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; either a Web Security appliance, Email Security appliance, or a Security Management appliance.

This chapter contains the following sections:

Querying for the System Time

Sample Request

```
GET /sma/api/v2.0/config/system_time?device_type=sma
HTTP/1.1
cache-control: no-cache
Authorization: Basic YWRtaW46Q2lzY28xMjMk
Accept: */*
Host: sma.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"
            }
    }
```

Querying for Managed Email Security Appliances' Information

Sample Request

```
GET /sma/api/v2.0/config/appliances?device_type=sma
HTTP/1.1
cache-control: no-cache
Authorization: Basic YWRtaW46Q2lzY28xMjMk
Accept: */*
Host: sma.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 18:09:07 GMT
Content-type: application/json
Content-Length: 341
Connection: close
{
    "data": {
        "appliances": [
            {
                "123A45B6C678-1CDEFG2": {
                    "host_name": "esa11.1",
                    "ip_address": "10.76.69.29",
                    "product_type": "ESA"
                }
            },
            {
                "123A45B6C678-1CDEFG3": {
                    "host_name": "esa11.0",
                    "ip_address": "10.76.68.224",
                    "product_type": "ESA"
                }
            },
            {
                "123A45B6C678-1CDEFG3": {
                    "host_name": "esa10.0.2",
                    "ip_address": "10.76.71.63",
                    "product_type": "ESA"
                }
            }
        ]
    }
}
```

Querying for the Details of Centralized Services

Sample Request

```
GET /sma/api/v2.0/config/centralized_services?device_type=sma
HTTP/1.1
cache-control: no-cache
```

```
Authorization: Basic YWRtaW46Q2lzY28xMjMk
Accept: */*
Host: sma.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 18:13:50 GMT
Content-type: application/json
Content-Length: 169
Connection: close
{
    "data": {
        "centralized_quarantines": {
            "pvo_quarantine": "Enabled",
            "spam_quarantine": "Enabled"
        },
        "centralized_reporting": "Enabled",
        "centralized_tracking": "Enabled"
    }
}
```

Querying for Reporting Groups' Information

You can query for information about Reporting Groups, that include one or more Email Security appliances.

Sample Request

```
GET /sma/api/v2.0/config/reporting_groups?device_type=sma
HTTP/1.1
cache-control: no-cache
Authorization: Basic YWRtaW46SXJvbnBvcnQxMjMk
Accept: */*
Host: sma.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 05:41:47 GMT
Content-type: application/json
Content-Length: 397
Connection: close
{
    "data": {
        "reporting_groups": [
            {
                "2_esa_grp": {
                    "appliances": [
                        "123A45B6C678-1CDEFG2",
                        "123A45B6C678-1CDEFG3"
                    ]
                }
            },
            {
                "Emtpy_Group": {
                    "appliances": []
                }
```

```
            },
            {
                "du!@#$%^&*()_+{}=_+{}][:\"';<>?/.,": {
                    "appliances": [
                        "123A45B6C678-1CDEFG4",
                        "123A45B6C678-1CDEFG5"
                    ]
                }
            },
            {
                "Hosted_Group": {
                    "appliances": [
                        "123A45B6C678-1CDEFG6",
                        "123A45B6C678-1CDEFG7"
                    ]
                }
            },
            {
                "1_esa_grp": {
                    "appliances": [
                        "123A45B6C678-1CDEFG8"
                    ]
                }
            }
        ]
    }
}
```

Retrieving APIs Accessible to a User Role

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

Synopsis	`GET /api/v2.0/login/privileges`
Request Headers	Host, Accept, Authorization
Response Headers	Content-Type, Content-Length, Connection

Sample Request

```
GET /sma/api/v2.0/login/privileges
HTTP/1.1
cache-control: no-cache
Postman-Token: a7eca7b8-0656-43db-b692-812396a86976
Authorization: Basic YWRtaW46SXJvbnBvcnQxMjk=
Accept: */*
Host: sma.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",
        "sma_config_users",
        "e_config_euq_authentication_method",
        "e_config_euq_url_details"
    ]
}
```

Retrieving the System Status

Retrieve the system status of the feature.

Synopsis	GET /sma/api/v2.0/config/centralizedServices/systemStatus

This example shows a query to retrieve the system status of a feature.

Sample Request

```
GET /sma/api/v2.0/config/centralizedServices/systemStatus?device_type=sma HTTP/1.1
cache-control: no-cache
Postman-Token: 0d768c44-40cd-445d-881e-f13cc0965ff1
Authorization: Basic YWRtaW46Q2lzY29AMTIz
User-Agent: PostmanRuntime/7.6.0
Accept: */*
Host: 10.8.159.21:6080
accept-encoding: gzip, deflate
Connection: keep-alive
```

Sample Response

```
HTTP/1.1 200 OK
Server: API/2.0
Date: Thu, 30 Jul 2020 16:37:05 GMT
Cache-control: no-store
Pragma: no-cache
Content-type: application/json; charset=UTF-8
X-Content-Type-Options: nosniff
Content-Length: 788
Connection: close
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: content-type, jwttoken, mid, h, email, portal, cache-control,
 pragma
Access-Control-Allow-Credentials: true
Access-Control-Allow-Methods: GET, POST, PUT, DELETE, OPTIONS
Access-Control-Expose-Headers: Content-Disposition, jwtToken

{"data": {"systemStatus": {"diskQuota": {"pvoQuarantine": "0.0", "spamQuarantine": "0.0"},
 "applianceStatus": {"pvoQuarantine": {"activeDevices": 2, "totalDevices": 2},
"centralizedReporting": {"activeDevices": 2, "totalDevices": 2}, "centralizedTracking":
"Service disabled - Centralized Tracking", "spamQuarantine": "Service disabled - Spam
```

```
Quarantine"}, "licencesStatus": {"pvoQuarantine": {"licences": 2}, "centralizedReporting":
 {"licences": 2}, "centralizedTracking": "Service disabled - Centralized Tracking",
"spamQuarantine": "Service disabled - Spam Quarantine"}, "quarantineMessages":
{"pvoQuarantine": 0, "spamQuarantine": 0}, "emailAppliancesStatus": {"activeDevices": 2,
"totalDevices": 2}, "processingQueue": {"centralizedReporting": "0.0", "centralizedTracking":
 "0.0"}}}}
```