exchanges in historically underserved areas.

Cloudflare's participation as a signatory in the UN Global Compact continues to help align our corporate responsibility and sustainability initiatives with global development goals, and advance our mission to help build a better Internet. I'm proud to share this report on our progress.

Sincerely,

Matthew Prince Co-Founder & CEO Cloudflare

Everyone

SBC verification letter

Cloudflare Attn: Patrick Day 101 Townsend St San Francisco, CA 94107

Sustainable Business Consulting 3409 California Ave SW, Suite C Seattle, WA 98116

July 2, 2022

Dear Patrick,

Sustainable Business Consulting (SBC) is pleased to provide an independent and impartial verification of Cloudflare's 2021 Greenhouse Gas (GHG) inventory. SBC has provided 15 years of sustainability consulting services and is a Certified B-Corporation and a CDP Accredited Provider. SBC used ISO 14064-part 3, 2nd Edition, 2019-04, to conduct a limited assurance verification. This letter is to clarify matters set out in the assurance report. It is not an assurance report and is not a substitute for the assurance report. This letter and the assurance report, including the opinion(s), are solely for Cloudflare's benefit. SBC consents to the release of this letter but without accepting or assurance report.

This verified emissions report encompassed Cloudflare's operations for the 2021 calendar year, January through December 2021. Cloudflare reports GHG emissions using an operational control approach encompassing global operations including offices and data centers. The company assessed emissions for Scope 1, direct emissions, and Scope 2, indirect emissions. Scope 3 emissions are excluded. Included emissions are as follows:

- Scope 1 Emissions: Direct emissions associated with natural gas used to heat offices.
- Scope 2 Emissions: Indirect emissions associated with purchased electricity in offices and co-located data centers.

The verification confirms the accuracy and completeness of the information provided to substantiate Cloudflare's 2021 GHG emissions reporting. Cloudflare's total reported emissions are 15,622.03 MT CO2e. Verified emissions by scope are as follows:

- Scope 1: 134 Mt CO2e
- Scope 2: 15,488.03 MT CO2e (location based)

SBC has found no evidence that Cloudflare's 2021 GHG emissions reports or data were incorrect, as everything was found to be presented fairly and in accordance with stated criteria in line with the GHG Protocol Corporate Accounting and Reporting Standard and the ISO 14064 Standard.

The verification statement is signed by a Lead Verifier and Peer Reviewer. The Verifier and Peer Reviewer have a combined 30 years of experience in Sustainability Consulting.

Courtney Blann, Lead Verifier (MBA Strategy and Sustainability, MPS Data Analytics) July 2, 2022

Ruth Lee

Ruth Lee, Peer Reviewer (BA, Community, Environment Date & Planning) July 2, 2022

For more information, please visit cloudflare.com/impact.