1. **Message API**
2. **GET**
   * Request

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| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **GET** | api/message | | |
| Type | Params | Values | Description |
| HEADER | **Accept-Language** | string  (**en-US**) | Language which message sent from server will be formatted.   * Default : **en-US** |
| HEADER | **Email** | string | Email of account.   * **Max length: 64.** * **Regex :** ^\w+([-+.']\w+)[\*@\w+([-.]\w+)\*\.\w+([-.]\w+)\*$](mailto:*@\w+(%5b-.%5d\w+)*\.\w+(%5b-.%5d\w+)*$) * **Required** |
| HEADER | **Password** | string | Password of account.   * **Required.** * **Min length : 8** * **Max length : 16** * **Only alphanumeric is supported.** |
| URL | **Id** | int | Id of message   * **Required** |

* + Response

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| --- | --- |
| Status | Content |
| **200** | {  "Message": {  "Id": 0,  "Broadcaster": 0,  "Recipient": 0,  "Content": 0,  "Created": 0,  "IsSeen": 0  }  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **404**  Country with the given id cannot be found. | {  "Error": "W006"  } |
| **500**  Something wrong with server. | {  "Error": "W021"  } |

1. **Create**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/message | | |
| Type | Params | Values | Description |
| HEADER | **Accept-Language** | string  (**en-US**) | Language which message sent from server will be formatted.   * Default : **en-US** |
| HEADER | **Email** | string | Email of account.   * **Max length: 64.** * **Regex :** ^\w+([-+.']\w+)[\*@\w+([-.]\w+)\*\.\w+([-.]\w+)\*$](mailto:*@\w+(%5b-.%5d\w+)*\.\w+(%5b-.%5d\w+)*$) * **Required** |
| HEADER | **Password** | string | Password of account.   * **Required.** * **Min length : 8** * **Max length : 16** * **Only alphanumeric is supported.** |
| BODY | **Recipient** | int | Id of person who should receive the message   * **Required** |
| BODY | **Content** | string | Content of message   * **Required** * **Max length : 512** |

* + Response

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| --- | --- |
| Status | Content |
| **200** | {  "Message": {  "Id": 0,  "Broadcaster": 0,  "Recipient": 0,  "Content": 0,  "Created": 0,  "IsSeen": 0  }  } |
| **400**  Reques parameters are invalid. | {  "Errors": ["","",""]  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **404**  Country with the given id cannot be found. | {  "Error": "W006"  } |
| **500**  Something wrong with server. | {  "Error": "W021"  } |

1. **Filter**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/message/filter | | |
| Type | Params | Values | Description |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| HEADER | **Accept-Language** | string  (**en-US**) | Language which message sent from server will be formatted.   * Default : **en-US** |
| BODY | **Partner** | int | Who is included in message (Sender/Recipient)   * **Optional** |
| BODY | **Mode** | int | Whether requester is the owner of message or the broadcaster   * **0 : Broadcaster** * **1 : Recipient** * **Null : Requester takes part in the message. (default)** |
| BODY | **MinCreated** | double | Time after which message was lastly created.   * **Optional** * **<= MaxCreated** |
| BODY | **MaxCreated** | double | Time before which message had been lastly created.   * **Optional** * **>= MinCreated** |
| BODY | **IsSeen** | bool | Whether message is seen or not.   * **True : message has been seen** * **False : message hasn’t been seen. It should be displayed on notification board.** * **Null : Filter all message (default)** |
| BODY | **Direction** | int | Whether messages are sorted ascendingly or decendingly.   * **0 : Ascending** * **1 : Decending** |
| BODY | **Sort** |  | Which property is used for sorting.   * **0 : Created (default)** * **1 : Seen** |
| BODY | **Direction** | int | Whether records should be sorted ascendingly or decendingly.   * **0** : Ascending (default) * **1** : Decending |
| BODY | **Page** | int | Index of result page.   * **Min**: 0 * **Default**: 0 |
| BODY | **Records** | int | Number of records a page   * **Min**: 1 * **Max**: 20 **(default)** |

* + Response

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| --- | --- |
| Status | Content |
| **200** | {  "Messages": [  {  "Id": 0,  "Broadcaster": 0,  "Recipient": 0,  "Content": 0,  "Created": 0,  "IsSeen": 0  }  ],  "Total": 0  } |
| **400**  Request parameters are invalid. | {  "Errors": ["","",""]  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **500**  Something is wrong with server | {  "Error": "W021"  } |

1. **Make messages be seen**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/message/seen | | |
| Type | Params | Values | Description |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| HEADER | **Accept-Language** | string  (**en-US**) | Language which message sent from server will be formatted.   * Default : **en-US** |
| BODY | **Partner** | int | Who is included in message (Sender/Recipient)   * **Optional** |
| BODY | **MinCreated** | double | Time after which message was lastly created.   * **Optional** * **<= MaxCreated** |
| BODY | **MaxCreated** | double | Time before which message had been lastly created.   * **Optional** * **>= MinCreated** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** |  |
| **400**  Request parameters are invalid. | {  "Errors": ["","",""]  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **500**  Something is wrong with server | {  "Error": "W021"  } |