Kokatto Automatic Notification

API Reference

API Version 2015-10-01

Client ID : 8003

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Common Request Parameters

Name	Description	Required
`timestamp`	The date and time when the request is signed, in the format: yyyy-MM-dd'T'HH:mm:ssZ , Using RFC 822 4-digit time zone format. Timestamp is only valid in range between current server time and after five minutes current time. Example: `2015-10-29T17:00:00+0700`	Yes
`action`	The action to perform Example: `create`	Yes
`signature`	The request signature. For more information for signing request, see [Signing Request Parameter section](#). Example: `6CE0A78F955726A2328D4500DFF3550293A1F71A4 3B3145F5AC05B864F114C6D`	Yes
`clientId`	The Client ID that Kokatto already gave to Client. It consists of 4 digit numbers. Example: 8003	Yes
`appType`	The application type that Client has in Kokatto Automatic Notification. It consists of 3 letter of alphabets. Example: CAE	Yes
`version`	The API version to use	No

	Example: 2015-10-01	
`responseType`	The expected type of response. Available types are only XML(by default) and JSON. Example: JSON	No

Signing Request Parameters

1. Url encode the all request query parameters.
2. Split each query parameters and sort by the parameter name with natural byte ordering.
3. Rejoin query parameters with '&' (rebuild query).
4. MD5 hash the query parameters.
5. Calculate an RFC 2104-compliant HMAC with the query string you just MD5 hashed, your Secret Key that already obtained from Kokatto as the key, and SHA256 as the hash algorithm.
6. Url encode the result.
7. Use the resulting value as the value of `signature` request query parameter.

Here is the PHP script to generate signed request :

```php
function generateKokattoAPISignedRequest($queryString, $secretKey){

    //construct query string into map
    parse_str($queryString, $queryStringMap);

    //sort map by key
    ksort($queryStringMap);

    //construct map into query string
    $query = http_build_query($queryStringMap);

    //md5 hash query string
    $queryMd5 = md5($query);

    //generate hmac hash with sha256 method
```

```
        $queryHmacSha256 = hash_hmac('sha256', $queryMd5, $secretKey);

        //url encode hmac hash
        $signatureEncoded = urlencode($queryHmacSha256);

        //append the signature in query parameters
        $queryEncoded = $queryString . "&signature=" .$signatureEncoded;

        return $queryEncoded;

}
```

Notification

Host URL for notifications : GET `http://api.kokatto.com/notifications`

Create Notification
App Type : CAE

Request Parameters

Name	Description	Required
EMAIL_1	Email address that will be used to send notification via email.	Yes
EMAIL_2	Email address that will be used to send notification via email.	No
EMAIL_3	Email address that will be used to send notification via email.	No
clientNotifRefId	Reference ID as identifier for each request / client data.	Yes
emailContent	Email body, html tag is allowed	Yes

Examples

Example 1

Sample Request

GET
http://api.kokatto.com/notifications?timestamp=2015-10-30T13:35:00+07
00
&clientId=8003
&appType=CAE
&action=create
&EMAIL_1=client@kokatto.com
&clientNotifRefId=KKT-AA-24
&emailContent=Hello World
&signature=79C2530907B6E3CFF2D646AE06F74C335776017C15B32102D17D0722D8
28D77A

Sample Response
<Response>
<Status>Success</Status>
<StatusCode>201 Created</StatusCode>
<Message>Notification has been created</Message>
<RequestID>a134d7381bca25ea4da3525e7895f11023589742</RequestID>
</Response>

Example 2

Sample Request

GET
http://api.kokatto.com/notifications?timestamp=2015-10-30T13:35:00+07
00
&clientId=8003
&appType=CAE
&action=create
&EMAIL_1=client@kokatto.com
&clientNotifRefId=KKT-AA-24
&signature=79C2530907B6E3CFF2D646AE06F74C335776017C15B32102D17D0722D8
28D77A

Sample Response
<Response>

```
<Status>Error</Status>
<StatusCode>400 Bad Request</StatusCode>
<Message>Missing Notif Data : [emailContent]</Message>
<RequestID>3b14add5ad4245fd79e0dd5fa98fd5d9123908499</RequestID>
</Response>
```

Common Errors Response

Error Message	Description
Missing data in query parameters	Missing one or more required common query parameter(s) in request.
Timestamp is already expired	The request has reached the service more than 5 minutes after timestamp on request or the timestamp in request is more than 5 minutes in the future.
Invalid format of timestamp, please use UTC timestamp ISO8601 standard format	The timestamp format should be in format : yyyy-MM-dd'T'HH:mm:ssZ , using RFC 822 4-digit time zone format. Z represents timezone that you use, for example: +0700 or −0100
Invalid version numbers	The version number that can be used is based on Kokatto Client API Version.
Invalid clientId	The clientId is undefined in Kokatto Client API. This might be that your secret key is already expired. Please contact support@kokatto.com
Invalid clientId and appType	The combination between clientId and appType doesn't match. The appType is also undefined in Kokatto Client API.
Signature doesn't match with query parameters	The request query parameters that already been sent doesn't match with signature in the query parameter. Please take a look at Signing Request Parameters section.
Invalid action value	The action value is undefined in Kokatto Client API.

`Error encoding signature`	There is an error while generating the signature, please contact : support@kokatto.com
`Error encrypting signature`	There is an error while generating the signature, please contact : support@kokatto.com
`Internal server error, please try again later.`	Error occurs on server, please contact : support@kokatto.com