

OTP API Specifications

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Document Information and Version History

Document Information

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| Document Name | OTP API Specifications |
| Document Description | This document describes the parameters and responses used to send and verify one-time-password (OTP) messages. |
| Creation Date | December 07, 2016 |
| Initial Version | 1.0.0 |
| Author | Jyotsna |

Document Change Log

| Modification Date | Version Number | Change Summary | Author |
|-------------------|----------------|-------------------------------------------------|---------------------|
| January 12, 2018 | 1.0.1 | Reformatted and reviewed document for language. | Hrudeep Goregaonkar |
| November 26, 2019 | 2.0 | Reviewed – No changes | Hrudeep Goregaonkar |

Document Approval Log

| Approval Date | Approver | Designation |
|-------------------|----------------|------------------|
| February 13, 2018 | Sachin Kanojia | Head – Support |
| November 26, 2019 | Ramesh Helaiya | AVP - Technology |

OTP API

- The below URL shows the API used to send an OTP message.

<http://<ipaddress>:<port>/OtpApi/otpgenerate?username=XXXX&password=XXXX&msisdn=XXXXXXXXXXXXX&msg=XXXXX&source=XXXX&otplen=XX&tagname=XXX&exptime=XXX>

| Request Parameters | | |
|--------------------|-----------|-------------------------------------------------------------------------------------------------------------------|
| Sr. No. | Parameter | Description |
| 1 | username | Name of the user. |
| 2 | password | Password of the user. |
| 3 | msisdn | Mobile number to which OTP has to be sent. |
| 4 | exptime | OTP validity time in seconds. |
| 5 | msg | Message template with %m escape character which will be replaced by generated OTP. Message has to be URL encoded. |
| 6 | source | Sender assigned for user. |
| 7 | otplen | Length of the OTP. |
| 8 | tagname | Identifier name for given batch (optional). |

| Response | | |
|----------|-----------------------|--------------------------------------------------------|
| Sr. No. | Error Code | Description |
| 1 | 1701 MSISDN:MessageID | Message sent successfully. |
| 2 | 1702 | One of the parameter is missing or OTP is not numeric. |
| 3 | 1703 | Authentication failed. |
| 4 | 1706 | Invalid destination. |
| 5 | 1705 | Message does not contain %m. |
| 6 | 1707 | Invalid source. |
| 7 | 1710 | Some error occurred. |
| 8 | 1715 | Response time out. |
| 9 | 1025 | Insufficient user credit. |
| 10 | 1032 | DND destination. |
| 11 | 1033 | Source template mismatch. |
| 12 | 1035 | User opt out. |
| 13 | 1042 | Explicit DND reject. |

- The below URL shows the API used to validate the received OTP.

<http://<ipaddress>:<port>/OtpApi/checkotp?username=XXXXXX&password=XXXXXX&msisdn=XXXXXX&otp=XXXX>

| Request Parameters | | |
|--------------------|-----------|------------------------------------------|
| Sr. No. | Parameter | Description |
| 1 | username | Name of the user. |
| 2 | password | Password of the user. |
| 3 | msisdn | Mobile number to which the OTP was sent. |
| 4 | otp | Received OTP which needs to be verified. |

| Response | | |
|----------|------------|-----------------------------------------------------|
| Sr. No. | Error Code | Description |
| 1 | 101 | OTP validated successfully. |
| 2 | 102 | OTP has expired. |
| 3 | 103 | Entry for OTP not found. |
| 4 | 104 | MSISDN not found. |
| 5 | 1702 | One of the parameter missing or OTP is not numeric. |
| 6 | 1703 | Authentication failed. |
| 7 | 1706 | Given destination is invalid. |