Note: This is Reference for v2 of Logsene API.

Note: For details on SPM API, see SPM API Reference.

Introduction to Management API

Logsene HTTP API is used to easily manage and access your Logsene Apps and their data remotely, without the need to be logged-in via a browser. It also makes it possible to automate certain tasks, such as creation of new Apps, definition of Alert Rules, etc.

To use the management APIs, you need the API key for your Account (or, if you are a guest to some other Account under which you want to manage Apps, Alerts..., then API key of that Account) - it can be found **here**. API key needs to be passed as an attribute to all API calls and is used by Logsene to authenticate Account under which some API call is done. API keys and App tokens used in this document are fake. Use your own API key and App tokens.

Access to API key of some Account is allowed for **OWNER**, **BILLING_ADMIN** and **ADMIN** users. Users with **USER** role **cannot** access API key of that Account, though they can always use their own Account's API key to manage their own Account, Apps, etc. For more info about Account Sharing please see SPM FAQ.

Elasticsearch-compatible Search API

To use the search APIs, see Search through the Elasticsearch API. This API is **fully compatible with Elasticsearch's APIs**. To use it you need just your Logsene App tokens, not the API key. The rest of this document describes only the app management APIs. For searching your logs from the terminal/console, see Logsene CLI.

Request/Response format

All API calls accept JSON in requests and return JSON response. All API call requests should contain **apiKey** attribute (among other attributes specific for that API call). Example of content of one such call:

```
{
   "apiKey":"a9092d95-d062-4499-ad0b-a1b43fadb9b5",
   "name":"new-logsene-app-1"
}
```

All API responses contain attribute **success** which has value **true** or **false**. Optional response attributes are **message** (which provides textual message about

what API call did) and **data** (which contains data returned by the call). Example of response:

Also, all responses contain an HTTP code which describes success or failure. In case of a successful call, HTTP code will be $\bf 200$ (OK). Any other non-2XX HTTP code represents an error (most commonly used codes are $\bf 400$ - Bad Request, $\bf 401$ - Unauthorized, $\bf 403$ - Forbidden and $\bf 500$ - Internal Server Error).

Regions

API call examples use apps.sematext.com. If you are using Sematext Cloud Europe replace apps.sematext.com hostname with apps.eu.sematext.com hostname.

Apps API

Create Logsene App

Creates new Logsene app under referenced account.

API call

HTTP Method

Attributes

Description

https://apps.sematext.com/logsene-reports/api/v2/app/add

POST

apiKey (of account under which app will be created)

name (of app which will be created)

discountCode (optional parameter, send only if you have a valid code)

Creates new Logsene application under account defined by apiKey, with name name (such name should be unique among other Logsene apps under this account)

```
Example of API call:
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "name": "new-logsene-app-1"
Example of success response (with HTTP status 200):
{
  "success" : true,
  "message": "Created application for dto: [name=new-logsene-app-1,apiKey=a9092d95-d062-449]
  "data" : {
    "token" : {
      "new-logsene-app-1": "61611d45-6ecd-47f7-b5b4-6faccdb2f8c4"
  }
}
Example of non-200 response:
{
  "success" : false,
  "message": "User identified with API key a9092d95-d062-4499-ad0b-a1b43fadb9b4 doesn't ex
}
List Apps
API call
HTTP Method
Attributes
Description
https://apps.sematext.com/users-web/api/v2/app/list
POST
apiKey (of account whose apps are fetched)
Fetches all apps which can be accessed by account represented with apiKey. All
app roles will be included (OWNER, ADMIN, USER). Apps available through
sharing of other accounts will not be returned.
Example of API call:
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/users-web/ap:
{
```

```
"apiKey": "a9092d95-d06-4499-ad0b-a1b43fadb9b5"
Example of a success response (with HTTP code 200):
  "success" : true,
  "data" : {
    "apps" : {
      "logsene" : [ {
        "planId" : "10000",
        "trialEndDate" : "Sun Jul 17 23:59:59 UTC 2015",
        "appType" : "Logsene",
        "appStatus" : "ACTIVE",
        "ownerEmail" : "some-email-address@your-company.com",
        "planName" : "Basic Logsene",
        "token": "01f1d605-8ab4-4a08-bf7e-ef2749e90de5",
        "service" : "logsene",
        "role" : "USER",
        "name" : "logsene1"
      }, {
        "planId" : "10000",
        "trialEndDate" : "Sun Jul 17 23:59:59 UTC 2015",
        "appType" : "Logsene",
        "appStatus" : "ACTIVE",
        "ownerEmail" : "some-email-address@your-company.com",
        "planName" : "Basic Logsene",
        "token": "61ae423c-9e81-4201-9a57-30442196200d",
        "service" : "logsene",
        "role" : "ADMIN",
        "name" : "logsene2"
      }, {
      }, {
        "planId" : "27",
        "trialEndDate" : "Sun Feb 17 23:59:59 UTC 2015",
        "appType" : "Solr",
        "appStatus" : "ACTIVE",
        "ownerEmail" : "some-email-address@your-company.com",
        "planName" : "Pro Silver SPM Solr",
        "token" : "61611d45-6ecd-47f7-b5b4-6faccdb2f8c4",
        "service" : "spm",
        "role" : "OWNER",
        "name" : "spmSolr1"
      } ]
```

```
}
}
}
```

Note: It will return all apps registered under provided account, not just Logsene apps.

Alerts API

Logsene Alerts HTTP API lets you:

- list all alerts defined for some app
- delete/enable/disable individual alerts
- create new alerts (of any type: threshold, anomaly)
- list alert notifications

When using Logsene Alerts API, you will need to use API key which belongs to OWNER of the app to which alerts are related. If you are managing alerts for your apps, then just use your API key. If you are managing alerts for apps that belong to some other account (and your are just a guest in that account with role **BILLING_ADMIN** or **ADMIN**), you will have to use API key of that account (in both cases the key can be found here, you just have to consider which account you are currently logged into).

List Alerts

Fetches all alerts of specific type (threshold, anomaly) for a particular Logsene app.

API call

HTTP Method

Attributes

Description

https://apps.sematext.com/logsene-reports/api/v2/alert/threshold/list

POST

apiKey (of owner of app represented with "token")

appToken (of app whose alerts are fetched)

Fetches all threshold based alerts for app defined with appToken

https://apps.sematext.com/logsene-reports/api/v2/alert/anomaly/list

POST

apiKey (of owner of app represented with "token")

```
Fetches all anomaly alerts for app defined with appToken
Examples of API calls:
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "appToken": "12c91563-ba95-4a73-aa5a-08fe04b94631"
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "appToken": "12c91563-ba95-4a73-aa5a-08fe04b94631"
Example of success response (with HTTP status 200):
{
  "success" : true,
  "data" : {
    "alertRules" : {
      "140" : {
        "sendToEmail" : "email-to-send-alerts-to@your-company.com",
        "muteTimePeriodInMinutes" : "30",
        "minDelayBetweenNotificationsInMinutes" : "60",
        "maxNotificationsInMutePeriod" : 3,
        "ignoreRegularEventsEnabled" : false,
        "muteIsGlobal" : false,
        "analyzingTime" : "300",
        "enabled" : true,
        "name" : "Apache Alert",
        "query" : "apache",
        "estimateOperation" : "LESS_OR_EQUAL",
        "estimateValue" : 0.0,
        "backToNormalNeeded" : false
      },
      "149" : {
        "sendToEmail" : "email-to-send-alerts-to@your-company.com",
        "muteTimePeriodInMinutes" : "30",
        "minDelayBetweenNotificationsInMinutes" : "60",
        "maxNotificationsInMutePeriod" : 3,
        "ignoreRegularEventsEnabled" : false,
        "muteIsGlobal" : false,
        "analyzingTime" : "300",
```

appToken (of app whose alerts are fetched)

```
"enabled" : true,
    "name" : "Warn Alert",
    "query" : "warn",
    "estimateOperation" : "MORE",
    "estimateValue" : 500.0,
    "backToNormalNeeded" : false
    }
}
}
```

If response succeeded, HTTP code will be 200 and response content will be a map where keys are alert IDs (which can be used as parameter in other Alerts API calls) and values are alert objects. The previous example shows "threshold" alerts; other alert types will show different attributes in alert objects.

The output of this call can be directly reused for creation of new alerts, you can just copy alert objects and reuse them (or you can also adjust some attributes).

Create Alert

There are 2 types of alerts available in Logsene - threshold and anomaly. Each of them has different attributes so there are 2 different API calls for creating them.

Threshold and Anomaly Alerts are created for a specific query.

Create Threshold Alert

API call

HTTP Method

Attributes

Description

https://apps.sematext.com/logsene-reports/api/v2/alert/threshold/add

POST

apiKey (of owner of app represented with "token")

appToken (of app for which alert is created)

• attributes specific to threshold alert Creates new threshold based query alert for Logsene app defined with appToken

Example of API call:

```
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "appToken": "12c91563-ba95-4a73-aa5a-08fe04b94631",
  "alertRule" :{
    "name": "Apache alert",
    "query": "apache",
    "sendToEmail": "email-to-send-alerts-to@your-company.com",
    "ignoreRegularEventsEnabled" : false,
    "analyzingTime" : 5,
    "minDelayBetweenNotificationsInMinutes" : "10",
    "enabled" : true,
    "estimateOperation" : "MORE",
    "estimateValue" : 400.0,
    "backToNormalNeeded" : false,
    "ruleType": "LogseneAlertRule"
}'
Example of a success response (with HTTP code 200):
  "success" : true,
  "message" : "Alert rule created",
  "data" : {
    "alertRule" : {
      "sendToEmail" : "email-to-send-alerts-to@your-company.com",
      "minDelayBetweenNotificationsInMinutes" : "10",
      "ignoreRegularEventsEnabled" : false,
      "analyzingTime" : "5",
      "systemId" : 1,
      "enabled" : true,
      "name" : "Apache alert",
      "query" : "apache",
      "useOnlyAlertRuleIntegrations" : false,
      "estimateOperation" : "MORE",
      "estimateValue" : 400.0,
      "backToNormalNeeded" : false
    }
 }
}
Create Anomaly Alert
```

API call

HTTP Method

```
Attributes
Description
https://apps.sematext.com/logsene-reports/api/v2/alert/anomaly/add
POST
apiKey (of owner of app represented with "token")
appToken (of app for which alert is created)
  • attributes specific to anomaly alert
     Creates new anomaly query alert for Logsene app defined with appToken
Example of API call:
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
{
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "appToken": "12c91563-ba95-4a73-aa5a-08fe04b94631",
  "alertRule" :{
    "name": "Apache anomaly alert",
    "query": "apache",
    "sendToEmail": "email-to-send-alerts-to@your-company.com",
    "minDelayBetweenNotificationsInMinutes" : "10",
    "ignoreRegularEventsEnabled" : false,
    "analyzingTime" : 60,
    "enabled" : true,
    "backToNormalNeeded" : false,
    "ruleType": "LogseneAnomalyAlertRule"
}'
Example of a success response (with HTTP code 200):
  "success" : true,
  "message" : "Alert rule created",
  "data" : {
    "alertRule" : {
      "sendToEmail" : "email-to-send-alerts-to@your-company.com",
      "minDelayBetweenNotificationsInMinutes" : "10",
      "ignoreRegularEventsEnabled" : false,
      "analyzingTime" : "60",
      "systemId" : 1,
```

"enabled" : true,

"query" : "apache",

"name" : "Apache anomaly alert",

"backToNormalNeeded" : false

"useOnlyAlertRuleIntegrations" : false,

```
}
  }
}
Errors will be returned in case of wrong apiKey or appToken or if some of
values are missing. Example of a error response when query is not sent (with
HTTP code 400):
 "success" : false,
 "message" : "Missing mandatory param alertRule.query"
Delete Alert
API call
HTTP Method
Attributes
Description
https://apps.sematext.com/logsene-reports/api/v2/alert/delete/{alertId}
DELETE
apiKey (of owner of app represented with "token")
appToken (of app to which alert belongs)
Deletes a single alert rule
Note: {alertId} value in URL should be replaced with real id of alert rule which
should be deleted - alertId of each alert is returned as a key in list alerts API
call response.
Example API call:
curl -X DELETE -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-re
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "appToken": "12c91563-ba95-4a73-aa5a-08fe04b94631"
71
Example of a success response (with HTTP code 200):
  "success" : true,
  "message": "Alert with alertId 141 deleted",
```

"data" : {

"alertId" : "141"

```
Enable/Disable Alert
API call
HTTP Method
Attributes
Description
https://apps.sematext.com/logsene-reports/api/v2/alert/enable/{alertId}
POST
apiKey (of owner of app whose alert is enabled)
appToken (of app to which alert belongs)
Enables alert
https://apps.sematext.com/logsene-reports/api/v2/alert/disable/{alertId}
apiKey (of owner of app whose alert is enabled)
appToken (of app to which alert belongs)
Disables alert
Note: {alertId} value in URL should be replaced with real id of alert rule which
should be deleted - alertId of each alert is returned as a key in list alerts API
call response.
Example API calls:
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "appToken": "12c91563-ba95-4a73-aa5a-08fe04b94631"
}'
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "appToken": "12c91563-ba95-4a73-aa5a-08fe04b94631"
Example of a success responses (with HTTP code 200):
{
  "success" : true,
```

"message" : "Alert with alertId 141 enabled",

```
"data" : {
    "alertId" : "141"
}

{
    "success" : true,
    "message" : "Alert with alertId 141 disabled",
    "data" : {
        "alertId" : "141"
    }
}
```

List Alert Notifications (Coming soon!)

API call

HTTP Method

Attributes

Description

https://apps.sematext.com/logsene-reports/api/v2/alert/notification/list

POST

apiKey (of owner of apps whose alert notifications want to list)

appToken (of app to list alert notifications for; it is optional - if omitted, alerts for all active apps will be returned)

start (time of interval to return alert notifications for; optional; can be expressed as timestamp in milliseconds or UTC date in format yyyy-MM-dd HH:mm:ss)

end (time of interval to return alert notifications for; optional; can be expressed as timestamp in milliseconds or UTC date in format yyyy-MM-dd HH:mm:ss)

interval (to return alert notifications for, expressed in milliseconds; optional; Can use suffixes s, m, h, d to express interval in seconds, minutes, hours, days - e.g. "1d" is equal to "86400000")

List alerts for provided user, app and defined time interval.

Examples of API calls:

```
# alert notifications for last 24h for all apps owned by user with provided key
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
"apiKey":"a9092d95-d062-4499-ad0b-a1b43fadb9b5"
}'
```

alert notifications for last 24h for app with provided token

```
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "appToken": "12c91563-ba95-4a73-aa5a-08fe04b94631"
# alert notifications for one hour interval specified with start and end
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "start": "2015-07-28 12:36:14",
  "end": "2015-07-28 13:36:14",
71
# alert notifications for last hour
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "interval": "1h",
71
# alert notifications created after timestamp provided in start
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "start":"1438086975139"
Example of success response (with HTTP code 200):
  "success" : true,
  "data" : {
    "alerts" : [ {
      "when" : "23 hours ago",
      "text" : "Test alert",
      "createTime" : "2015-07-28 13:38:26",
      "backToNormal" : false,
      "appName" : "logsene-api-test",
      "appType" : "Logsene",
      "sent" : true
      "when" : "23 hours ago",
      "text" : "Test alert",
      "createTime": "2015-07-28 13:35:11",
      "backToNormal" : false,
      "appName" : "test-logsene",
      "appType" : "Logsene",
      "sent" : true
    } ],
    "start": "2015-07-28 12:36:15",
```

```
"end" : "2015-07-29 12:36:15"
}
```

Regardless on how input is defined, output will contain list of alert notifications matching criteria and start and end dates of returned interval. Following tables explains rules how star, end and interval are combined.

```
"start"
"end"
"interval"
Rule
No
No
No
[current - 24h, current]
No
No
Yes
[current - interval, current]
No
Yes
No
[end - 24h, end]
No
Yes
Yes
[end - interval, end]
Yes
No
No
[start, current]
Yes
No
```

```
Yes
[start, start + interval]
Yes
Yes
No
[start, end]
Yes
Yes
Yes
Yes
[start, end]
```

Subscriptions API

Subscriptions API provides API calls for fetching of existing subscriptions and for triggering emailing of reports.

List Subscriptions

For particular Logsene application, this API call will return a list of all existing subscriptions.

API call

HTTP Method

Attributes

Description

https://apps.sematext.com/logsene-reports/api/v2/subscription/list

POST

apiKey (of owner of app represented with "token")

appToken (token of app whose metrics info is being fetched)

Fetches subscriptions for Logsene app defined with appToken.

Example of API call:

```
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "appToken": "01f1d605-8ab4-4a08-bf7e-ef2749e90de5"
Example of a success response (with HTTP code 200):
  "success" : true,
  "data" : {
    "subscriptions" : [ {
      "subscriptionId" : "55",
      "subject" : "[Sematext Logsene] 'Query: warning' for 'Logsene web server' application
      "appToken" : "01f1d605-8ab4-4a08-bf7e-ef2749e90de5",
      "appName" : "logsene1",
      "timeRange" : "ONE WEEK",
      "attributes" : [ "report name = Query: warning, filters: " ],
      "emailTo" : [ "email-to-send-alerts-to@your-company.com" ]
              "subscriptionId" : "76",
      "subject" : "[Sematext Logsene] 'Query: error' for 'Logsene web server' application."
      "appToken" : "01f1d605-8ab4-4a08-bf7e-ef2749e90de5",
      "appName" : "logsene1",
      "timeRange" : "ONE_WEEK",
      "attributes" : [ "report name = Query: error, filters: " ],
      "emailTo" : [ "email-to-send-alerts-to@your-company.com" ]
    } ]
 }
}
```

Email Report

Triggers instant emailing of a report defined by some subscription.

```
API call
```

```
https://apps.sematext.com/logsene-reports/api/v2/subscription/send/\{subscriptionId\}
```

Example of API call:

```
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
{
    "apiKey":"a9092d95-d062-4499-ad0b-a1b43fadb9b5",
    "appToken":"262f66e5-0951-488b-9c92-379ba71a4299"
}'
```

```
Example of a success response (with HTTP code 200):
{
   "success" : true,
   "message" : "Report for subscription with ID 36 sent"
```

Saved Queries API (Coming soon!)

Logsene Saved Queries HTTP API lets you:

- list all saved queries defined for some app
- delete individual saved queries
- create new saved query

When using Logsene Saved Queries API, you will need to use API key which belongs to OWNER of the app to which saved queries are related. If you are managing saved queries for your apps, then just use your API key. If you are managing saved queries for apps that belong to some other account (and your are just a guest in that account with role BILLING_ADMIN or ADMIN), you will have to use API key of that account (in both cases the key can be found here, you just have to consider which account you are currently logged into).

List Saved Queries

```
Fetches saved queries for a particular Logsene app.
```

API call

HTTP Method

Attributes

Description

https://apps.sematext.com/logsene-reports/api/v2/query/list

POST

```
apiKey (of owner of app represented with "token")
```

appToken (of app whose saved queries are fetched)

Fetches all saved queries for app defined with appToken

Examples of API calls:

```
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
{
    "apiKey":"a9092d95-d062-4499-ad0b-a1b43fadb9b5",
```

If response succeeded, HTTP code will be 200 and response content will be a map where keys are query IDs (which can be used as parameter in delete saved query API call) and values are query objects.

Create Saved Query

```
API call
```

HTTP Method

Attributes

Description

https://apps.sematext.com/logsene-reports/api/v2/query/add

POST

```
apiKey (of owner of app represented with "token")
```

appToken (of app for which saved query is created)

queryName (display name, does not have to be unique)

queryString (saved query string)

Creates new saved query with provided name and query string for Logsene app defined with appToken

Example of API call:

```
curl -X POST -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-report
  "apiKey": "a9092d95-d062-4499-ad0b-a1b43fadb9b5",
  "appToken": "12c91563-ba95-4a73-aa5a-08fe04b94631",
  "query":{
    "queryName" : "Hot",
    "queryString" : "tag:(hot)"
  }
}'
Example of a success response (with HTTP code 200):
{
  "success" : true,
  "message" : "Query created",
  "data" : {
    "query":{
      "id" : 50,
      "queryName" : "Hot",
      "queryString" : "tag:(hot)"
  }
}
Delete Saved Query
API call
HTTP Method
Attributes
Description
https://apps.sematext.com/logsene-reports/api/v2/query/delete/{queryId}
DELETE
apiKey (of owner of app represented with "token")
appToken (of app to which saved query belongs to)
Deletes a single saved query
```

Note: {queryId} value in URL should be replaced with real id of saved query which should be deleted - queryId of each saved query is returned as a key in **list**

saved queries API call response.

Example API call:

```
curl -X DELETE -k -H "Content-Type: application/json" "https://apps.sematext.com/logsene-re]
   "apiKey":"a9092d95-d062-4499-ad0b-a1b43fadb9b5",
   "appToken":"12c91563-ba95-4a73-aa5a-08fe04b94631"
}'

Example of a success response (with HTTP code 200):
{
    "success" : true,
    "message" : "Query with queryId 50 deleted",
    "data" : {
        "queryId" : "50"
    }
}
```

Elasticsearch-compatible API

For details read this.