

Events with acknowledgement

| Event Name | Response | Error1 | Error2 |
|------------------|-----------------------|----------------------------|-----------------------|
| get | Chat history: object | No history found: string | Invalid request |
| chat_overview | Chat overview: object | No overview found: string | Error message: string |
| resolve_username | userId: string | Username not found: string | Invalid input: string |

Events without acknowledgement

| Event name | Response event | Response | Error |
|------------|----------------------|---|---|
| Connect | Connection_report | successfully connected with a valid token: string | authentication error: invalid token: string |
| Post | Message_format_error | - | - |

Event listened by the client: chat_message

| Event name | Body |
|--------------|-----------------|
| Chat_message | Message: object |

| Object name | description |
|---------------|---|
| Chat history | <pre>{ "ChatHistroy": { "type": "object", "required": ["users", "history"], "properties": { "users": { "type": "array", "items": { "User" } }, "history": { "type": "array", "items": { "MessageToSave" } } } } }</pre> |
| Chat overview | <pre>{ "ChatOverview": { "type": "array", "items": { "type": "object", "properties": { "username": {</pre> |

| | |
|---------------|---|
| | <pre> "type": "string" }, "userId": { "type": "string" }, "lastMessage": { "type": "string" }, "date": { "type": "string", "format": "date-time" } } } </pre> |
| Message | <pre> { "Message": { "type": "object", "required": ["senderId", "receiverId", "message", "date"], "properties": { "senderId": { "type": "string" }, "receiverId": { "type": "string" }, "message": { "type": "string" }, "date": { "type": "string", "format": "date-time" } } } } </pre> |
| | <pre> { "User": { "type": "object", "required": ["userId", "id"], "properties": { "userId": { "type": "string" }, "id": { "type": "number" } } } } </pre> |
| MessageToSave | <pre> { "MessageToSave": { "type": "object", "required": ["senderPos", </pre> |

| | |
|--|---|
| | <pre> "timeAndData", "message"], "properties": { "senderPos": { "type": "number" }, "timeAndData": { "format": "date-time" }, "message": { "type": "string" } } }</pre> |
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