WaaS API

https://campus.barracuda.com/doc/100369522/

The Barracuda WAF-as-a-Service supports a comprehensive REST API module for management and configuration.

Accessing the API

This section describes how to invoke a REST API call on the Barracuda WAF-as-a-Service and the expected response.

The REST API supports HTTPS URI requests. The documentation for the API is available at: https://api.waas.barracudanetworks.com/

API Endpoint

The base URL for accessing the Barracuda WAF-As-A-Service is:

'https://api.waas.barracudanetworks.com/v2/waasapi'

Combine the base URL with the required API resource to make a call, for example /api_login or /applications/.

Login Access Token

To use the Barracuda WAF-as-a-Service REST API, a login access token is required for authentication. Login credentials with admin privileges or a role-based administrator with restricted permissions can be used.

The login request must include the username and password to generate the token. HTTPS request examples are provided below for reference:

Once the token is fetched, include the token as a value to the 'auth-api' header in subsequent API calls.

Example:
To complete the login to WAAS use the /api_login resource:

'https://api.waas.barracudanetworks.com/v2/waasapi/api_login/'

Curl Example:

```
curl -X 'POST' \
'https://api.waas.barracudanetworks.com/v2/waasapi/api_login/' \
-H 'accept: application/json' \
-H 'Content-Type: application/x-www-form-urlencoded' \
-d 'email=<account email address>&password=<account password>'
```

Using the WAAS API to create/modify the configuration:

Example: To create an application, the REST resource is /applications/

Curl Example:

```
curl -X 'POST' \
   'https://api.waas.barracudanetworks.com/v2/waasapi/applications/' \
   -H 'accept: application/json' \
   -H 'Content-Type: application/json' \
   -H 'auth-api:
eyJhY2NfaWQiOiA4OTg1NzMwLCAidXNlcl9pZCI6IDE2NTkzLCAiZXhwaXJhdGlvbiI6IDE2ODY4NDE4
MTN9.74d9bb7c70f98c77bc4be37dd4eeae896c5b7f063c8e45944a4e4dfa83f104ab'    \
   -d '{
   "applicationName": "new app",
   "backendPort": 443,
   "useHttp": true,
   "useExistingIp": true,
   "backendIp": "1.1.1.1",
   "maliciousTraffic": "Passive",
   "serviceIp": "2.2.2.2",
   "httpsServicePort": 443,
   "redirectHTTP": true,
   "useHttps": true,
   "httpServicePort": 80,
   "backendType": "HTTPS",
   "serviceType": "HTTP",
```

```
  "account_ips": {},
  "hostnames": [
    {
       "hostname": "8.8.8.8"
    }
  ]
}'
```

Audit Logs

The Audit Logs provide information about the actions/activities performed by users on the WAF-as-a-Service web interface. The response schema includes the following details:

- **unique_id**: A unique identifier generated for the user.
- **actor**: Denotes the actor who changed the value of the parameter. It can be Customer, Support Team, Engineering Team or System.
- **action**: The action performed by the user.
- **component_modified**: The component name that was modified.
- **summary**: Description of the changes made.
- **changes**: Displays the component name which has been modified.
- **new_val**: Value of the parameter/variable after the update.
- **old_val**: Value of the parameter/variable before the update.
- **setting**: Name of the parameter/variable for which the value was updated.
- **is_api_change**: Denotes whether the change is from API or the web interface.
- **date**: The date and time when the action was performed.
- **user_text**: Name of the user.
- **user_tooltip**: Email address of the user.
- **app_name**: Name of the application.
- **app_is_deleted**: Denotes if the application where the change is made is deleted or is in use.

Schema Example:

Response body

Download

```json
{
  "count": 51,
  "next":
  "previous": null,
  "results": [
    {
      "unique_id": "673450a0-8b6c-4aa7-9ed8-22fc5e59e35a",
      "actor": "customer",
      "action": "updated",
      "component_modified": "Server",
      "summary": "Modified server 'new'",
      "changes": [
        {
          "new_val": "Out of Service",
          "old_val": "In Service",
          "setting": "Mode"
        }
      ],
      "is_api_change": false,
      "date": "2023-12-13T09:25:02.193692Z",
      "user_text": "
      "user_tooltip": "
      "app_name": "
      "app_is_deleted": false
    }
  ]
}
```

Figures

1. Response_Body.png