

2018

Consuming HiWhats API Reference

TECHNICAL GUIDE
HIWHAT DEVELOPMENT TEAM

HIWHATS.COM (C) | KSA, Riyadh

REFERENCE FOR USING
HIWHATS.COM API

CONTENTS

List of API's functions	2
Sending a single message:	3
Request Information	3
Header information:.....	3
Body information:	3
Response Information.....	4
Balance query:	5
Header information:	5
Body information:	5
Response Information.....	5
Request Token for authentication:	6
Request Information	6
Header information:.....	6
Body information:	6
Response Information.....	6
Change password:	8
Request Information	8
Header information:.....	8
Body information:	8
Request Information	8
Response Information.....	8

LIST OF API'S FUNCTIONS

- Sending a single message
- Balance query
- Request Token for authentication
- Change password

SENDING A SINGLE MESSAGE:

URI: <http://api.hiwhats.net/api/MsgApiQueue/SingleMsg>

REQUEST INFORMATION

HEADER INFORMATION:

Request type: POST

Content-Type: {application/json}

Authentication: Bearer [TOKENKEY]

Body information:

APPLICATION/JSON

```
{
  "SenderId": "info@example.com",
  "RecipientNo": "9665123456789",
  "SourceNo": "9665987654321",
  "MsgBody": "Hi this is a test for hiWhats API message"
}
```

MESSAGE BODY PARAMETERS

Name	Description	Type	Example
SenderId	Your account's username	string	info@email.com
RecipientNo	Recipient Phone Number	string	96655123456789
SourceNo	The sender's Phone Number	string	9665987654321
MsgBody	Message text	string	Hi there

RESPONSE INFORMATION

HTTP/1.1 200 OK

Content-type: application/json

...

```
{"Message" : "You have enqueued 1 message to be sent"}
```

HTTP/1.1 406 Not Acceptable

Content-type: application/json

...

```
{"Message" : "NO Balance"}
```

BALANCE QUERY:

URI: <http://api.hiwhats.net/api/Balance/GetBalance>

HEADER INFORMATION:

Request type: GET

Content-Type: {application/json}

Authentication: Bearer [TOKENKEY]

Body information:

NONE

RESPONSE INFORMATION

Response type: {string}

```
"129#11/25/2019 12:00:00 AM#"
```

FURTHER EXPLANATION:

"129#11/25/2018 12:00:00 AM#"

"NUMBER OF MESSAGES LEFT IN YOUR BALANCE"

"# SIGN SIGNIFIES DATA DELIMITER"

"END OF DATE FOR YOUR CURRENT BALANCE"

REQUEST TOKEN FOR AUTHENTICATION:

URI: <http://api.hiwhats.net/token>

REQUEST INFORMATION

HEADER INFORMATION:

Request type: POST

Content-Type: NONE

Body information:

```
username=username@example.com&password=P@ssw0rd&grant_type=password
```

FURTHER EXPLANATION:

```
username=username@example.com&password=P@ssw0rd&grant_type=password
```

“Provided by our system”

“Provided by our system”

RESPONSE INFORMATION

```
{
  "token_type": "bearer",
  "issued": "10 Nov 2018 22:27:02 GMT",
  "expires": "24 Nov 2018 10:27:02 GMT",
  "expires_in": "1209599",
  "username": "username@example.com",
  "access_token": "BC265iPDqFtz6N-pP3W8Oad2jGOnbNeeSlgg0YZEwd_uOjjyr9ovDs4fdQkj
Ykr8BGcjBBZLlntGs4j2R77D4pLzG4NLOP7VQq6eRo_vn9XRI2ikw0YbEUx0tAS6zyENBzn_zyGm_
UZ0yrSJ_idj4aubyM_Y9pmS_kplxGbmTn1JTxyHdnULZqrDADWYK2smRyZodqi1ND_kCiZIDUChYC
bNdiThBgBMfi-8QYsgE0J8_sff3phF1TyotMZRutBvF35ZPQshR6BRRMzSo7aHGMinNaf0GavJbmY
LvtN03LLFBSxoqAVs2Jwmgh-16vSCFR7JAOKhW6VXvQt6bWCCwVmPe58-_rXek5iWwdybBqixq9jU
pXNbJ0g2tKjYcnfhndUY9HPY-Gxw-cnW0E0WmPwa_1jouncMW48oe27LD2qrpXOnltgVnPHR6FrXu
POo4trdK5Wm0UjgEXL1Yo91jkeqp0Agp80TzSiIEytyk0JhmmQg6_PcmUkSbkWkrSf7"
}
```

FURTHER EXPLANATION:

```
{  
  "token_type": "bearer",  
  "issued": "10 Nov 2018 22:27:02 GMT",  
  "expires": "24 Nov 2018 10:27:02 GMT",  
  "expires_in": "1209599",  
  "username": "username@example.com",  
  "access_token": "BC265iPDqFtz6N-pP3W8Oad2jGOnbN-eeSlgg0YZEwd_u-Ojjyr9ovDs4f-dQk-  
jYkr8BGcjBBZLlnTGs4j2R77D4pLzG4NLOP7VQq6eRo_vn9XRI2ikw0YbEUx0tAS6zyENBzn_zyGm_UZ0yrS  
J_idj4aubym_Y9pmS_kplxGbmTn1JTxyHdnULZqrDADWYK2smRyZodqi1ND_kCiZIDUChYCbNdiThBg  
BMfi-8QYsgE0J8_sff3phFITyovMZrUtBvF35ZPQshR6BRRMzSo7aHGM-  
iNnAF0GavJbmYLvtnO3LLFBSxoqAVs2Jwmgh-16vSCFR7JAOKhW6VXvQt6bWCCwVmPe58-  
_rXek5iWwdybBqixq9jUpXNbJOg2tKjYcnfhndUY9HPY-Gxw-  
cnW0E0WmPwa_ljouncmW48oe27LD2qrpxOnltgVnPHR6FrXuPOo4trdK5Wm0UjgEXL1Yo91jkeqp0  
Agp80TzSiiEytyk0JhmmQg6_PCmUkSbkWkrSf7"  
}
```

LEGEND

"The access token string which you have to use in your request header"

"Type of access token"

"Issuance date and expiration"

"Expiration in seconds"

CHANGE PASSWORD:

URI: <http://api.hiwhats.net/api/account/changepassword>

REQUEST INFORMATION

HEADER INFORMATION:

Request type: POST

Content-Type: {application/json}

Body information:

REQUEST INFORMATION

```
{
  "OldPassword": "P@ssw0rd",
  "NewPassword": "NewP@ssw0rd",
  "ConfirmPassword": "NewP@ssw0rd"
}
```

RESPONSE INFORMATION

Response type:

```
HTTP/1.1 200 OK
```

```
...
```

OR

```
HTTP/1.1 400 Bad Request
```

```
...
```

```
{
  "Message": "The request is invalid.",
  "ModelState":
  {
    "": ["Incorrect password."]
  }
}
```

```
}  
}
```

Response code	Message	Explanation/Solution
200 OK	Returns token information	
400 Bad Request	The user name or password is incorrect	Make sure that you entered the correct credentials
400 Bad Request	Unsupported_grant_Type	Double check POST body
401 Unauthorized	Authorization has been denied for this request	Expired Token – acquire a new token.
404 Not Found	No HTTP resource was found that matches the request URI 'http://example.com/api/control/get.' "MessageDetail": "No action was found on the controller "control" that matches the request	Double check the URI
406 Not Acceptable	No Balance	You do not have enough messages balance to execute this request
415 Unsupported Media Type	The request contains an entity body but no Content-Type header	Include "Content-type" in the header
500 Internal Server Error	The server encountered an unexpected condition which prevented it from fulfilling the request.	Contact hiWhats support
503 Service Unavailable	The server is currently unable to handle the request due to a temporary overloading or maintenance of the server.	Contact hiWhats support

HTTP/1.1 400 Bad Request

...

```
{  
  "Message": "The request is invalid.",  
  "ModelState":  
    {  
      "": ["Incorrect password."]   
    }  
}
```