

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.

- 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"

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

Input Validation Cloudlet

Cloudlets Policy Manager

Edit this Rule ? x

GENERAL

Rule Name (required) Login Form Check

Always On

IF

All of the following match conditions are met:

URL Path field options

is one of

Clear

AND

Request Method

AND THE FORM DATA DOES NOT MATCH

Number of Fields

is exactly

AND

Field Name/Value

Field Name contains Case Sensitive

Field Value regex matches

AND

Field Name/Value

Field Name contains Case Sensitive

Field Value regex matches

THEN

The request triggers the penalty actions defined in the associated Property Manager behavior. ?

Cancel Save/Run

Input Validation Cloudlet

Enable

Policy Name None Selected

Instance Label

User Identification

By Cookie Value

By IP Address

By Request Headers

By Request Parameters

Parameters

Validation Behavior

On Large POST Body Fail

On Valid Request

Validation On Origin

Redirect URL

Penalty Behavior

Tries Before Penalty

On Penalty

The Akamai Ecosystem

Akamai makes the Internet fast, reliable and secure. Our comprehensive solutions are built on the globally distributed Akamai Intelligent Platform™, and supported by Professional Services experts who get you up and running easily and inspire innovation as your strategies evolve.



As the global leader in Content Delivery Network (CDN) services, Akamai makes the Internet fast, reliable, and secure for its customers. The company's advanced web performance, mobile performance, cloud security, and media delivery solutions are revolutionizing how businesses optimize consumer, enterprise, and entertainment experiences for any device, anywhere. To learn how Akamai solutions and its team of Internet experts are helping businesses move faster forward, please visit www.akamai.com or blogs.akamai.com, and follow [@Akamai](https://twitter.com/Akamai) on Twitter.

Akamai is headquartered in Cambridge, Massachusetts in the United States with operations in more than 57 offices around the world. Our services and renowned customer care are designed to enable businesses to provide an unparalleled Internet experience for their customers worldwide. Addresses, phone numbers, and contact information for all locations are listed on www.akamai.com/locations.