



# General Purpose APIs

General purpose configuration queries will have the **config** resource name as part of the query string. You can only retrieve configuration information (GET), and cannot perform any changes (POST, DELETE) in this release. You can specify the device type to indicate the device from which you need the configuration from the email gateway.

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## Querying for the System Time

### Sample Request

```
GET /esa/api/v2.0/config/system_time?  
HTTP/1.1  
cache-control: no-cache  
Authorization: Basic YWRtaW46Q21zY28xMjMk  
Accept: */*  
Host: esa.example.com:6080  
accept-encoding: gzip, deflate  
Connection: keep-alive
```

### Sample Response

```
HTTP/1.0 200 OK  
Server: API/2.0  
Date: Thu, 12 Apr 2018 18:06:32 GMT  
Content-type: application/json  
Content-Length: 121  
Connection: close  
{  
  "data": {  
    "continent": [  
      "Asia",  
      "India",  
      "Kolkata"  
    ],  
    "time": "Thu Apr 12 23:38:05 2018 IST",  
    "timezone": "Asia/Kolkata"
```

```

    }
}

```

## 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 /esa/api/v2.0/login/privileges
HTTP/1.1
cache-control: no-cache
Postman-Token: a7eca7b8-0656-43db-b692-812396a86976
Authorization: Basic YWRtaW46SXJvbnBvcnQxMjMk
Accept: */*
Host: esa.example.com:6080
accept-encoding: gzip, deflate
Connection: keep-alive

```

### Sample Response

```

HTTP/1.0 200 OK
Server: API/2.0
Date: Thu, 12 Apr 2018 14:17:44 GMT
Content-type: application/json
Content-Length: 4392
Connection: close
{
  "data": [
    "e_message_tracking_messages",
    "e_message_tracking_detail",
    "e_message_tracking_availability",
    "e_message_tracking_verdict",
    "e_message_tracking_dlp_details",
    "e_message_tracking_amp_details",
    ...
    ...
    "e_config_macro_file_types",
    "e_config_geo_countries",
    "e_config_tracking_query_timeout",
    "e_config_spam_quarantine_appearance_details",
    "esa_config_users",
    "e_config_euq_authentication_method",
    "e_config_euq_url_details"
  ]
}

```

## Health API

You can retrieve information about system health using the health API.

<b>Synopsis</b>	GET /api/v2.0/health/
<b>Request Headers</b>	Host, Authorization
<b>Response Headers</b>	Content-Type, Content-Length, Connection

**Sample Request**

```
GET /esa/api/v2.0/health
HTTP/1.1
cache-control: no-cache
Postman-Token: a7eca7b8-0656-43db-b692-812396a86976
Authorization: Basic YWRtaW46aXJvbnBvcnQ=
Accept: */*
Host: esa.example.com:6080
accept-encoding: gzip, deflate
Connection: keep-alive
```

**Sample Response**

```
HTTP/1.0 200 OK
Server: API/2.0
Date: Thu, 12 Sept 2019 14:17:44 GMT
Content-type: application/json; charset=UTF-8
Content-Length: 5782
Connection: close
{
  "meta": {
    "totalCount": -1
  },
  "data": {
    "percentage_ram_utilization": 1,
    "messages_in_pvo_quarantines": 0,
    "resource_conservation": 0,
    "messages_in_workqueue": 0,
    "percentage_swap_utilization": 0.0,
    "percentage_queue_utilization": 0.0,
    "percentage_diskio": 0,
    "percentage_cpu_load": 17
  }
}
```

## Delivery Status API

You can retrieve information about the mail delivery status using the Delivery Status API.

<b>Synopsis</b>	GET /api/v2.0/health/delivery_status
<b>Request Headers</b>	Host, Authorization
<b>Response Headers</b>	Content-Type, Content-Length, Connection

**Sample Request**

```
GET /esa/api/v2.0/health/delivery_status
HTTP/1.1
cache-control: no-cache
Authorization: Basic YWRtaW46SjVbnBvcnRAMzAu
Accept: */*
Host: esa.example.com:6080
accept-encoding: gzip, deflate, br
Connection: keep-alive
```

### Sample Response

```
HTTP/1.0 200 OK
Server: API/2.0
Date: Thu, 12 Sept 2019 14:17:44 GMT
Content-type: application/json; charset=UTF-8
Content-Length: 650
Connection: keep-alive
{
  "meta": {
    "totalCount": -1
  },
  "data": {
    "type": "delivery_status",
    "resultSet": [
      {
        "soft_bounces": 0,
        "latest_host_status": "Unknown",
        "hard_bounces": 0,
        "active_recipients": 0,
        "destination_domain": "the.encrypted.queue",
        "connections_out": 0,
        "delivered_recipients": 0
      },
      {
        "soft_bounces": 0,
        "latest_host_status": "Unknown",
        "hard_bounces": 0,
        "active_recipients": 0,
        "destination_domain": "the.euq.queue",
        "connections_out": 0,
        "delivered_recipients": 0
      },
      {
        "soft_bounces": 0,
        "latest_host_status": "Unknown",
        "hard_bounces": 0,
        "active_recipients": 0,
        "destination_domain": "the.euq.release.queue",
        "connections_out": 0,
        "delivered_recipients": 0
      }
    ]
  }
}
```

## System Status API

You can retrieve information about the overall system status using the System Status API.

<b>Synopsis</b>	GET /api/v2.0/health/system_status
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<b>Request Headers</b>	Host, Authorization
<b>Response Headers</b>	Content-Type, Content-Length, Connection

### Sample Request

```
GET /esa/api/v2.0/health/system_status
HTTP/1.1
cache-control: no-cache
Authorization: Basic YWRtaW46SXJvbnBvcnRAMzAu
Accept: */*
Host: esa.example.com:6080
accept-encoding: gzip, deflate, br
Connection: keep-alive
```

### Sample Response

```
HTTP/1.0 200 OK
Server: API/2.0
Date: Thu, 12 Sept 2019 14:17:44 GMT
Content-type: application/json; charset=UTF-8
Content-Length: 4014
Connection: keep-alive
{
  "meta": {
    "totalCount": -1
  },
  "data": {
    "type": "system_status",
    "resultSet": {
      "rates": [
        {
          "total_completed_recipients_rate_five": 0,
          "delivered_recipients_rate_one": 0,
          "messages_received_rate_five": 0,
          "hard_bounced_recipients_rate_one": 0,
          "hard_bounced_recipients_rate_fifteen": 0,
          "total_completed_recipients_rate_fifteen": 0,
          "recipients_received_rate_one": 0,
          "total_completed_recipients_rate_one": 0,
          "soft_bounced_events_rate_one": 0,
          "delivered_recipients_rate_fifteen": 0,
          "recipients_received_rate_fifteen": 0,
          "soft_bounced_events_rate_fifteen": 0,
          "messages_received_rate_one": 0,
          "soft_bounced_events_rate_five": 0,
          "messages_received_rate_fifteen": 0,
          "delivered_recipients_rate_five": 0,
          "recipients_received_rate_five": 0,
          "hard_bounced_recipients_rate_five": 0
        }
      ],
      "version_details": [
        {
          "build_date": "2022-05-12",
          "operating_system": "14.4.20-008",
          "install_date": "2022-05-22 19:03:09",
          "raid_status": "Unknown",
          "serial_number": "422CBE9B59F1C1EA69CF-34D5DFAB3D39",
          "model": "C300V"
        }
      ]
    }
  }
}
```

```

],
"gauges": [
  {
    "ram_utilization": "1%",
    "email_security_appliance": "0%",
    "msgs_in_work_queue": 0,
    "disk_io_utilization": "0%",
    "total_active_recipients": 0,
    "current_outgoing_connections": 0,
    "total_queue_utilized": "0.0%",
    "anti_virus": "0%",
    "msgs_in_quarantine": 0,
    "quarantine": "0%",
    "reporting": "0%",
    "space_used_by_quarantine": "0B",
    "unattempted": 0,
    "logging_disk_utilization": "2%",
    "attempted": 0,
    "anti_spam": "0%",
    "logging_disk_available": "356G",
    "current_incoming_connections": 1,
    "total_queue_space_used": "0B",
    "overall_cpu_load": "3%",
    "dest_objects_in_memory": 3
  }
],
"mail_system_status": [
  {
    "up_since": "16d 17h 19m 24s",
    "system_status": "Online",
    "oldest_message": "No Messages",
    "status_as_of": "Sun May 22 19:02:54 2022 GMT"
  }
],
"counters": [
  {
    "dns_reqs_reset": 933,
    "dns_hard_bounces_reset": 0,
    "total_hard_bounces_reset": 0,
    "dropped_messages_uptime": 0,
    "deleted_recipients_uptime": 0,
    "net_reqs_lifetime": 17,
    "dk_signed_lifetime": 0,
    "dropped_messages_reset": 0,
    "messages_received_uptime": 177,
    "expired_hard_bounces_uptime": 0,
    "rejected_recipients_reset": 0,
    "expired_hard_bounces_reset": 0,
    "rejected_recipients_uptime": 0,
    "expired_lifetime": 16,
    "global_unsub_hits_reset": 0,
    "recipients_received_uptime": 177,
    "five_xx_hard_bounces_uptime": 0,
    "cache_misses_reset": 17,
    "filter_hard_bounces_reset": 0,
    "five_xx_hard_bounces_lifetime": 0,
    "other_hard_bounces_reset": 0,
    "dns_hard_bounces_uptime": 0,
    "other_hard_bounces_lifetime": 0,
    "total_hard_bounces_uptime": 0,
    "cache_hits_reset": 933,
    "rejected_recipients_lifetime": 0,
    "dns_reqs_uptime": 933,
    "net_reqs_uptime": 17,
  }
]

```

```
"deleted_recipients_lifetime": 0,
"delivered_recipients_uptime": 177,
"dns_reqs_lifetime": 933,
"exceptions_lifetime": 916,
"delivered_recipients_lifetime": 177,
"exceptions_reset": 916,
"delivered_recipients_reset": 177,
"total_completed_recipients_lifetime": 177,
"cache_misses_lifetime": 17,
"generated_bounce_recipients_uptime": 0,
"total_completed_recipients_uptime": 177,
"net_reqs_reset": 17,
"pending_requests": 0,
"global_unsub_hits_uptime": 0,
"cache_hits_uptime": 933,
"dk_signed_uptime": 0,
"other_hard_bounces_uptime": 0,
"last_counter_reset_str": "Never",
"generated_bounce_recipients_reset": 0,
"deleted_recipients_reset": 0,
"messages_received_lifetime": 177,
"soft_bounced_events_uptime": 0,
"recipients_received_reset": 177,
"filter_hard_bounces_uptime": 0,
"expired_hard_bounces_lifetime": 0,
"recipients_received_lifetime": 177,
"total_hard_bounces_lifetime": 0,
"dk_signed_reset": 0,
"filter_hard_bounces_lifetime": 0,
"soft_bounced_events_lifetime": 0,
"dropped_messages_lifetime": 0,
"outstanding_requests": 0,
"cache_hits_lifetime": 933,
"generated_bounce_recipients_lifetime": 0,
"cache_misses_uptime": 17,
"soft_bounced_events_reset": 0,
"global_unsub_hits_lifetime": 0,
"total_completed_recipients_reset": 177,
"messages_received_reset": 177,
"expired_uptime": 16,
"five_xx_hard_bounces_reset": 0,
"dns_hard_bounces_lifetime": 0,
"expired_reset": 16,
"exceptions_uptime": 916
}
}
}
}
```

