



Ebook

# How Cloudflare strengthens security everywhere you do business



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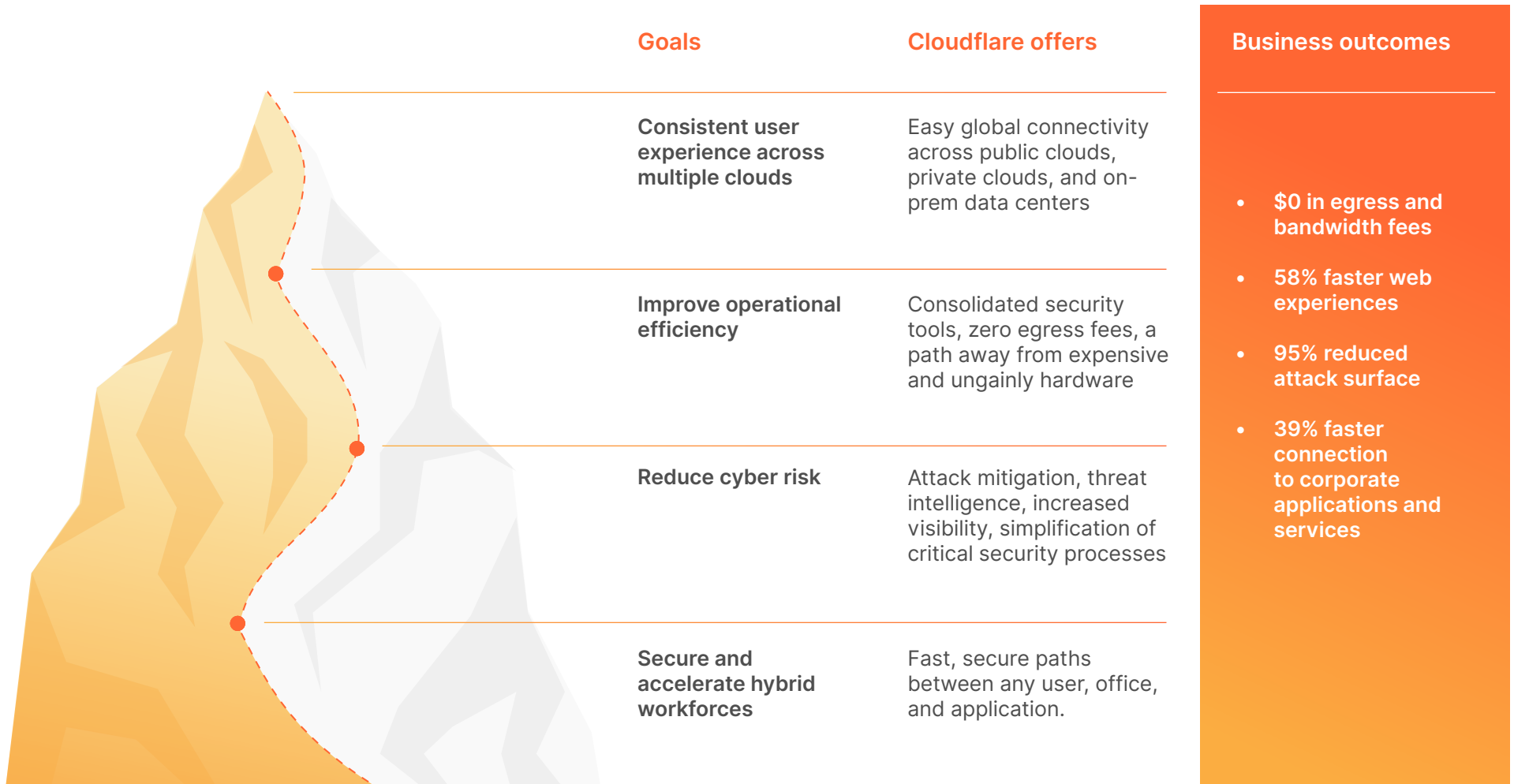
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## **Cloudflare secures (and accelerates) corporate applications, networks, websites, and employees.**

Our unified security platform brings together Zero Trust security, web application and API security, and corporate network security — along with other critical IT services — on a single powerful cloud network, helping organizations see more and protect more wherever they do business.

# Cloudflare supports CxO priorities

CIO, CISOs, and other technology leaders have diverse digital agendas. The Cloudflare platform helps leaders deliver:



# The power of the Cloudflare platform

Our network spans hundreds of global cities, incorporates dozens of deeply integrated products, and sits within milliseconds of 95% of the world's Internet-connected population.

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## Cloudflare platform is simultaneously:



A single, unified security platform — powered by unparalleled threat intelligence



A global “fast lane” for your internal and public-facing traffic



A seamless management layer for any cloud deployment



An enabler of data privacy and compliance



A foundation for agile application development

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## Because it:

Stops (and learns from) over one hundred billion attacks per day.

Enforces any type of security policy from anywhere on Earth.

Sees around 1/5 of all Internet traffic.

Interconnects with tens of thousands of ISPs, exchange points, SaaS applications, and cloud providers.

Works with all kinds of clouds: public, private, multi, and hybrid.

Runs security and networking on the same infrastructure.

Enforces data locality and privacy rules across diverse global regions.

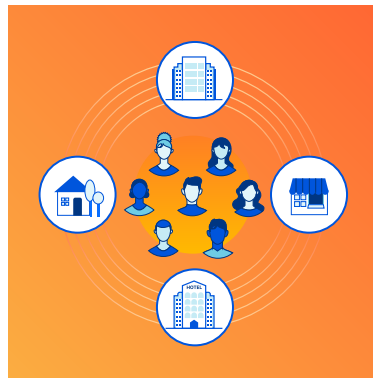
Runs serverless code.  
Provides cloud storage.  
Doesn't charge for bandwidth or data egress.

# What services does Cloudflare offer?

IT and security teams deserve better than a tangle of semi-compatible point solutions. Cloudflare offers a path out of IT chaos by unifying a huge variety of services on a single cloud security platform.

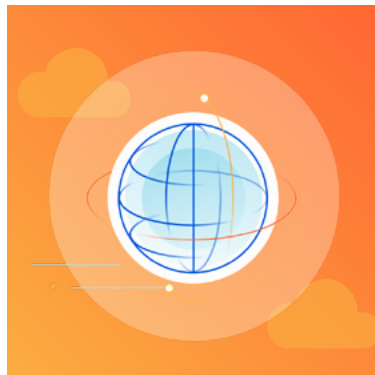
## 1. Securing hybrid work

Securing and monitoring application access, keeping malware off of networks, blocking malicious email, and other hybrid workforce needs.



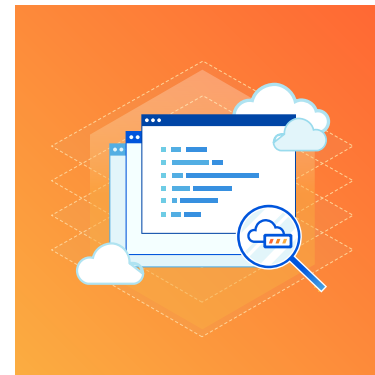
## 2. Protecting and accelerating websites and applications

Blocking the attacks and vulnerabilities that knock web properties online, and delivering fast, reliable online customer experiences.



## 3. Transforming corporate networks

Cloud-based networking, traffic acceleration, network DDoS mitigation, and other services.



## 4. Developing and running new apps

Cloud-based, globally distributed services for serverless code, JAMstack development, object storage, and more.

# 1 Cloudflare secures hybrid work



Enabling remote collaboration is a big priority post COVID-19...Cloudflare Access saved us from having to develop our own Identity and Access Management system. We went all-in, everyone in the company has an Access seat.”

Jim Tyrrell  
Head of Infrastructure



Cloudflare Zero Trust Services is the fastest, most efficient Zero Trust application access and Internet browsing platform. It offers:

- Zero Trust network access
- Secure web gateway
- Cloud access security broker
- Cloud email security
- Remote browser isolation
- Data loss prevention
- Digital experience monitoring

These services are designed to work together, and live everywhere in the Cloudflare global cloud network. As a result, it's much easier for organizations to get benefits like:

### Reducing excessive trust:

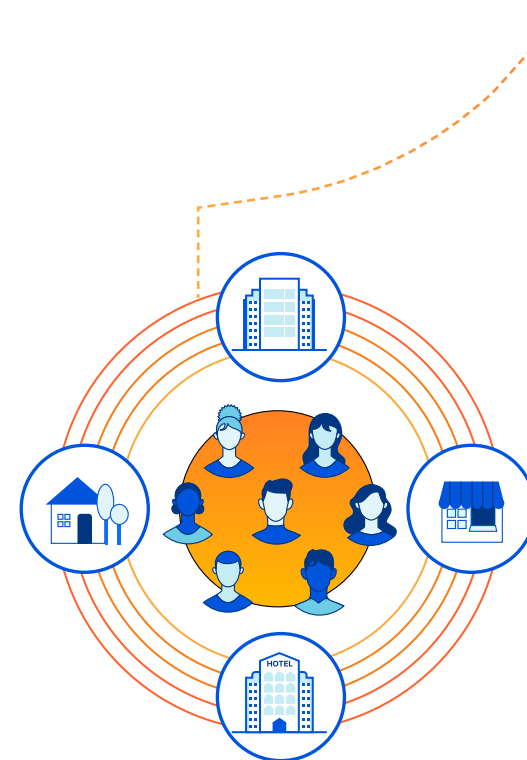
Protect applications with identity- and context-based Zero Trust rules.

### Eliminating complexity:

Reduce reliance on legacy point products and apply standard security controls to all traffic.

### Restoring visibility:

All private and public web, email, network, DNS, and SSH requests — plus SaaS posture attributes — are logged and analyzed.



## 2

# Cloudflare protects and accelerates websites and applications



With the help of Cloudflare, we were able to add a layer of network security including WAF and DDoS. Cloudflare also allowed us to keep costs under control with caching and improved speed.”

Philippe Mermuys  
Information Security Manager



Cloudflare Application Services keeps applications and APIs secure — while enhancing their performance and reliability — through:

- Layer 7 DDoS mitigation
- Web application firewall with advanced rate limiting
- Bot management
- API gateway
- Client-side attack mitigation
- TLS/SSL
- Load balancing
- CDN & DNS

These services can all run from everywhere on the Cloudflare network, offering organizations benefits like:

### No security and performance trade-offs:

No backhauling or traffic throttling, ever.

### Closing security gaps:

A single rules engine underpinning all application security protections.

### More precise, data-driven security:

Threat intelligence informed by analysis hundreds of billions of daily attacks.





### 3 Cloudflare transforms corporate networks



Cloudflare has reliable infrastructure and an extremely competent and responsive team. They are well-positioned to deflect even the largest of attacks.”

Faidon Liambotis  
Director of Site Reliability  
Engineering



Cloudflare Network Services lets organizations use our secure, high-performing cloud network as an extension of their own, via

- **WAN-as-a-service**
- **Firewall-as-a-service**
- **L3 & L4 DDoS mitigation**
- **Network Interconnect**
- **Smart routing**
- **Intrusion detection / Intrusion prevention systems**

These services integrate out of the box, and offer secure end-to-end and any-to-any connectivity, helping organizations achieve benefits like:

#### **Faster business transformation:**

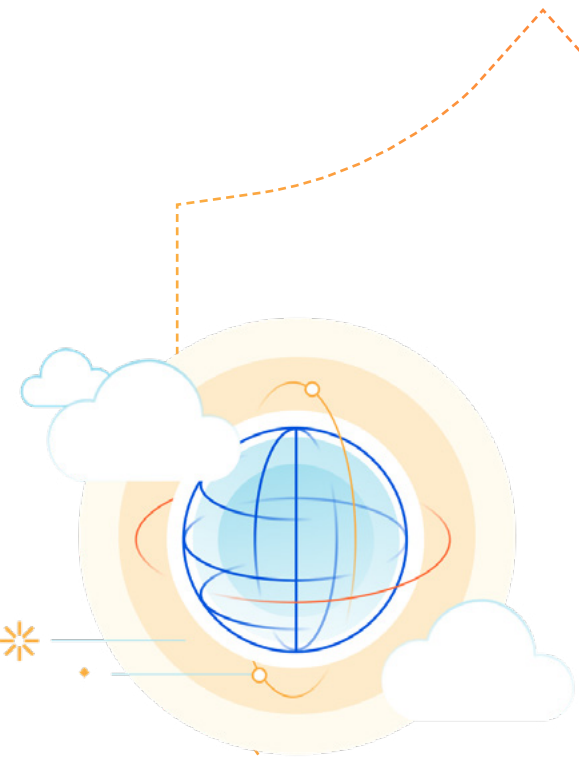
Shift from legacy infrastructure to a digital-ready network in as little as 30 days.

#### **Improved security, reduced risk:**

Attack surfaces reduced by 95%, and breach recovery costs reduced by 35%.

#### **Lower total cost of ownership:**

All products are managed from a single interface and don't require service chaining.



## 4

# Cloudflare helps organizations develop and run applications



Using Cloudflare Workers, we were able to configure 150,000 URL redirects in a fraction of the time, and with far more accuracy than it would have taken to configure each URL manually. Thanks to Workers, we easily saved hundreds of hours of painstaking labor with minimum stability risk”

Wilson Chong  
Sr. Director, Reliability  
Engineering



Cloudflare Developer Services helps organizations supercharge and streamline application development through:

- **Compute:** Cloudflare Workers serverless development platform
- **Data storage:** Blob storage, key value store, SQL database,
- **Developer tools:** JAMstack development, video streaming, image optimization, analytics, and more

Thanks to their inclusion in our global cloud network, Cloudflare Developer Services deliver incredible performance worldwide and come with security baked-in, letting organizations enjoy:

### Faster developer velocity:

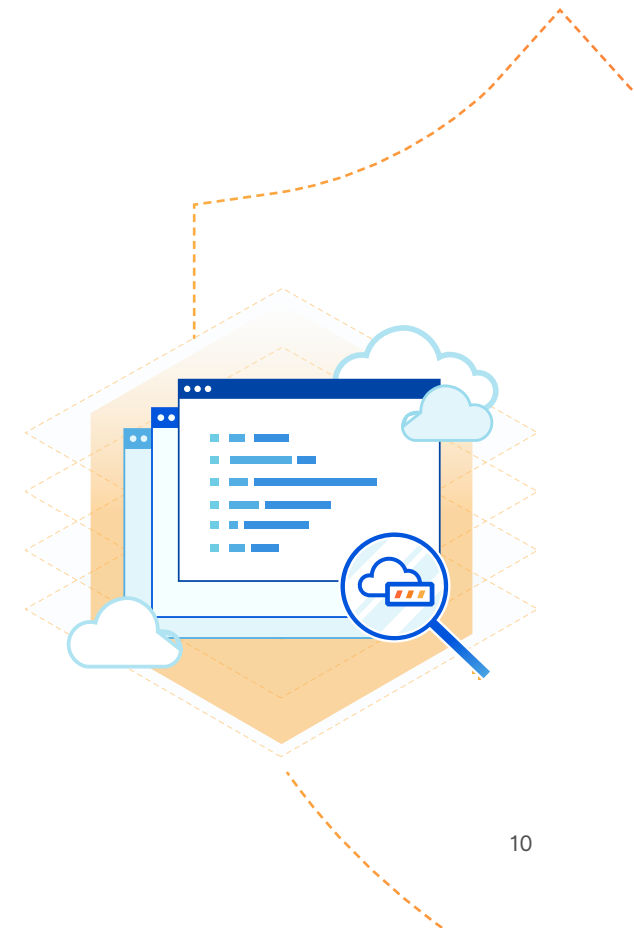
Automatic management of compute resources needed to execute code.

### Better end-user experiences:

Giving developers access to the best, most efficient tooling to build, debug, and diagnose issues.

### Lower costs:

Through \$0 egress fees for many services, and Bandwidth Alliance discounts.



# Cloudflare helps companies navigate a volatile privacy landscape

Companies face increasing demands for data privacy and locality. Many categories of data they process may be subject to region- or industry-specific obligations — such as the GDPR — that specify where that data can be stored and processed. What’s more, those obligations — and prevailing legal interpretations of them — can change with little warning.

Cloudflare helps companies navigate this shifting landscape through:

## Privacy-protecting products

The Cloudflare Data Localization Suite lets companies designate specific locations in which data, metadata, and encryption keys are stored. This means:

- Data centers inside preferred region decrypt TLS and apply HTTP services
- Private SSL keys stored in user-specified locations.
- Logs transferred automatically to a storage location of your choice.

## Compliance certifications

We maintain a variety of industry-standard security and privacy certifications, and have been recognized by European privacy regulators as an approved provider. Key certifications include:



ISO 27701:2019



ISO 27018:2019



SOC 2 Type II



PCI DSS 3.2.1

## Privacy built into our network

Privacy is built into all of our products by default. We keep PII private, and use industry-leading encryption to ensure that privacy.

In addition, we have a longstanding policy to exhaust all legal remedies in order to protect our customers from what we believe are illegal or unconstitutional requests. Learn more in our [Transparency Report](#).

# Cloudflare supports priority initiatives across your organization

## Chief People Officer



Locate labor force anywhere in the world; offer consistent work resources; seamlessly onboard new hires.

## Chief Financial Officer



Control costs and reduce exposure to mounting operational expenditure.

## Chief Technology Officer



Manage outcomes from multiple technology resources from a single, easy-to-use platform UI. Reduce infrastructure spend.

## Chief Information Security Officer



Reduce risk to the organization, respond faster to incidents, reduce the talent gap.

## Chief Marketing Officer



Fearlessly build and delivers fast, secure apps. Agile and responsive to growth opportunities.



# Large enterprises rely on the Cloudflare platform



# Make Cloudflare a part of your team

## For your CISO: **Zero Trust assessment**

Assess your current security posture and identify the most impactful next steps.

[Get started](#)

## For your teams: **Free trials**

Test out key Cloudflare services and see how simple they are to manage.

[Sign up](#)

## For everyone: **Success stories**

See how companies in every industry benefit from the Cloudflare platform.

[Read stories](#)