

4.26 Messaging Service

Messaging Service

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Messaging Service

Create a new message for an user

URL / Resource / JSON Structure

Resource: messages

URL: <https://api-stage.bimplus.net/v2/messages>

Example: <https://api-stage.bimplus.net/v2/messages>

JSON Structure:

Name	Mandatory / Optional	Type	Description
id	will be ignored	string	Id of the message
receiver	mandatory	object	receiver user object (contains id & email). When 'Id' is user id, must be defined also 'email' string property with email address of the user. Email will be sent only to this address. When 'Id' is group id, email will be sent to all users which belongs to this group.
sender	optional	object	sender user object (contains id & email)
id	mandatory	string (guid)	id of the user
email	mandatory	string	email id of the user
source	mandatory	string	Source of the message (eg: Import Service)
topic	mandatory	string	Topic of the message
severity	mandatory	object	Severity can be Info, Warning, Error
returnCode	mandatory	string	Readable return code
timestamp	will be ignored	string	Creation date of the message
unreadEmail	optional	boolean	When 'unreadEmail' is missing the default value is true. If set to true or default, the message will be marked as an email (yet unread), and sent via email service. If it is set as false the message will be marked as a "read" (collect) email.
unreadBrowserNotification	optional	boolean	When 'unreadBrowserNotification' is missing the default value is true. If set to true or default, the message will be marked as browser notification (yet unread) and send to the Bimplus portal as popup message. If it is set as false the message will be marked as a "read" (collect) browser notification.
additionalData	optional	string	Extra info
correlationId	optional	guid	Id of the other related message

HTTP Method

POST

Description

Create a new message for an user or group of users.
When message is created as 'read' (i.e. unreadBrowserNotification or unreadEmail is set to false), such messages are not sent immediatelly but only collected in server.

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json
JSON
<pre>{ "sender": { "id": "1110ac3b-fa49-e540-ac2f-8caff3dd72ed" }, "receiver": { "id": "1e2223b-fa49-e540-ac2f-8caff3dd72ed" }, "source": "ServiceName", "topic": "SKETCHUP_JOB", "severity": "Warn", "returncode": "FILE_T00_BIG", "unreadBrowserNotification": true }</pre>

Response

Status
Status: 201 Created
JSON
<pre>{ "id": "4633d522-53aa-4d81-90b4-704681e0573d", "sender": { "id": "1110ac3b-fa49-e540-ac2f-8caff3dd72ed", "email": "customer1@bimplus.net" }, "receiver": { "id": "1e2223b-fa49-e540-ac2f-8caff3dd72ed", "email": "customer2@bimplus.net" }, "source": "ServiceName", "topic": "SKETCHUP_JOB", "severity": "Warn", "returncode": "FILE_T00_BIG", "unreadBrowserNotification": true, "timestamp": "2013-11-15T10:55:53" }</pre>

Get the message list of the current user

URL / Resource / JSON Structure

Resource: user/<user_id>/messages

URL: https://api-stage.bimplus.net/v2/user/<user_id>/messages

Example: <https://api-stage.bimplus.net/v2/user/123456789/messages>

HTTP Method

GET

Description

Gets the message list of the current user

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

Response

Status
Status: 200 OK

JSON
[{ "id": "481713d6-7dab-410c-8c8a-d65ff1d4a766", "sender": { "id": "1110ac3b-fa49-e540-ac2f-8caff3dd72ed", "email": "customer1@bimplus.net" }, "receiver": { "id": "1e2223b-fa49-e540-ac2f-8caff3dd72ed", "email": "customer2@bimplus.net" }, "source": "ServiceName2", "topic": "SKETCHUP_JOB", "severity": "Info", "returncode": "FILE_T00_BIG", "timestamp": "2013-11-18T14:55:22", "unreadBrowserNotification": false, "unreadEmail": false, "additionaldata": null, "correlationid": null }, { "id": "93c29c5d-1391-4ae8-8876-ef9815e60f7d", "sender": { "id": "1110ac3b-fa49-e540-ac2f-8caff3dd72ed", "email": "customer1@bimplus.net" }, "receiver": { "id": "1e2223b-fa49-e540-ac2f-8caff3dd72ed", "email": "customer2@bimplus.net" }, "source": "ServiceName", "topic": "IFC_JOB", "severity": "Info", "returncode": "OK", "timestamp": "2013-11-18T14:30:53", "unreadBrowserNotification": true, "unreadEmail": false, "additionaldata": null, "correlationid": null }]

Get information about a specified message

URL / Resource / JSON Structure

Resource: messages

URL: https://api-stage.bimplus.net/v2/messages/<message_id>

Example: https://api-stage.bimplus.net/v2/messages/<message_id>

HTTP Method

GET

Description

Get information about a specified message

Request

Headers

Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088
Content-Type: application/json

Response

Status

Status: 200 OK

JSON

```
{
  "id": "93c29c5d-1391-4ae8-8876-ef9815e60f7d",
  "sender": {
    "id": "1110ac3b-fa49-e540-ac2f-8caff3dd72ed",
    "email": "customer1@bimplus.net"
  },
  "receiver": {
    "id": "1e2223b-fa49-e540-ac2f-8caff3dd72ed",
    "email": "customer2@bimplus.net"
  },
  "source": "ServiceName",
  "topic": "IFC_JOB",
  "severity": "Info",
  "returncode": "OK",
  "timestamp": "2013-11-18T14:30:53",
  "unreadBrowserNotification": true,
  "unreadEmail": false,
  "additionaldata": null,
  "correlationid": null
}
```

Modify contents of the dashboard messages

URL / Resource / JSON Structure

Resource: messages/<message_id>/updatedashboardadditionaldata

URL: https://api-stage.bimplus.net/v2/messages/<message_id>/updatedashboardadditionaldata

Example: <https://api-stage.bimplus.net/v2/messages/b8615afc-99cc-4bcd-b0ca-ff0593ce15c6/updatedashboardadditionaldata>

JSON Structure:

Name	Mandatory / Optional	Type	Description
additionalData	mandatory	object	The content of the message

JSON Structure of the object additionalData

Name	Mandatory / Optional	Type	Description
title	mandatory	string	Title of the message
content	mandatory	string	Message text content
imageBase64	optional	string	
pictureLink	optional	string	
messageLink	optional	string	

HTTP Method

PUT

Description

Update the content of the dashboard message or the contents of the grouped dashboard messages by given posting.

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

JSON
<pre>{ "additionalData":{ "title":"Anothermessage", "content":"Loremipsumdolorsitamet,consetetursadipscingelitr", "imageBase64":null, "pictureLink":"http://blog.bimplus.net/wp-content/uploads/2014/08/bim-manager-300x222.png", "messageLink":"" } }</pre>

Response

Status
Status: 200 OK

Delete the specified message

URL / Resource / JSON Structure

Resource: messages/<message_id>

URL: https://api-stage.bimplus.net/v2/messages/<message_id>

Example: https://api-stage.bimplus.net/v2/messages/<message_id>

HTTP Method

DELETE

Description

Delete the specified message or group of messages by given posting.

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

Response

Status
Status: 200 OK

Mark a browser message as "read"

URL / Resource / JSON Structure

Resource: messages/<message_id>/markasreadbrowser

URL: https://api-stage.bimplus.net/v2/messages/<message_id>/markasreadbrowser

Example: https://api-stage.bimplus.net/v2/messages/<message_id>/markasreadbrowser

HTTP Method

POST

Description

Mark a message or group of messages by given posting as read by browser.

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

Response

Status
Status: 200 OK

Mark a browser message as "unread"

URL / Resource / JSON Structure

Resource: messages/<message_id>/markasunreadbrowser

URL: https://api-stage.bimplus.net/v2/messages/<message_id>/markasunreadbrowser

Example: https://api-stage.bimplus.net/v2/messages/<message_id>/markasunreadbrowser

HTTP Method

POST

Description

Mark a message or group of messages by given posting as unread by browser.

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

Response

Status
Status: 200 OK

Mark an email message as "unread"

URL / Resource / JSON Structure

Resource: messages/<message_id>/markasunreademail

URL: https://api-stage.bimplus.net/v2/messages/<message_id>/markasunreademail

Example: https://api-stage.bimplus.net/v2/messages/<message_id>/markasunreademail

HTTP Method

POST

Description

Mark an email message as unread.

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

Response

Status
Status: 200 OK

Filter the messages (eg: Get all the unread messages from a particular user)

URL / Resource / JSON Structure

Resource: messages?filter=<property><operator><value>%26<property><operator><value>%26....

URL: <https://api-stage.bimplus.net/v2/messages?filter=unread=true%26receiver.email=customer@bimplus.net%26source=IssueService>

Example: <https://api-stage.bimplus.net/v2/messages?filter=unread=true%26receiver.email=customer@bimplus.net%26source=IssueService>

where "%26" is the escape character for "&"

HTTP Method

GET

Description

Get information about a specified message

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

Response

Status
Status: 200 OK

JSON

```
[
  {
    "id": "44ad058b-1f76-4343-bafa-031eb462215c",
    "receiver": {
      "id": "71e0ac3b-fa49-e540-ac2f-8caff3dd72ed",
      "email": "customer@bimplus.net"
    },
    "sender": {
      "id": "71e0ac3b-fa49-e540-ac2f-8caff3dd72ed",
      "email": "testuser1@bimplus.net"
    },
    "source": "IssueService",
    "topic": "ISSUE_DELETED",
    "severity": "Info",
    "returnCode": "ISSUE_DELETED",
    "timestamp": "2014-05-09T09:54:17",
    "unreadBrowserNotification": true,
    "unreadEmail": false,
    "correlationId": null
  },
  {
    "id": "0a4c8eab-26af-49ce-9191-049a141ba762",
    "receiver": {
      "id": "71e0ac3b-fa49-e540-ac2f-8caff3dd72ed",
      "email": "customer@bimplus.net"
    },
    "sender": {
      "id": "71e0ac3b-fa49-e540-ac2f-8caff3dd72ed",
      "email": "testuser1@bimplus.net"
    },
    "source": "IssueService",
    "topic": "ISSUE_UPDATED",
    "severity": "Info",
    "returnCode": "ISSUE_UPDATED",
    "timestamp": "2014-04-08T08:54:41",
    "unreadBrowserNotification": false,
    "unreadEmail": false,
    "correlationId": "de96f4ae-79fd-4d83-99e9-07cec7a80906"
  },
  {
    "id": "ffd50096-fb82-4029-8d49-06a04e31f02a",
    "receiver": {
      "id": "71e0ac3b-fa49-e540-ac2f-8caff3dd72ed",
      "email": "customer@bimplus.net"
    },
    "sender": {
      "id": "71e0ac3b-fa49-e540-ac2f-8caff3dd72ed",
      "email": "testuser2@bimplus.net"
    },
    "source": "IssueService",
    "topic": "ISSUE_DELETED",
    "severity": "Info",
    "returnCode": "ISSUE_DELETED",
    "timestamp": "2014-05-09T09:54:27",
    "unreadBrowserNotification": false,
    "unreadEmail": true,
    "correlationId": null
  }
]
```

Get all messages sent by given user to all single users

URL / Resource / JSON Structure

Resource: user/<user_id>/messages/sent

URL: https://api-stage.bimplus.net/v2/user/<user_id>/messages/sent

Example: <https://api-stage.bimplus.net/v2/user/1110ac3b-fa49-e540-ac2f-8caff3dd72ed/messages/sent>

HTTP Method

GET

Description

Gets the list of all messages sent from user (user_id) to all single users

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

Response

Status
Status: 200 OK

JSON

```
[{
  "id": "481713d6-7dab-410c-8c8a-d65ff1d4a766",
  "sender": {
    "id": "1110ac3b-fa49-e540-ac2f-8caff3dd72ed",
    "email": "customer1@bimplus.net"
  },
  "receiver": {
    "id": "1e2223b-fa49-e540-ac2f-8caff3dd72ed",
    "email": "customer2@bimplus.net"
  },
  "source": "ServiceName2",
  "topic": "SKETCHUP_JOB",
  "severity": "Info",
  "returncode": "FILE_T00_BIG",
  "timestamp": "2013-11-18T14:55:22",
  "unreadBrowserNotification": false,
  "unreadEmail": false,
  "additionaldata": null,
  "correlationid": null
},
{
  "id": "93c29c5d-1391-4ae8-8876-ef9815e60f7d",
  "sender": {
    "id": "1110ac3b-fa49-e540-ac2f-8caff3dd72ed",
    "email": "customer1@bimplus.net"
  },
  "receiver": {
    "id": "1e2223b-fa49-e540-ac2f-8caff3dd72ed",
    "email": "customer2@bimplus.net"
  },
  "source": "ServiceName",
  "topic": "IFC_JOB",
  "severity": "Info",
  "returncode": "OK",
  "timestamp": "2013-11-18T14:30:53",
  "unreadBrowserNotification": true,
  "unreadEmail": false,
  "additionaldata": null,
  "correlationid": null
}
]
```

Get all messages sent by given user to all groups

URL / Resource / JSON Structure

Resource: user/<user_id>/messages/groupsent

URL: https://api-stage.bimplus.net/v2/user/<user_id>/messages/groupsent

Example: <https://api-stage.bimplus.net/v2/user/1110ac3b-fa49-e540-ac2f-8caff3dd72ed/messages/groupsent>

HTTP Method

GET

Description

Gets the list of all messages sent from user (user_id) to all users groups

Request

Headers

Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088
Content-Type: application/json

Response

Status

Status: 200 OK

JSON

```
[{
  "id": "481713d6-7dab-410c-8c8a-d65ff1d4a766",
  "sender": {
    "id": "1110ac3b-fa49-e540-ac2f-8caff3dd72ed",
    "email": "customer1@bimplus.net"
  },
  "group": {
    "id": "1e2223b-fa49-e540-ac2f-8caff3dd72ed",
    "name": "Users from Italy",
    "description": "Group of users from Italy"
  },
  "source": "DashboardAnnouncement",
  "topic": "DASHBOARD",
  "severity": "Info",
  "returncode": "FILE_TOO_BIG",
  "timestamp": "2013-11-18T14:55:22",
  "unreadBrowserNotification": false,
  "unreadEmail": false,
  "additionalData": "{ Test message to group Italy}",
  "correlationid": null
},
{
  "id": "8757d4c6-477b-419e-b0e2-52cbb9e1b1a8",
  "sender": {
    "id": "1110ac3b-fa49-e540-ac2f-8caff3dd72ed",
    "email": "customer1@bimplus.net"
  },
  "group": {
    "id": "594bbc5d-1949-4d74-84d3-B966a42c68A1",
    "name": "Users from France",
    "description": "Group of users from France"
  },
  "source": "DashboardNews",
  "topic": "DASHBOARD",
  "severity": "Info",
  "returncode": "OK",
  "timestamp": "2013-11-18T14:30:53",
  "unreadBrowserNotification": true,
  "unreadEmail": false,
  "additionalData": "{ Test message to group France}",
  "correlationid": null
}
]
```

[Get all messaging groups](#)

URL / Resource / JSON Structure

Resource: systemgroups

URL: <https://api-stage.bimplus.net/v2/systemgroups>

Example: <https://api-stage.bimplus.net/v2/systemgroups>

HTTP Method

GET

Description

Gets all existing messaging groups.

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

Response

Status
Status: 200 OK

JSON
<pre>[{ "systemGroup": { "id": "9c3c8a6c-67b5-406f-a44c-0dca6eb3c031", "name": "Users from Munich", "description": "Group of users from Munich area" }, "usersIdList": ["6ae90098-5b01-4141-8ef5-0079ae6c1c04", "9d32f46b-157f-dfee-a5d7-0162543dc304", "a33e89a2-b5fc-408a-b4ec-01fb593e2b1d"] }, { "systemGroup": { "id": "242fab5a-fce6-4413-900b-5f5b6ca2a414", "name": "Users from Paris", "description": "Group of users from Paris" }, "usersIdList": ["61c9c325-52a2-21b5-47b6-0a06e7152ff9", "6be10633-5950-319f-eae0-12dec2c04219", "2e798f29-4b71-15ee-90eb-18592bc18317"] }]</pre>

Get the messaging group details

URL / Resource / JSON Structure

Resource: systemgroups/<messaginggroup_id>

URL: <https://api-stage.bimplus.net/v2/> systemgroups/<messaginggroup_id>

Example: <https://api-stage.bimplus.net/v2/systemgroups/242fab5a-fce6-4413-900b-5f5b6ca2a414>

HTTP Method

GET

Description

Get details of a specified messaging group. Description of returned json in [Create a new messaging group](#).

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

Response

Status
Status: 200 OK

JSON
<pre>{ "systemGroup": { "id": "242fab5a-fce6-4413-900b-5f5b6ca2a414", "name": "Bimplusdevelopers", "description": "" }, "usersIdList": ["61c9c325-52a2-21b5-47b6-0a06e7152ff9", "6be10633-5950-319f-eae0-12dec2c04219", "3b638075-24cd-cb2b-5464-fa955d2bd1e0"] }</pre>