

Vaccine Edge



Overview

Hospitals, pharmacies, and medical organizations are facing one of the most pressing challenges in modern history: how to distribute the COVID-19 vaccine rapidly and fairly to billions of people. Amid the global health crisis, outdated IT infrastructures are severely ill-equipped to meet the new demands.

Your patients need accurate, up-to-the-minute information about vaccination eligibility and logistics of booking an appointment. You need to make sure they show up and that trained staffers are available to administer the vaccine. Your vaccination registration website must make this all happen – and handle sudden spikes in traffic.

At Akamai, we're closer to users than any other edge delivery platform. That makes us uniquely positioned to power your vaccination site. Throughout the pandemic, we have leveraged our scale and support to make the internet fast, reliable, and secure amid unprecedented demand. Akamai's Vaccine Edge provides the delivery, security, and waiting room logic for your vaccination registration website.

How It Works

Akamai's Vaccine Edge builds upon Akamai's decades-long track record of creating superior user experiences with site delivery and DDoS protection solutions. A key feature of Vaccine Edge is the Waiting Room, which encourages visitors to stay on your site – lowering the risk of abandonment.

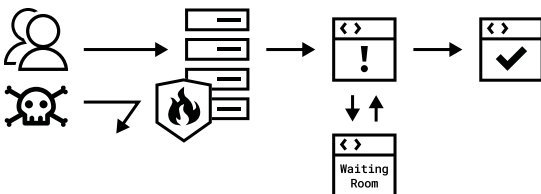
From the front end

When a visitor navigates to the website, Vaccine Edge will determine if they need to go to the virtual waiting room based on your configurations. In that waiting room, the visitor sees a personalized page with their place in the queue, estimated wait time, and more. When their turn comes up, they'll automatically be redirected to the right place.

From the back end

When your back-end application becomes overloaded, you're able to control traffic at a granular level by specifying your threshold levels. Meanwhile, your visitors enjoy a branded experience.

Leveraging the Akamai Intelligent Edge Platform, the Waiting Room caches website content, accelerates requests that can't be cached, and filters out malicious traffic.



Benefits

- Maintain mission continuity despite unprecedented load
- Seamlessly scale to meet sudden spikes in traffic demand
- Keep visitors engaged with a branded waiting room experience
- Operate more securely online
- Deploy and manage site updates and registration easily

Key Capabilities



Waiting Room

provides a branded, user-friendly waiting room experience that helps queue requests, protecting infrastructure from becoming overloaded.



Web application firewall (WAF)

fully automates and continuously updates protections that secure your websites, applications, and APIs against malicious attacks (including SQL injection, XSS, LFI, and more) with virtually no ongoing maintenance.



DDoS protection

protects your registration site from distributed denial-of-service (DDoS) attacks designed to overload limited resources by monitoring and blocking clients that exceed request-rate thresholds. Violators are automatically blocked in less than one second to protect site service infrastructure.



HTTPS support

includes a TLS certificate to deliver your secure content, help prevent data theft, and provide HTTPS security for your website and visitors.



Content delivery

handles high-demand traffic by offloading cached content to Akamai and accelerating non-cacheable requests from your infrastructure, maintaining a first-class experience for your patients.

How to Get Started

Technical Requirements

- Public-facing website (using relative URL paths)
- Resources available to identify SSL certificate needs, perform domain validation, manage DNS records, and perform regression testing
- Waiting room page

How to Set Up

- After purchasing the product, you will receive a welcome email containing a link to the Akamai Control Center
- Provision the Akamai edge certificate(s) with Akamai's Certificate Provisioning Tool
- Setup your web properties with Akamai's Onboard & Configuration Assistant
 - Deliver with Akamai Dynamic Site Accelerator
 - Secure with Akamai Web Application Protector
- Enable your waiting room experience with Akamai's Waiting Room
- Conduct testing
- Enable Akamai by updating your DNS record to point to your new Akamai configuration

How to Contact Us

New Akamai Customers: vaccineedge@akamai.com

OR

Existing Akamai Customers: Reach out to your Akamai account manager

Product Details

Akamai Vaccine Edge:

- Web Application Firewall
- Waiting Room
- DDoS Protection
- Content Storage
- HTTPS Access

Optional Add-Ons:

- Real User Monitoring and Analytics
- Bot Mitigation
- Load Testing and Peak Event Readiness

What Our Healthcare Customers Are Saying

“

We didn't even realize we were subject to a DDoS attack in the afternoon as it was entirely mitigated before getting through to us.

“

You've been extremely helpful and responsive throughout the process.

“

Akamai team, I also want to say thank you for your continued partnership! It is always a pleasure working with you.

“

I know I would be lost without your help ... I appreciate you and everything you do for myself and others on my team. We would not be nearly as successful without you!

“

Thank you for your support, expertise, guidance, and partnership, which helped us reach this milestone!

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Thanks for helping out with deployment of our COVID-19 website. You and your team provided immense contribution. Your professionalism reflects in the countless hours that you put into the project to ensure it gets completed smoothly.



Akamai secures and delivers digital experiences for the world's largest companies. Akamai's intelligent edge platform surrounds everything, from the enterprise to the cloud, so customers and their businesses can be fast, smart, and secure. Top brands globally rely on Akamai to help them realize competitive advantage through agile solutions that extend the power of their multi-cloud architectures. Akamai keeps decisions, apps, and experiences closer to users than anyone – and attacks and threats far away. Akamai's portfolio of edge security, web and mobile performance, enterprise access, and video delivery solutions is supported by unmatched customer service, analytics, and 24/7/365 monitoring. To learn why the world's top brands trust Akamai, visit www.akamai.com, blogs.akamai.com, or @Akamai on Twitter. You can find our global contact information at www.akamai.com/locations. Published 02/21.