



## General Purpose APIs

General purpose configuration queries have the **configure** resource name as part of the query string. You can retrieve configuration information (GET), and perform any changes (POST, DELETE) in the configuration data.

<b>Synopsis</b>	<pre>GET /wsa/api/v2.0/configure/system/smtp POST /wsa/api/v2.0/configure/system/smtp PUT /wsa/api/v2.0/configure/system/smtp DELETE /wsa/api/v2.0/configure/system/smtp</pre>	
<b>Supported Resource Attributes</b>	<p>For more information, see <a href="#">AsyncOS API - Addendum to the Getting Started Guide for Secure Web Appliance</a>.</p>	
<b>Request Headers</b>		Host, Accept, Authorization
<b>Response Headers</b>		Content-Type, Content-Length, Connection

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## Retrieving SMTP Relay Host Details

### Sample Request

```
GET /wsa/api/v2.0/configure/system/smtp
HTTP/1.1
Content-Type: application/json
Authorization: Basic YWRtaW46aXJvbnBvcnQ=
User-Agent: PostmanRuntime/7.24.1
Accept: */*
Cache-Control: no-cache
Postman-Token: 4dd1c428-a4b7-4df9-94d7-7e29e4e0dd2d
Host: 10.8.159.34:6080
Accept-Encoding: gzip, deflate, br
Connection: keep-alive
```

### Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 12 May 2020 06:10:34 GMT
Content-type: application/json
Content-Length: 129
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Allow-Methods: GET, POST, DELETE, PUT, OPTIONS
Access-Control-Expose-Headers: Content-Disposition, jwtToken

{"res_data": {"routing_table": "Management", "relay_hosts": []},
"res_message": "Data received successfully.", "res_code": "200"}
```

## Adding New SMTP Relay Hosts

### Sample Request

```
POST /wsa/api/v2.0/configure/system/smtp
HTTP/1.1
Content-Type: application/json
Authorization: Basic YWRtaW46aXJvbnBvcnQ=
User-Agent: PostmanRuntime/7.24.1
Accept: */*
Cache-Control: no-cache
Postman-Token: 30ad35bc-253d-4787-8e18-4cdfa3ff3d1f
Host: 10.8.159.34:6080
Accept-Encoding: gzip, deflate, br
Connection: keep-alive
Content-Length: 549
```

```
{
  "routing_table": "management",
  "relay_hosts": [
    {
      "host": "191.10.55.255"
    },
    {
      "host": "10.10.55.8",
      "port": "3"
    }
  ],
}
```

```

    {
      "host": "google1.com",
      "port": "13"
    },
    {
      "host": "ggtalk.com",
      "port": "11"
    },
    {
      "host": "google.com",
      "port": "35"
    },
    {
      "host": "google.com",
      "port": "37"
    }
  ]
}

```

### Sample Response

```

HTTP/1.1 200 OK
Date: Tue, 12 May 2020 07:08:30 GMT
Content-type: application/json
Content-Length: 215
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Allow-Methods: GET, POST, DELETE, PUT, OPTIONS
Access-Control-Expose-Headers: Content-Disposition, jwtToken

{"res_data": {"add_failure": [], "add_success": ["10.10.55.8:3", "191.10.55.255:25", "ggtalk.com:11", "google1.com:13", "google.com:37", "google.com:35"]}, "res_message": "Success:6, Failure: 0.", "res_code": "201"}

```

## Modifying SMTP Relay Host Details

### Sample Request

```

PUT /wsa/api/v2.0/configure/system/smtp
HTTP/1.1
Content-Type: application/json
Authorization: Basic YWRtaW46aXJvbnBvcnQ=
User-Agent: PostmanRuntime/7.24.1
Accept: */*
Cache-Control: no-cache
Postman-Token: 8c18cbba-8ff3-4993-a5f3-5562fd854fde
Host: 10.8.159.34:6080
Accept-Encoding: gzip, deflate, br
Connection: keep-alive
Content-Length: 537

{
  "routing_table": "management",
  "relay_hosts": [
    {
      "old_host": "google.com",
      "old_port": "35",
      "new_host": "google.com",
      "new_port": "37"
    },
    {

```

```

        "old_host": "ggtalk.com",
        "old_port": "11",
        "new_host": "10.10.194.12",
        "new_port": "23"
    },
    {
        "old_host": "10.10.194.12",
        "old_port": "28",
        "new_host": "10.10.194.12",
        "new_port": "27"
    }
]
}

```

### Sample Response

```

HTTP/1.1 200 OK
Date: Tue, 12 May 2020 07:09:47 GMT
Content-type: application/json
Content-Length: 450
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Allow-Methods: GET, POST, DELETE, PUT, OPTIONS
Access-Control-Expose-Headers: Content-Disposition, jwtToken

{"res_data": {"update_success": [{"relay_host_old": "ggtalk.com:11",
"relay_host_new": "10.10.194.12:23"}], "update_failure": [{"relay_host_old":
"google.com:35", "relay_host_new": "google.com:37", "err_message":
"Given new host or port is already exist."}, {"relay_host_old":
"10.10.194.12:28", "relay_host_new": "10.10.194.12:27", "err_message":
"Given old host or port is not found."}]}, "res_message": "Success:1,
Failure: 2.", "res_code": "201"}

```

## Deleting Multiple SMTP Relay Hosts

### Sample Request

```

DELETE /wsa/api/v2.0/configure/system/smtp
HTTP/1.1
Content-Type: application/json
Authorization: Basic YWRtaW46aXJvbnBvcnQ=
User-Agent: PostmanRuntime/7.24.1
Accept: */*
Cache-Control: no-cache
Postman-Token: 282c385c-1804-4cd7-be25-5b62a923e175
Host: 10.8.159.34:6080
Accept-Encoding: gzip, deflate, br
Connection: keep-alive
Content-Length: 132

[
  {
    "host": "10.10.194.12",
    "port": "23"
  },
  {
    "host": "google.com",
    "port": "37"
  }
]

```

### Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 12 May 2020 07:14:00 GMT
Content-type: application/json
Content-Length: 150
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Allow-Methods: GET, POST, DELETE, PUT, OPTIONS
Access-Control-Expose-Headers: Content-Disposition, jwtToken

{"res_data": {"delete_success": ["10.10.194.12:23", "google.com:37"],
"delete_failure": []}, "res_message": "Success:2,
Failure:0", "res_code": "200"}
```

## Deleting All SMTP Relay Hosts

### Sample Request

```
DELETE /wsa/api/v2.0/configure/system/smtp HTTP/1.1
Content-Type: application/json
Authorization: Basic YWRtaW46aXJvbnBvcnQ=
User-Agent: PostmanRuntime/7.24.1
Accept: */*
Cache-Control: no-cache
Postman-Token: c1514e19-b401-499d-9b29-47ada4f6981e
Host: 10.8.159.34:6080
Accept-Encoding: gzip, deflate, br
Connection: keep-alive
Content-Length: 22
```

```
{
  "delete_all":true
}
```

### Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 12 May 2020 07:35:12 GMT
Content-type: application/json
Content-Length: 68
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Allow-Methods: GET, POST, DELETE, PUT, OPTIONS
Access-Control-Expose-Headers: Content-Disposition, jwtToken

{"res_message": "Successfully deleted all hosts", "res_code": "200"}
```

## Retrieving APIs Accessible to a User Role

You can retrieve a list of APIs that are available for a currently logged in user.

<b>Synopsis</b>	GET /api/v2.0/login/privileges
<b>Request Headers</b>	Host, Accept, Authorization

<b>Response Headers</b>	Content-Type, Content-Length, Connection
-------------------------	--

### Sample Request

```
GET /wsa/api/v2.0/login/privileges HTTP/1.1
cache-control: no-cache
Postman-Token: 0cd8d318-e29b-40e0-bdc8-473f09cbd2b2
Authorization: Basic YWRtaW46aXJvbnBvcnQ=
User-Agent: PostmanRuntime/7.6.0
Accept: */*
Host: pod1224-wsa04.ibwsa.sgg.cisco.com:6080
accept-encoding: gzip, deflate
Connection: keep-alive
```

### Sample Response

```
HTTP/1.1 200 OK
Date: Sat, 11 Apr 2020 07:35:16 GMT
Content-type: application/json
Content-Length: 2342
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Allow-Methods: GET, POST, DELETE, PUT, OPTIONS
Access-Control-Expose-Headers: Content-Disposition, jwtToken

{"data": ["w_preferences_preferences", "w_config_user_dashboard", "w_config_cpu_threshold",

"w_config_memory_threshold", "config_detail", "w_reporting_web_webcat_detail",
"w_reporting_web_ytcat_detail", "w_reporting_domains", "w_reporting_web_user_detail",
"w_reporting_web_application_type_detail", "w_reporting_web_malware_category",
"w_reporting_web_user_by_traffic_monitor", "w_reporting_web_amp_detail_by_filename",
"w_reporting_web_wbrs_score_detail", "w_reporting_web_malware_name_malware_category_detail",

"w_reporting_web_application_name_application_type_detail", "w_reporting_web_port_detail",

"w_reporting_web_host_by_traffic_monitor", "w_reporting_web_amp_summary",
"w_reporting_web_amp_detail_summary", "w_reporting_web_amp_file_analysis_by_filename",
"w_reporting_web_wbrs_threat_type_detail", "w_reporting_users_by_app_type",
"w_reporting_web_socks_destinations", "w_reporting_web_user_application_detail",
"w_reporting_web_socks_users", "w_reporting_users_by_category",
"w_reporting_web_services_summary",
"w_reporting_web_application_type_application_name_detail",
"w_reporting_web_user_webcat_detail",
"w_reporting_web_user_amp_detail",
"w_reporting_web_user_malware_name_malware_category_detail",
"w_reporting_policy_by_user", "w_reporting_web_malware_category_malware_name_detail",
"w_reporting_web_users_by_sha_detail",
"w_reporting_web_malware_category_malware_name_user_detail",
"w_reporting_web_filenames_by_sha", "w_reporting_web_amp_reputation_update",
"w_reporting_users_by_app", "w_reporting_web_application_name_detail",
"w_reporting_web_application_name_application_behavior_detail", "w_reporting_web_transaction",

"w_reporting_web_transaction_type", "w_reporting_web_cipher_detail_client",
"w_reporting_web_cipher_detail_server", "w_reporting_web_reporting_system",
"w_percent_cpu_utilized",
"w_percent_ram_utilized", "w_percent_disk_utilized", "w_system_uptime", "w_alerts",
"w_disk_usage",
"w_raid_status", "w_proxy_cpu_usage", "w_proxy_disk_io_util", "w_proxy_status",
"w_high_availability",
"w_proxy_traffic_characteristics", "w_system_cpu_usage", "w_system_memory_usage",
"w_bandwidth",
```

```
"w_rps", "w_cpu_usage_by_function", "w_server_connection", "w_client_connection",
"w_bandwidth_count",
"w_rps_count", "w_decryption_count", "w_services", "w_web_tracking_web_transaction",
"ctr_token",
"ctr_client_info"]}]}
```

## Retrieving the SecureX Files

You can retrieve the details of the registered user.

<b>Synopsis</b>	GET /wsa/api/v2.0/ctr/user_info	
<b>Supported Resource Attributes</b>	See <a href="#">AsyncOS API - Addendum to the Getting Started Guide for Secure Web Appliance</a> for more information.	
<b>Request Headers</b>		Host, Accept, Authorization
<b>Response Headers</b>		Content-Type, Content-Length, Connection

### Example

This example shows a query to retrieve the user information of the registered user.

#### Sample Request

```
GET/wsa/api/v2.0/ctr/user_info
HTTP/1.1
```

#### Sample Response

```
HTTP/1.1
Response
HTTP/1.1 200 OK

Date: Thu, 25 Mar 2021 07:48:19 GMT
Content-type: application/json
Content-Length: 92
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
```

```
{
  "client_id": "client-4c50a1ca-34ad-47c8-a37b-9b16153db578",
  "server": "apjc"
}
```

#### Sample Request for Token Request

```
GET/wsa/api/v2.0/ctr/token
HTTP/1.1
```





```
PUT /wsa/api/v2.0/ctr/user_info
```

```
HTTP/1.1
```

### Sample Response

```
HTTP/1.1 200 OK
```

```
Date: Thu, 25 Mar 2021 07:48:19 GMT
```

```
Content-type: application/json
```

```
Content-Length: 92
```

```
Connection: close
```

```
Access-Control-Allow-Origin: *
```

```
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
```

```
Access-Control-Allow-Credentials: true
```

```
Access-Control-Allow-Methods: GET, POST, DELETE, PUT, OPTIONS
```

```
Access-Control-Expose-Headers: Content-Disposition, jwtToken
```

```
{
  "data": {
    "client_id": "Y2xpZW50LWY2NzQzNjd1LTJhOTMtNDI3Yy05MGVmLWJjZmFhMGVky2RjNA==",
    "client_secret": "QmlHbGlpeFlENXNzQWVkb0R1NFprSTdzaDVGaVc5OEJMYVhEWkcydlBtWWJnR3Bud0pVZUF3",
    "server": "YXBqYw=="
  }
}
```

## Adding the User Information Details for SecureX

You can add the user information details for SecureX. This operation allows you to login to the SecureX ribbon.

<b>Synopsis</b>	POST /wsa/api/v2.0/ctr/user_info	
<b>Supported Resource Attributes</b>	See <a href="#">AsyncOS API - Addendum to the Getting Started Guide for Secure Web Appliance</a> for more information.	
<b>Request Headers</b>		Host, Accept, Authorization
<b>Response Headers</b>		Content-Type, Content-Length, Connection

### Example

This example shows how to create the user information.

### Sample Request

```
HTTP/1.1
```

```
{
  "data": {
    "client_id": "Y2xpZW50LWY2NzQzNjd1LTJhOTMtNDI3Yy05MGVmLWJjZmFhMGVky2RjNA==",
    "client_secret": "MFVTTs05cERieVh0RDF5RGE2dzZvMnlJTWtwNkZ1eFU2YnJIY1VkcW1wdzZ0M1pNMTVVWGNn",
    "server": "YXBqYw=="
  }
}
```

```
}

```

### Sample Response

```
HTTP/1.1 200 OK

Date: Thu, 25 Mar 2021 07:32:19 GMT
Content-type: application/json
Content-Length: 32
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Allow-Methods: GET, POST, DELETE, PUT, OPTIONS
Access-Control-Expose-Headers: Content-Disposition, jwtToken
OK

```

## Retrieving Auth Settings

You can retrieve the basic information about current authentication related configurations in Secure Web Appliance. The syntax and supported attributes are as follows:

<b>Synopsis</b>	GET /wsa/api/v3.0/generic_resources/auth_settings	
<b>Supported Resource Attributes</b>	See <a href="#">AsyncOS API - Addendum to the Getting Started Guide for Secure Web Appliance</a> for more information.	
<b>Request Headers</b>		Host, Accept, Authorization
<b>Response Headers</b>		Content-Type, Content-Length, Connection

### Example

This example shows a query to retrieve authentication settings configuration on the device.

### Sample Request

```
GET /wsa/api/v3.0/generic_resources/auth_settings
HTTP/1.1
Host: wsa.example.com:6443
User-Agent: curl/7.55.1
Accept: */*
Authorization: Basic YWRtaW46Q2lzY28xMjMk

```

### Sample Response

```
HTTP/1.1 200 OK
Date: Mon, 11 Jan 2021 08:22:28 GMT
Content-type: application/json
Content-Length: 1339
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Expose-Headers: Content-Disposition, jwtToken

```

```

{
  "header_based_auth": "disable",
  "realms": [
    {
      "schemes": [
        "Basic"
      ],
      "type": "LDAP",
      "name": "AuthLDAP",
      "supportes_tui": false
    },
    {
      "schemes": [
        "Basic"
      ],
      "type": "LDAP",
      "name": "AuthLDAPTUI",
      "supportes_tui": true
    },
    {
      "schemes": [
        "Kerberos",
        "NTLMSSP",
        "Basic",
        "Header"
      ],
      "type": "AD",
      "name": "AuthADTUI",
      "supportes_tui": true
    },
    {
      "schemes": [
        "Kerberos",
        "NTLMSSP",
        "Basic",
        "Header"
      ],
      "type": "AD",
      "name": "AuthAD",
      "supportes_tui": false
    }
  ],
  "sequences": [
    {
      "schemes": [
        "NTLMSSP",
        "Basic",
        "Header",
        "Kerberos"
      ],
      "name": "All Realms"
    },
    {
      "schemes": [
        "Basic",
        "Header",
        "Kerberos"
      ],
      "name": "myAuthSequence"
    }
  ]
}

```

# Retrieving User Agents

You can retrieve all allowed user agents recognized by Secure Web Appliance. The syntax and supported attributes are as follows:

<b>Synopsis</b>	GET /wsa/api/v3.0/generic_resources/user_agents	
<b>Supported Resource Attributes</b>	See <a href="#">AsyncOS API - Addendum to the Getting Started Guide for Secure Web Appliance</a> for more information.	
<b>Request Headers</b>		Host, Accept, Authorization
<b>Response Headers</b>		Content-Type, Content-Length, Connection

## Example

This example shows a query to retrieve all user agents recognized by the device.

### Sample Request

```
GET /wsa/api/v3.0/generic_resources/user_agents
HTTP/1.1
Host: wsa.example.com:6443
User-Agent: curl/7.55.1
Accept: */*
Authorization: Basic YWRtaW46Q21zY28xMjMk
```

### Sample Response

```
HTTP/1.1 200 OK
Date: Mon, 11 Jan 2021 08:22:28 GMT
Content-type: application/json
Content-Length: 616
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Expose-Headers: Content-Disposition, jwtToken
```

```
{
  "user_agents": [
    "Chrome/48",
    "windows_updater",
    "Firefox/40",
    "Firefox/41",
    "Firefox/42",
    "Firefox/43",
    "Chrome/45",
    "Chrome/46",
    "Chrome/47",
    "Chrome",
    "Safari",
    "adobe_updater",
    "MSIE",
    "Safari/5",
    "Safari/4",
```

```

        "Safari/7",
        "Safari/6",
        "Opera",
        "Safari/9",
        "Safari/8",
        "MSIE/11",
        "MSIE/10",
        "Firefox",
        "MSIE/9",
        "MSIE/8",
        "Opera/33",
        "Opera/32",
        "Opera/35",
        "Opera/34"
    ]
}

```

## Retrieving URL Categories

You can retrieve all allowed URL categories that are defined by Secure Web Appliance. This API also contains some user defined categories. The syntax and supported attributes are as follows:

<b>Synopsis</b>	GET /wsa/api/v3.0/generic_resources/url_categories	
<b>Supported Resource Attributes</b>	For more information, see <a href="#">AsyncOS API - Addendum to the Getting Started Guide for Secure Web Appliance</a> .	
<b>Request Headers</b>		Host, Accept, Authorization
<b>Response Headers</b>		Content-Type, Content-Length, Connection

### Example

This example shows a query to retrieve all URL categories (predefined and custom) configured on the device.

### Sample Request

```

GET /wsa/api/v3.0/generic_resources/url_categories
HTTP/1.1
Host: wsa.example.com:6443
User-Agent: curl/7.55.1
Accept: */*
Authorization: Basic YWRtaW46Q21zY28xMjMk

```

### Sample Response

```

HTTP/1.1 200 OK
Date: Mon, 11 Jan 2021 08:22:28 GMT
Content-type: application/json
Content-Length: 2316
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Expose-Headers: Content-Disposition, jwtToken

```

```
{
  "predefined": [
    "Adult",
    "Advertisements",
    "Alcohol",
    "Arts",
    "Astrology",
    "Auctions",
    "Business and Industry",
    "Chat and Instant Messaging",
    "Cheating and Plagiarism",
    "Child Abuse Content",
    "Computer Security",
    "Computers and Internet",
    "DIY Projects",
    "Dating",
    "Digital Postcards",
    "Dining and Drinking",
    "Dynamic and Residential",
    "Education",
    "Entertainment",
    "Extreme",
    "Fashion",
    "File Transfer Services",
    "Filter Avoidance",
    "Finance",
    "Freeware and Shareware",
    "Gambling",
    "Games",
    "Government and Law",
    "Hacking",
    "Hate Speech",
    "Health and Nutrition",
    "Humor",
    "Hunting",
    "Illegal Activities",
    "Illegal Downloads",
    "Illegal Drugs",
    "Infrastructure and Content Delivery Networks",
    "Internet Telephony",
    "Job Search",
    "Lingerie and Swimsuits",
    "Lotteries",
    "Military",
    "Mobile Phones",
    "Nature",
    "News",
    "Non-governmental Organizations",
    "Non-sexual Nudity",
    "Online Communities",
    "Online Meetings",
    "Online Storage and Backup",
    "Online Trading",
    "Organizational Email",
    "Paranormal",
    "Parked Domains",
    "Peer File Transfer",
    "Personal Sites",
    "Personal VPN",
    "Photo Search and Images",
    "Politics",
    "Pornography",
    "Professional Networking",
    "Real Estate",
```

```

        "Reference",
        "Religion",
        "SaaS and B2B",
        "Safe for Kids",
        "Science and Technology",
        "Search Engines and Portals",
        "Sex Education",
        "Shopping",
        "Social Networking",
        "Social Science",
        "Society and Culture",
        "Software Updates",
        "Sports and Recreation",
        "Streaming Audio",
        "Streaming Video",
        "Tobacco",
        "Transportation",
        "Travel",
        "Weapons",
        "Web Hosting",
        "Web Page Translation",
        "Web-based Email"
    ],
    "custom": [
        "mycategory",
        "mycategoryo365"
    ]
}

```

## Retrieving Time Ranges

You can retrieve list of time ranges that are configured in Secure Web Appliance. The syntax and supported attributes are as follows:

<b>Synopsis</b>	GET /wsa/api/v3.0/web_security/time_ranges	
<b>Supported Resource Attributes</b>	See <a href="#">AsyncOS API - Addendum to the Getting Started Guide for Secure Web Appliance</a> for more information.	
<b>Request Headers</b>		Host, Accept, Authorization
<b>Response Headers</b>		Content-Type, Content-Length, Connection

### Example

This example shows a query to retrieve configured time ranges on the device.

### Sample Request

```

GET /wsa/api/v3.0/web_security/time_ranges
HTTP/1.1
Host: wsa.example.com:6443
User-Agent: curl/7.55.1
Accept: */*
Authorization: Basic YWRtaW46Q21zY28xMjMk

```

### Sample Response

```

HTTP/1.1 200 OK
Date: Mon, 11 Jan 2021 08:22:28 GMT
Content-type: application/json
Content-Length: 971
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Expose-Headers: Content-Disposition, jwtToken

```

```

{
  "time_ranges": [
    {
      "time_values": [
        {
          "time_of_day": "all_day",
          "valid_days": [
            "Saturday",
            "Friday",
            "Thursday",
            "Monday",
            "Tuesday",
            "Wednesday"
          ]
        }
      ],
      "name": "TestTimeRange",
      "time_zone": "America/Los_Angeles"
    },
    {
      "time_values": [
        {
          "time_of_day": {
            "to": "18:00",
            "from": "10:00"
          },
          "valid_days": [
            "Monday",
            "Sunday"
          ]
        }
      ],
      "name": "mytimerange",
      "time_zone": "Asia/Shanghai"
    }
  ]
}

```

## Retrieving Quotas

You can retrieve list of quotas that are configured in Secure Web Appliance. The syntax and supported attributes are as follows:

<b>Synopsis</b>	GET /wsa/api/v3.0/web_security/quotas
-----------------	---------------------------------------



<b>Supported Resource Attributes</b>	For more information, see <a href="#">AsyncOS API - Addendum to the Getting Started Guide for Secure Web Appliance</a> .	
<b>Request Headers</b>		Host, Accept, Authorization
<b>Response Headers</b>		Content-Type, Content-Length, Connection

### Example

This example shows a query to retrieve configured quotas on the device.

### Sample Request

```
GET /wsa/api/v3.0/web_security/quotas
HTTP/1.1
Host: wsa.example.com:6443
User-Agent: curl/7.55.1
Accept: */*
Authorization: Basic YWRtaW46Q2lzMjY28xMjMk
```

### Sample Response

```
HTTP/1.1 200 OK
Date: Mon, 11 Jan 2021 08:22:28 GMT
Content-type: application/json
Content-Length: 607
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Expose-Headers: Content-Disposition, jwtToken
```

```
{
  "quotas": [
    {
      "reset_time": "0:00",
      "volume_quota": 1073741824,
      "time_quota_secs": 0,
      "name": "myquota2",
      "time_zone": "America/Los_Angeles"
    },
    {
      "volume_quota": 0,
      "time_quota_secs": 54000,
      "name": "myquota",
      "time_range": "mytimerange"
    },
    {
      "reset_time": "0:00",
      "volume_quota": 60129542144,
      "time_quota_secs": 58560,
      "name": "myquota3",
      "time_zone": "America/Los_Angeles"
    }
  ]
}
```

## Retrieving Proxy Settings

You can retrieve proxy (web proxy, socks proxy, and so on) related configurations in Secure Web Appliance. The response indicates whether a particular type of proxy is enabled or not. It also provides information about the mode of the proxy, like transparent or forward (only applicable in web proxy). The syntax and supported attributes are as follows:

<b>Synopsis</b>	GET /wsa/api/v3.0/generic_resources/proxy_settings	
<b>Supported Resource Attributes</b>	See <a href="#">AsyncOS API - Addendum to the Getting Started Guide for Secure Web Appliance</a> for more information.	
<b>Request Headers</b>		Host, Accept, Authorization
<b>Response Headers</b>		Content-Type, Content-Length, Connection

### Example

This example shows a query to retrieve proxy (web proxy, socks proxy etc.) related configurations on the device.

### Sample Request

```
GET /wsa/api/v3.0/generic_resources/proxy_settings
HTTP/1.1
Host: wsa.example.com:6443
User-Agent: curl/7.55.1
Accept: */*
Authorization: Basic YWRtaW46Q2l2Y28xMjMk
```

### Sample Response

```
HTTP/1.1 200 OK
Date: Mon, 11 Jan 2021 08:22:28 GMT
Content-type: application/json
Content-Length: 207
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Expose-Headers: Content-Disposition, jwtToken

{
  "proxy_settings": {
    "web": {
      "status": "enable",
      "mode": "transparent"
    },
    "socks": "disable",
    "https": "enable",
    "ftp": "enable"
  }
}
```

# Retrieving Identification Methods

You can retrieve allowed and not allowed identification methods information which can be used while creating identification profiles. The syntax and supported attributes are as follows:

<b>Synopsis</b>	GET /wsa/api/v3.0/generic_resources/identification_methods	
<b>Supported Resource Attributes</b>	See <a href="#">AsyncOS API - Addendum to the Getting Started Guide for Secure Web Appliance</a> for more information.	
<b>Request Headers</b>		Host, Accept, Authorization
<b>Response Headers</b>		Content-Type, Content-Length, Connection

## Example

This example shows a query to get identification methods configured on the device.

### Sample Request

```
GET /wsa/api/v3.0/generic_resources/identification_methods
HTTP/1.1
Host: wsa.example.com:6443
User-Agent: curl/7.55.1
Accept: */*
Authorization: Basic YWRtaW46Q21zY28xMjMk
```

### Sample Response

```
HTTP/1.1 200 OK
Date: Mon, 11 Jan 2021 08:22:28 GMT
Content-type: application/json
Content-Length: 154
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email
Access-Control-Allow-Credentials: true
Access-Control-Expose-Headers: Content-Disposition, jwtToken
```

```
{
  "identification_methods": {
    "tui": "disable",
    "authentication": "enable",
    "asa": "enable",
    "ise": "disable"
  }
}
```

