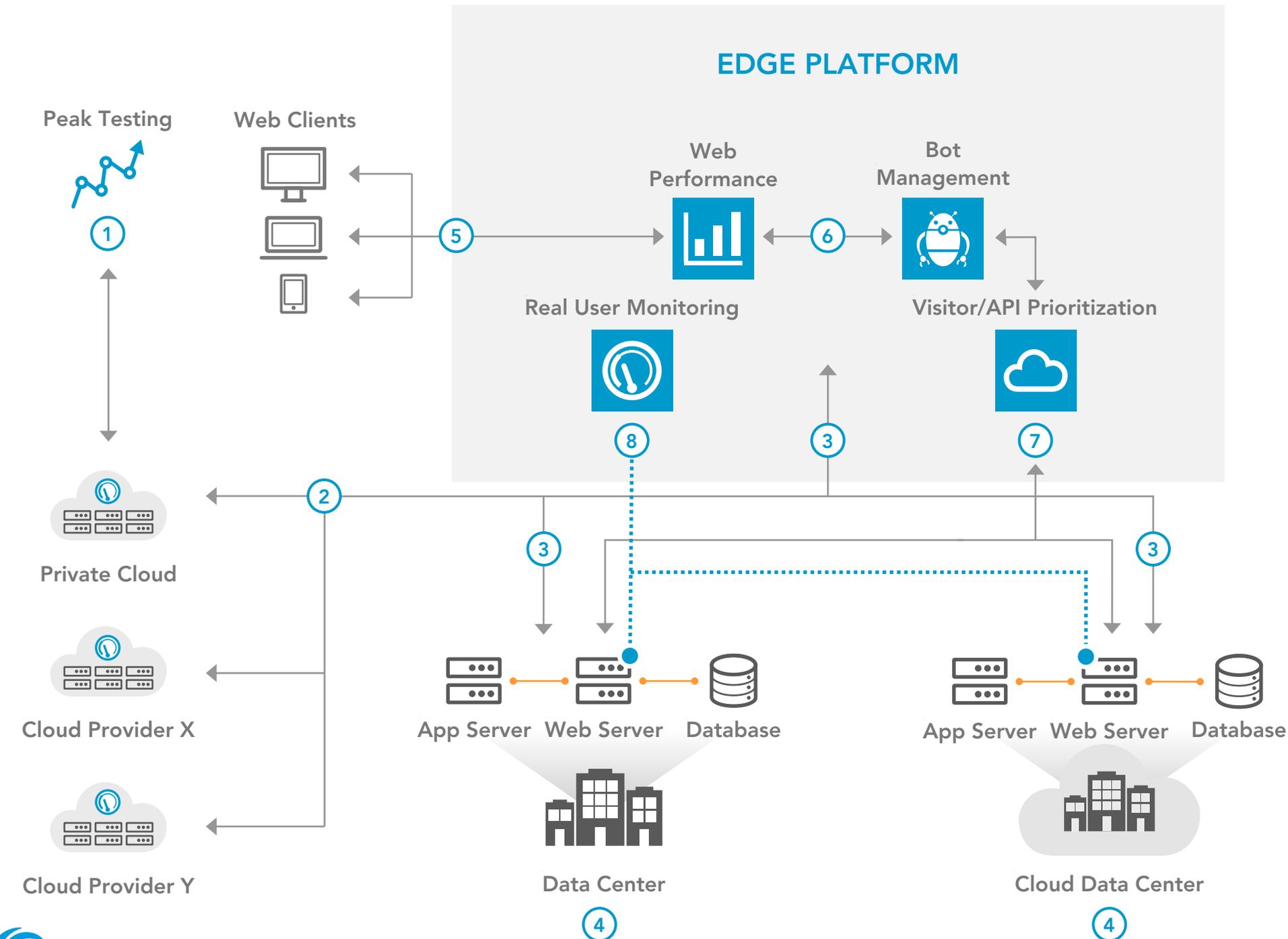


SCALING FOR PEAK

Reference Architecture



OVERVIEW

Complex modern web applications have too many moving parts to scale easily. Akamai can help you prepare for a spike in demand and optimize resources and offloading when it hits — so users can have an exceptional experience even during periods of extreme back-end load.

- 1 Peak testing generates traffic from a cloud testing platform that can comprise multiple different private and public clouds.
- 2 Peak testing can generate traffic simulating millions of client devices, including different types of computers, devices, and browsers, as well as different networks and geographies.
- 3 Simulating traffic at peak scale with real-world conditions helps identify potential breakpoints in the application infrastructure — such as individual microservices — before critical peak events.
- 4 Load testing at peak scale helps identify performance issues in the application environment as it scales up using the cloud.
- 5 The Akamai Intelligent Edge Platform optimizes resource offload of the overall infrastructure as you scale it to meet peak traffic.
- 6 Bot management helps shape bot traffic during peak periods to reduce load and maintain performance for human users.
- 7 Visitor prioritization can help manage the user experience during periods of extremely heavy back-end load.
- 8 Real user monitoring helps identify performance issues across a heterogeneous application environment in real time as it scales.

KEY PRODUCTS

- Peak testing ► CloudTest
- Web performance ► Ion or Dynamic Site Accelerator
- Bot management ► Bot Manager
- Visitor prioritization ► Visitor Prioritization or API Prioritization
- Real user monitoring ► mPulse