

Haveeru Online API Documentation (v1.0)

Haveeru Online Data API Documentation

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Member Login:**Authentication:** Required**Request Method:** POST**Request URL:** <http://api.haveeru.com.mv/a/login>**Required Parameters:**

| | |
|-----------|--|
| app_id | Application ID given by Haveeru Online when the application is registered |
| device_id | If a mobile application device ID or a reference ID used by developer to group users. For example, if an iOS app UDID. |
| email | Email Address of the user (username) |
| password | Password for the signing user |
| signature | Signature calculated for data being passed to API |

Signature Calculation:

$$\text{md5}(\text{app_id} + \text{device_id} + \text{email} + \text{password} + \text{secret})$$

md5 hash of data arranged in alphabetic order and app secret appended to the string.

Response Type: JSON**Response Reasons:**

| | |
|----|---|
| 0 | Status ok, user token will be passed along with user data |
| 1 | App ID |
| 2 | Signature required |
| 3 | Email required |
| 4 | Invalid Email |
| 5 | Password required |
| 6 | Invalid Application ID (app registration not found) |
| 7 | Application Blocked from api |
| 8 | Signature does not match – signature passed and signature calculated by server does not match |
| 9 | User not found |
| 10 | User blocked from Haveeru Online |
| 11 | Incorrect Password |
| 12 | Device blocked to perform the operation |

User Registration:**Authentication:** Required**Request Method:** POST**Request URL:** <http://api.haveeru.com.mv/a/register>**Required Parameters:**

| | |
|-------------|--|
| app_id | Application ID given by Haveeru Online when application is registered |
| device_id | If a mobile application device ID or a reference ID used by developer to group users. For example, if an iOS app UDID. |
| fullname | Full name of the user to be registered |
| screen_name | Unique name of the user to be registered (without any spaces) |
| email | Unique email address of the user to be registered |
| password | Password of the user to be registered |
| signature | Signature calculated for data being passed to API |

Signature calculation:

$$\text{md5}(\text{device_id} + \text{email} + \text{fullname} + \text{password} + \text{screen_name} + \text{secret})$$

md5 hash of data arranged in alphabetic order and app secret appended to the string.

Note: Password confirmations need to be implemented by developer at the application level.**Response Type:** JSON**Response Reasons:**

| Response code | Reason |
|---------------|---|
| 0 | Status ok, user registered – user data and token will be passed with response code 0 |
| 1 | Application ID required |
| 2 | Signature required |
| 3 | Email required |
| 4 | Screen name required |
| 5 | Fullname required |
| 6 | Password required |
| 7 | Invalid Email (4-30 characters in length) |
| 8 | Invalid Screen Name (alpha numeric only, 4-20 characters in length) |
| 9 | Invalid Password (alpha numeric only, 6-20 characters in length) |
| 10 | Invalid Application ID – (app registration not found) |
| 11 | Application blocked from api |
| 12 | Signature does not match – signature passed and signature calculated by server does not match |
| 13 | Screen name reserved/not available for registration |
| 14 | Email already registered |
| 15 | Screen name already registered |
| 16 | Device ID required |
| 17 | Device blocked to perform the operation |

User Profile:**Authentication:** User Token**Request Method:** GET**Request URL:** [http://api.haveeru.com.mv/a/profile/\(token\)](http://api.haveeru.com.mv/a/profile/(token))**Request Parameters:**

| | |
|-------|---|
| token | Token assigned to user when the user logged in to application |
|-------|---|

Response Type: JSON**Request Response:**

| | | |
|--------|---|----------------------------------|
| status | Status code | |
| user | User data in an array. The following properties are available | |
| | user_id | User ID |
| | fullname | Full name of the user |
| | email | Email address of the user |
| | image | Profile picture of the user |
| | image_data | Profile picture as a data string |

Status Reasons:

| | |
|---|----------------------|
| 0 | Success |
| 1 | Invalid token / User |

List Articles:

Authentication: Not required

Request Method: GET/POST

Request URL: <http://api.haveeru.com.mv/articles/list>

Response Type: JSON

Request Result:

| | | |
|-----------------|--|--|
| items | An array of news items. Items has the following properties | |
| | postid | ID of the article |
| | title | Title of the articles |
| | coverage | Which type of the coverage it is (normal breaking recent). This is available on the first child of items, where the first child means the featured item. |
| | comments | Number of comments the article has |
| | datetime | Timestamp of the article |
| | link | Link to read the article on Haveeru Onlin |
| | image | Thumbnail path of the featured image |
| | image_data | Data format image of the featured thumbnail |
| | last_updated | Last updated timestamp of the article |
| version | Version number of the feed, check the Version Checking section of documentation to get more information about this. | |
| optional | Optionally the following parameter can be parsed in a POST request | |
| | width | Available width for the content, default 320 |

Read Article:**Authentication:** Not required**Request Method:** GET**Request URL:** [http://api.haveeru.com.mv/articles/read/\(id\)](http://api.haveeru.com.mv/articles/read/(id))**Sample URL:** <http://api.haveeru.com.mv/articles/read/127059>**Required Parameters:**

| | |
|----|-------------------|
| id | ID of the article |
|----|-------------------|

Please see the Sample URL for help in building Request URL.

Response Type: JSON**Request Result:**

| | | |
|---------------|--|-------------------------------------|
| news_id | ID of the article | |
| heading | Heading of the article | |
| image | An array of images attached to article, each image has the following child properties. | |
| | image | Location of the image file |
| | caption | Caption of the image. |
| coverage | Indication of which type of news coverage it is. Values are like (normal breaking recent) | |
| comments | The total number of comments received to the article | |
| commentable | 1 indicates the article is comment enabled, where by 0 means commenting is disabled for the article. | |
| author_string | By line of the article | |
| date | Thaana format date string of the article | |
| timestamp | Timestamp of the article | |
| last_updated | Last updated timestamp of the article | |
| article | Body of the article. | |
| advt | Callback url and image file for advertisement. | |
| | link | Callback link for the advertisement |
| | advert | Image file for advertisement |

Comments:

Web View:

Fetching comments for articles is currently limited in API, we are giving away a web view which developers can load for articles.

Authentication: Not required

Request Method: GET

Request URL: [http://api.haveeru.com.mv/comments/webview/\(id\)](http://api.haveeru.com.mv/comments/webview/(id))

Sample URL: <http://api.haveeru.com.mv/comments/webview/126939>

Required Parameters:

| | |
|--------|---|
| id | ID of the article |
| offset | Offset of the comment to load, suppose if loading the second page it will be 20 |

Please see the sample URL for help in building the Request URL.

Response Type: HTML

Anonymous Commenting:

Authentication: Required

Request Method: POST

Request URL: <http://api.haveeru.com.mv/comments/post/anonymous>

Required Parameters:

| | |
|-----------|--|
| app_id | Application ID given by Haveeru Online when application is registered |
| signature | Signature calculated for the data being passed to API |
| nid | Article ID, for which the comment is being posted |
| name | Name of the commenting user |
| comment | Comment text |
| cid | Parent comment ID if replying to an existing comment, if not set this to 0 |

Signature Calculation:

md5(app_id+cid +comment +name+nid+secret)

Response Type: JSON

Response Reasons:

| | |
|----|--|
| 0 | Comment posted successfully |
| 1 | Request type not accepted |
| 2 | App ID required |
| 3 | Signature Required |
| 4 | Article ID required |
| 5 | Invalid Article ID |
| 6 | Invalid App ID |
| 7 | Signature does not match |
| 8 | Invalid Name |
| 9 | Name not available, already registered in Haveeru Online |
| 10 | Invalid parent comment id/ parent comment not found |
| 11 | Error while adding comment to database |
| 12 | Application blocked from api |
| 13 | Name required |
| 14 | Comment required |

Member Commenting:**Authentication:** Required**Request Method:** POST**Request URL:** <http://api.haveeru.com.mv/comments/post/member>**Required Parameters:**

| | |
|-----------|--|
| app_id | Application ID given by Haveeru Online when application is registered |
| device_id | If a mobile application device ID or a reference ID used by developer to group users. For example, if an iOS app UDID. |
| nid | Article ID, for which comment is being posted |
| cid | Parent comment id if replying to a comment, else set this to 0 |
| comment | Comment text |
| user_id | Member ID |
| token | Token of the user |
| signature | Signature calculated for the data being passed to API |

Signature Calculation:

$$\text{md5}(\text{app_id}+\text{c_id}+\text{comment}+\text{device_id}+\text{nid}+\text{token}+\text{user_id}+\text{secret})$$
Response Type: JSON**Response Reasons:**

| | |
|----|---|
| 0 | Comment successfully posted |
| 1 | Invalid request type |
| 2 | Application ID required |
| 3 | Signature required |
| 4 | Device ID required |
| 5 | User ID required |
| 6 | Token required |
| 7 | News ID / Article ID required |
| 8 | Comment required |
| 9 | Invalid User ID / Token Incorrect |
| 10 | User blocked |
| 11 | Parent comment not found |
| 12 | Error while adding comment to database |
| 13 | Invalid App ID |
| 14 | Application blocked from api |
| 15 | Signature does not match |
| 16 | Device blocked to perform the operation |
| 17 | User blocked to perform the operation |

List Galleries:

Authentication: Not Required

Request Method: GET

Request URL: <http://api.haveeru.com.mv/gallery/list>

Response Type: JSON

Request Result:

| | | | |
|---------|---|--|--|
| items | An array of photo galleries, each child having the following properties | | |
| | id | ID of the gallery | |
| | title | Title of the gallery | |
| | description | Description of the gallery | |
| | images | A set of images in various sizes for featured image, currently the following are available | |
| | | mid | A 391pixels wide crop of featured image |
| | | large | A 908 pixels wide crop of featured image |
| date | Timestamp of the gallery | | |
| version | Version number of the feed, checks the Version Checking section of documentation to get more information about this. | | |

View Gallery:**Authentication:** Not required**Request Method:** GET**Request URL:** [http://api.haveeru.com.mv/gallery/view/\(id\)](http://api.haveeru.com.mv/gallery/view/(id))**Sample URL:** <http://api.haveeru.com.mv/gallery/view/4448>**Required Parameters:**

| | |
|----|-------------------|
| id | ID of the gallery |
|----|-------------------|

Please see the Sample URL for help in building the Request URL.

Response Type: JSON**Request Result:**

| | | | | | |
|-----------------------------------|---|-------|----------------------------------|-------|----------------------------|
| An array of images in the gallery | | | | | |
| id | ID of the image | | | | |
| caption | Caption of the image | | | | |
| images | An array with the url of the thumbnail image and data string for image. The child nodes are as follow. <table border="1"><tr><td>thumb</td><td>URL path for the thumbnail image</td></tr><tr><td>large</td><td>Large crop of of the image</td></tr></table> | thumb | URL path for the thumbnail image | large | Large crop of of the image |
| thumb | URL path for the thumbnail image | | | | |
| large | Large crop of of the image | | | | |

Video List:

Authentication: Not required

Request Method: GET

Request URL: <http://api.haveeru.com.mv/video/list>

Response Type: JSON

Request Result:

| | | |
|---------|---|--|
| items | An array of videos, each child having the following properties | |
| | id | ID of the video |
| | title_en | Title of the video in English |
| | description_en | Description of the video in English |
| | title_d | Title of the video in Dhivehi |
| | v_description | Description of the video in Dhivehi |
| | youtube_id | Youtube ID of the video |
| | flash_file | URL to the player of video which could be embedded |
| | thumb | Thumbnail image of the video |
| | date | Timestamp of the video |
| version | Version number of the feed, checks the Version Checking section of documentation to get more information about this. | |

Photo Stream:

Photostream Feed:

Authentication: Device, User (optional)

Request Type: POST

Request URL: <http://api.haveeru.com.mv/photostream/feed>

Required Parameters:

If a user is logged in, then the following parameters need to be passed.

| | |
|-----------|--|
| user_id | User ID |
| token | Token issued by API when the user logged into the application |
| app_id | ID given by Haveeru Online when the application is registered |
| device_id | If a mobile application device ID or a reference ID used by developer to group users. For example, if an iOS app UDID. |

Response Type: JSON

Response Reasons:

| | |
|---|--|
| 0 | Request success, feed will be passed (details of parameters in next table) |
| 1 | Invalid Request Type |
| 2 | App ID Required |
| 3 | Secret Required |
| 4 | Device ID Required |
| 5 | Application registration not found |
| 6 | Application blocked from API |
| 7 | Device blocked from API |
| 8 | Token required |
| 9 | User blocked from API |

Web view:

Authentication: User (optional)

Request Type: POST

Request URL: <http://api.haveeru.com.mv/photostream/webview>

Required Parameters:

If a user is logged in, then the following parameters need to be passed.

| | |
|-----------|--|
| user_id | User ID |
| token | Token issued by API when the user logged into the application |
| app_id | ID given by Haveeru Online when the application is registered |
| device_id | If a mobile application device ID or a reference ID used by developer to group users. For example, if an iOS app UDID. |

Response Type: HTML

Photo Stream Photo Upload:

Authentication: Required

Request Method: POST

Request URL: <http://api.haveeru.com.my/photostream/upload>**Required Parameters:**

| | |
|-----------|--|
| app_id | Application ID given by Haveeru Online when application is registered |
| media | Media file to be uploaded |
| user_id | ID of the logged user |
| token | Token of the logged user |
| name | Title or description of the photo |
| signature | Signature calculated for the data being passed to API |
| device_id | If a mobile application device ID or a reference ID used by developer to group users. For example, if an iOS app UDID. |

Optional Parameters:

| | |
|----------|---|
| location | Location details of where the photo was taken |
|----------|---|

Signature Calculation:

$$\text{md5}(\text{app_id} + \text{device_id} + \text{name} + \text{token} + \text{user_id} + \text{secret})$$
Response Type: JSON**Response Reasons:**

| Response Code | Reason |
|---------------|--|
| 0 | File uploaded, file data will be passed along with the status code 0 |
| 1 | App ID required |
| 2 | Signature required |
| 3 | User ID required |
| 4 | Token required |
| 5 | Name required |
| 6 | Media file required |
| 7 | Invalid App ID |
| 8 | Application blocked from api |
| 9 | Signature does not match |
| 10 | Invalid User ID / Token |
| 11 | Error while uploading file to server, check directories |
| 12 | Error while adding record to database |
| 13 | Uploading file to server failed |
| 14 | Uploading file to server failed – directory not in format |
| 15 | Device ID required |
| 16 | Device blocked to perform operation |
| 17 | User blocked to perform operation |

Photostream Like Photo:

Authentication: Required

Request Method: POST

Request URL: <http://api.haveeru.com.mv/photostream/like>

Required Parameters:

| | |
|-----------|---|
| app_id | Application ID given by Haveeru Online when application is registered |
| secret | Secret given by Haveeru Online for application |
| user_id | ID of the logged in user |
| token | Token of the logged user |
| photo_id | ID of the photo to like |
| device_id | Device ID of the logged in user |
| signature | Signature calculated for the data being passed to API |

Signature Calculation:

md5(app_id+device_id+photo_id+token+user_id+secret)

Response Type: JSON

Response Reasons:

| | |
|----|-----------------------------------|
| 0 | Like success, data will be passed |
| 1 | app_id required |
| 2 | secret required |
| 3 | user_id required |
| 4 | token required |
| 5 | photo_id required |
| 6 | device_id required |
| 7 | signature required |
| 8 | App registration not found |
| 9 | Application Blocked from API |
| 10 | Secret does not match |
| 11 | Device blocked from API |
| 12 | Invalid Token |
| 13 | User not activated |
| 14 | User blocked from API |
| 15 | Photo does not exists or removed |

Splash Feed:**Authentication:** Not required**Request Method:** GET**Request URL:** <http://api.haveeru.com.mv/splashes>**Request URL (iphone5):** <http://api.haveeru.com.mv/splashes/i5>**Response Type:** JSON**Request Result:**

| | |
|---------|---|
| items | An array of images which could be used in the splash screen if you are building a mobile application. |
| version | Version number of the feed |

Version Checking:

Haveeru Online Data API comes with a version checking functionality which is meant to reduce load over API side as well as client side. Feeds with articles, galleries and video listing come with a version number and developers are required to cache this version number at the application level.

Aim of feed versioning is to reduce the overhead at server side by reducing the useless API calls to fetch data, while the data has not been updated. This would as well benefit the user too, by minimizing the bandwidth consumed to load the feeds.

Usage:

Developers are required to cache the version numbers being supplied while fetching data from article, gallery and video listing feeds. Before making the same request to fetch new data, developers are expected to check if there is an update on the feed since then, by comparing the version number on the feed and the version number on the listing versions feed.

This is a highly recommended feature to implement at application level, to avoid application being suspended for making a lot of requests to the API, as well as if you are developing a mobile application.

Authentication: Not required

Request Type: GET

Request URL: <http://api.haveeru.com.mv/versions>

Response Type: JSON

Request Result:

| | | |
|----------|---|---|
| articles | An array with version counter and ID of the most recent article on the feed will be available as follows. | |
| | counter | Version counter |
| | last | ID of the most recent article on the feed |
| gallery | An array with version counter and ID of the most recent gallery on the feed will be available as follows. | |
| | counter | Version counter |
| | last | ID of the most recent gallery on the feed |
| video | An array with version counter and ID of the most recent video on the feed will be available as follows. | |
| | counter | Version counter |
| | last | ID of the most recent video on the feed |
| splash | version number of the splash feed | |