Input Validation Cloudlet

Strengthen your web forms against abuse or monopolization to protect your organization’s online inventory and resources from brute-force and behavioral attackers

Your websites and web applications contain user input fields that can open the door to spam, application abuse, and brute force attackers — risking your business continuity, PCI compliance, and causing a strain on your online infrastructure. These attacks can be in the form of:

- Illegal use or abuse of a self-service web application or online community.
- Attempts to disrupt or cheat online voting events, web promotions, or sweepstakes.
- Monopolization of an online reservation or web inventory system.
- Plus many more…

The Input Validation Cloudlet evaluates web form submissions against customizable recipes and limits excessive valid or invalid attempts at the Edge. It is designed to protect against online behavioral or brute-force attacks, helping you avoid online business disruption, reduce custom development, and gain additional web application offload.

This Cloudlet application is designed to protect your business by confirming that the values submitted into a web application are well-formed and comply with your custom policy.

When abuse occurs, this Cloudlet provides the ability to limit the number of valid and invalid online form submissions per “user” by denying (403) or redirecting (302) visitors to alternate content. Additionally, you can set a temporary “penalty box” that will block a violating user from continued abuse of your web or cloud-based application.

**FEATURE BENEFITS:**

- **Form Field Validation** — Validate the type, length, and combination of required inputs for each online form field to help confirm input data are well formed.
- **Form Submission Limit** — Enforce a limit of positive or negative submissions allowed to help enforce fairness or restrict unauthorized repeat submissions.
- **Control User Experience** — Respond to violators with a choice between a customized 403 Forbidden or 302 Redirection reply.
- **Penalty Box** — Temporary lock out violating online users to help relieve strain on your web infrastructure in the case of excessive attempts.
- **PCI Data Security** — Address important PCI data security standards that recommend validation of web form inputs and control for web form submission limits.

**USEFUL FOR:**

- Login form protection
- Promotional events
- Limited Inventory Sales
- Contests
- Reservation systems
- Voting
- Polling
- Data collection
- Surveys

1. Validate web-form inputs against pre formed recipes
2. Enforce positive and negative form submission limits
3. Block violating users w/ a temporary “penalty box”
Cloudlets Policy Manager

The Akamai Ecosystem

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