

IBM Cloud Internet Services

Web Application Firewall

Global Load Balancer

DDoS Protection

DNS

Rate Limiting



IBM

IBM Cloud Internet Services: Web Application Firewall, DNS, Load Balancing, DDoS Protection

Cloud Internet Services, using **Cloudflare**, ensures network traffic Reliability, Security and Performance at the Network edge

- Manages and Secures **Internet Facing** traffic before it reaches the application, website or API end-point
Available on all IBM Cloud Platform regions
Sign up via IBM Cloud Platform Subscription or Credit Card (No-Cost 30-day trial available)

SECURITY



RELIABILITY



PERFORMANCE



- **DDoS Protection:** Protect against volumetric, Layer 3 & 4 and Application attacks at Layer 7.
 - **Web Application Firewall (WAF)/IP Firewall:** Protect applications and websites against both known and new exploits.
 - **Transport Layer Security(TLS):** Ensure secure data transfers using the latest encryption standards.
 - **Rate Limiting:** Protect applications and websites against volumetric application and brute force attacks.
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- **Domain Name Server (DNS):** Fast resolution of hostnames to their corresponding IP addresses or aliases.
 - **Global Load Balancer (GLB):** Increase availability by routing traffic across servers based on their availability and service health.
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- **Caching:** Provide visitors with location-based access, removing latency and improving performance.
 - **Page Rules:** Manage granular actions on a web page, create redirects, or fine tuning caching behavior.
 - **Smart Routing:** Ensure content is delivered on the fastest path from end user to application, website or API.

IBM Cloud Internet Services is a Cloud-Native Solution



- No appliances, no hardware
- Lower cost of setup and management

Cloudflare's Global Anycast Network

10%
Internet requests
everyday

Speeds up each request
by

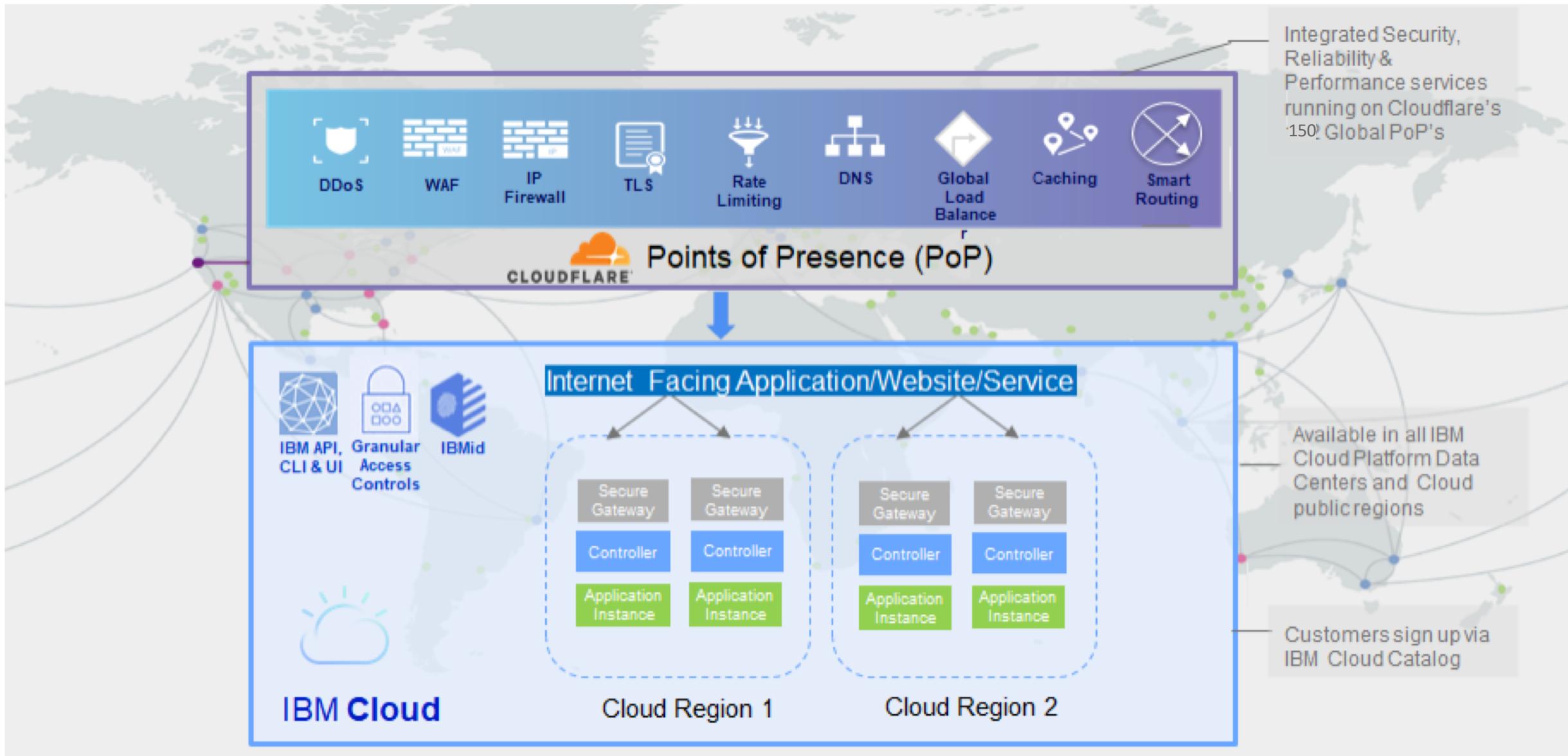
2x



25Tbps
capacity

165+
Data centers globally

Now Integrated with IBM Cloud



Three Compelling Use Cases

Introduce Global Load Balancing

- Add Global Load Balancing to an application which must be highly available, and may already have IBM Local Load Balancer in place

Secure and Optimize APIs and Internet Workloads

- Protect APIs and internet-facing workloads from data theft and Denial of Service (DoS) attacks
- Apply consistent policies across hybrid cloud or public workloads, including VMware, Kubernetes, and other environments

Overall Spend Reduction

- Customers can reduce spend collectively by 20% to 80% across security and reliability “edge services,” including DNS, Global Load Balancing, WAF, and Rate Limiting

Cloud Internet Services demo!

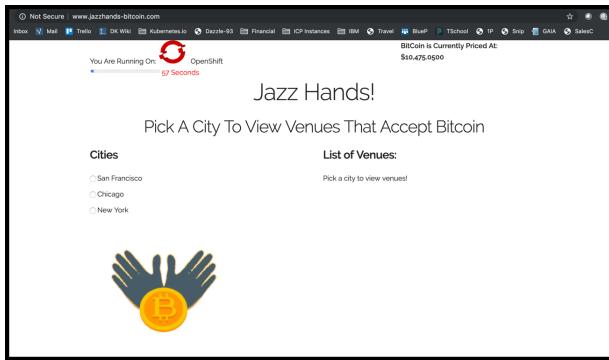
The screenshot shows the IBM Cloud Catalog interface. At the top, there's a navigation bar with icons for back, forward, search, and user account. Below it, the IBM Cloud logo is on the left, and a menu bar with 'Catalog', 'Docs', 'Log In', and 'Sign Up' is on the right. A 'Search' bar is also present.

The main content area has a title 'Internet Services' with a 'View all' link. To the left, there's a detailed description of the service, mentioning its purpose (reliability, performance, security) and features (DNS, GLB, Caching, DDoS, WAF, SSL/TLS). It also includes status badges for 'IBM' and 'Beta'. Below this, there are authorship details: 'AUTHOR IBM', 'PUBLISHED 03/15/2018', and 'TYPE Service'.

The central part of the page is titled 'Features' and lists several key components:

- DDoS Protection**: Scalable, easy-to-use, and high-performant DDoS protection to address availability challenges.
- SSL/TLS Encryption**: Secure data transfer with the latest encryption standards.
- Global Load Balancer (GLB)**: Reduce latency and increase availability by routing traffic across servers based on their availability and service health.
- Free Early Access**: Try Cloud Internet Services free through May 31st, 2018. Only one instance per account allowed.
- Web Application Firewall**: Layered defense to protect data against sophisticated attackers and malicious bots using Web Application Firewall (WAF).
- Domain Name Server (DNS)**: Fast resolution of hostnames to their corresponding IP addresses or aliases.
- Caching**: Provide visitors with location-based access, removing latency, improving performance and fine tuning website behavior with page rules.

At the bottom, there's a 'Pricing Plans' section and a call-to-action button: 'Login or sign up for IBMid to start'. A note below it says 'Monthly prices shown are for country or region: United States'. Navigation links for 'Need Help?' and 'Contact IBM Cloud Sales' are on the left, and 'Already have an account?' with 'Log in' and 'Sign up to Create' buttons are on the right.



IBM Cloud
Container Service

