Room Manager Rest API

**Content**

* [Instructions to use the authorization token](#a)
* [Authorization definitions](#b)
* REST API Routes
  + [PGP public key routes](#c)
  + [APK routes](#d)
  + [Service Type route](#e)
  + [Resource routes](#f)
  + [Service routes](#g)
  + [Room routes](#h)
  + [Room Resources routes](#i)
  + [Meeting routes](#j)
  + [Out of Order routes](#k)
  + [Out of Order by Room routes](#l)
  + [Attendees route](#m)
  + [Location routes](#n)

**Instructions to use the authorization token**

**Request to obtain a token**

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| **endpoint** |
| /login |

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| **method:** |
| POST |

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| **headers:** |
| Content-Type: application/json |

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| **body:** |
| {    "username": "domain\\user",    "password": "password",    "authentication": "ldap"  }  //or  {    "username": " user",    "password": "password",    "authentication": "local"  } |

“At this moment is needed to specify the kind of account (ldap or local) in the authentication field, this field will be deprecated in a next enhancement”

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| **Expected response:** |
| {    "token": "eyJ0....pkz7JWPIyLQ",    "createdAt": "2015-08-05T21:42:42.912Z",    "username": domain\\user",    "expiration": "2015-08-06T03:42:42.922Z"  } |

**Using the authorization token in other endpoints**

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| **headers:** |
| Authorization: jwt eyJ0....pkz7JWPIyLQ |

“On the authorization header is needed to specify the jwt, one space, and the token”

**REST API Documentation**

**Required headers**

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| **For all endpoints or routes:** |
| Content-Type: application/json |

**Authorization Definitions:**

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| **BASIC** |
| Authorization: Basic <base64(username:password)> |
| ***Example:***  Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQ= |
| ***How to create:***  *The user name and password should be separated by a colon without spaces, e.g.* ***username:password***  *After that this text chain should be encoded with base64, notepad++ already has a utility to do that (Plugins > MIME Tools > Base64 Encode)* |
| ***Where to use:***  *On operations over routes that has been specified with this authorization, usually meeting routes, is needed to provide the account of an user that has an exchange’s mailbox to authorize the operations of create, update and delete meetings* |

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| **JWT** |
| ***Additional Request HTTP Header:***  Authorization: **jwt** <some\_token> |
| ***Example:***  Authorization: **jwt** eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ8.eyJ1aWQiOiJlcmhyOXJpaW93NjVhdjlrIiwicnVtb3RlQWRkcmVzcyI6Ijo6MSIsInByaXZpbGVnZSI6bnVsbCwiaWF0IjoxNDM1OTM4NTcyLCJleHAiOjE0MzU5NjAxNzJ9.29axXrjF83xCR8e9sBs2YsI9RQAfMfz6b0jSmHh5n1A |
| ***How to create:***  *You need to obtain a token from the Room manager server using the “Instructions to use the authorization token” at the beginning of this document* |
| ***Where to use:***  *On operations over routes that has been specified with this authorization, usually POST, PUT, DELETE operations on resources that needs a room manager administrator authorization* |

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| **NONE** |
| *Authorization is not needed* |

**Routes**

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| PGP public key routes |
| /public-key  GET  Description: Gets the server public key to encrypt data in PGP protocol  Authorization: NONE  Response Example:  {  "type": "text",  "content": "-----BEGIN PGP PUBLIC KEY BLOCK-----\r\nrb0AnIcDObsmG2YiO7tK4oU/OmIZT+0ZnEsBx2GnOO5zh/6CjODEROv+MHyw8Lyg\r\nK+sBVzo1PCkHxi5qG4apmibGdsUjLSnHfVAYRDyP5zpTRkn5JpQsLCL3b1aa4DFi\r\nb6qRzwuug5x9/aa6lRubwJ7Qx8V6byUJZvJizrvoAoBGRvGSXRAbmUldXlHYyFjv\r\nsPuviZQKa+rgYl4W7kg/O3pK...dQDMFy\r\needLW4QdZhfMFzEVr2HMnKATVwT7Z5Mgx4dUfkZTgNbqaB8SBoL6Vs4QamDjCIGO\r\nxBXwk95HoE0jaud2R3mehJOkIFxEfZFpYSf4+bkfHNeEfWFMF+bHm3Xz9TfDQNAG\r\nSzo0P/BQzhc7jGMkA/mqueHnxeHVUVCYOWIbmxXtK00AEQEAAYkBHwQYAQ -----END PGP PUBLIC KEY BLOCK-----\r\n"  } |

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| APK routes |
| /apk  GET  Description: Downloads the APK file  Authorization: NONE  Response Example: (Downloads an APK file) |

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| Service Type route |
| /service-types  GET  Description: Gets the available email service plugin types  Authorization: NONE  Response Example:  [  {  "version": "0.0.1",  "name": "exchange",  "support": [  "Exchange Server 2010"  ]  }  ] |

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| Resource routes |
| /resources  GET  Description: Get all the resources  Authorization: NONE  Response Example:  [  {  "name": "DATADISPLAY",  "customName": "data display",  "fontIcon": "fa fa-desktop",  "from": "",  "description": "This is a data display",  "\_id": "54f79121b5f7d64c273b4444",  "\_\_v": 0,  "@link": {  "rel": "self",  "Url": "https://localhost:4040/resources/54f79121b5f7d64c273b4444"  }  }  ]  POST  Description: Create a new resource  Authorization: [JWT](#jwt)  **Request Example:**  {  "name": "TELEVISION",  "customName": "Television",  "fontIcon": "fa fa-tv",  "from": "",  "description": "This is a television"  }  **Response Example:**  {  "\_\_v": 0,  "name": "TELEVISION",  "customName": "Television",  "fontIcon": "fa fa-tv",  "from": "",  "description": "This is a television",  "\_id": "54f8b5328b00aadc1da1c93d"  }  DELETE (bulk)  Description: Removes a resource  Authorization: [JWT](#jwt)  **Request Example:**  {  "id": ["561bc972149df4140161d0ed","561bc97b149df4140161d0ee"]  }  **Request Example:**  [  {  "state": "fulfilled",  "value": {  "name": "TELEVISION",  "customName": "Television",  "fontIcon": "fa fa-desktop",  "from": "",  "description": "",  "\_id": "54f8b5328b00aadc1da1c93d",  "\_\_v": 0  }  },  {  "state": "fulfilled",  "value": {  "name": "DATADISPLAY",  "customName": "data display",  "fontIcon": "fa fa-film",  "from": "",  "description": "",  "\_id": "54f79121b5f7d64c273b4444",  "\_\_v": 0  }  }  ] |
| /resources/{:id}  GET  Description: Gets a specified resource  Authorization: NONE  Response Example:  {  "name": "TELEVISION",  "customName": "Television",  "fontIcon": "fa fa-tv",  "from": "",  "description": "This is a television",  "\_id": "54f8b5328b00aadc1da1c93d",  "\_\_v": 0,  "@link": {  "rel": "self",  "Url": "https://localhost:4040/resources/54f8b5328b00aadc1da1c93d "  }  }  PUT  Description: Updates a resource  Authorization: [JWT](#jwt)  **Request Example:**  {  "name": "TELEVISION",  "customName": "TV",  "fontIcon": "fa fa-tv",  "from": "",  "description": "This is a television"  }  **Response Example:**  {  "\_\_v": 0,  "\_id": "54f8b5328b00aadc1da1c93d",  "customName": "TV",  "description": "This is a television",  "fontIcon": "fa fa-tv",  "from": "",  "name": "TELEVISION"  }  DELETE  Description: Removes a resource  Authorization: [JWT](#jwt)  Response Example:  {  "\_\_v": 0,  "\_id": "54f8b5328b00aadc1da1c93d",  "customName": "TV",  "description": "This is a television",  "fontIcon": "fa fa-tv",  "from": "",  "name": "TELEVISION"  } |

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| Service routes |
| /services  **GET**  Description: Get the current registered services like your enterprise exchange or google calendar  Authorization: [JWT](#jwt)  Response Example:  [  {  "credential": {  "\_id": "a54f73bbd5f7df4c273g4445",  "username": "Administrator",  "expirationDate": "2017-12-30T23:59:59.000Z"  },  "type": "exchange",  "name": "Microsoft Exchange Server 2010 SP1",  "version": "14.1.218",  "serviceUrl": "https://my-exchange.com/EWS/Exchange.asmx",  "extendedProperties": {  "serverName": "MY.EXCHANGE.COM"  },  "\_id": "4f73b2b5fd64c23b44d4g6h",  "\_\_v": 0,  "impersonate": false,  "alternativeServiceUrls": [  "https://my-exchange.com/EWS/Exchange.asmx",  "https://my-exchange.com/EWS/Exchange.asmx",  "https://my-exchange.com/EWS/UM2007Legacy.asmx"  ],  "@link": {  "rel": "self",  "Url": "https://localhost:4040/services/4f73b2b5fd64c23b44d4g6h"  }  }  ]  **Filters:**   * **?type={service type} :** Filters by service type (See “/service-types” endpoint)   **POST**  Description: Register a email service, you need to specify the filter of the type of service you want to register, like "exchange"  Authorization: [JWT](#jwt)  **Request Example:**  {  "username": "Administrator",  "password": "mypassword123",  "hostname": "my.exchange.com"  }  **Response Example:**  {  "credential": {  "\_id": "a54f73bbd5f7df4c273g4445",  "username": "Administrator"  },  "type": "exchange",  "name": "Microsoft Exchange Server 2010 SP1",  "version": "14.1.218",  "serviceUrl": "https://my-exchange.com/EWS/Exchange.asmx",  "extendedProperties": {  "serverName": "MY.EXCHANGE.COM"  },  "\_id": "4f73b2b5fd64c23b44d4g6h",  "\_\_v": 0,  "impersonate": false,  "alternativeServiceUrls": [  "https://my-exchange.com/EWS/Exchange.asmx",  "https://my-exchange.com/EWS/Exchange.asmx",  "https://my-exchange.com/EWS/UM2007Legacy.asmx"  ]  }  **Filters:**   * **?type={service type} :** Set the service type (See “/service-types” endpoint), this filter is required   **Caution:** Because the application is in development therequest body is enabled to be sent without encryption through the API, current client applications ensures that they are encrypting the requests |
| /services/{:serviceId}  **GET**  Description: Gets a specific registered service  Authorization: NONE  Response Example:  {  "credential": {  "\_id": "a54f73bbd5f7df4c273g4445",  "username": "Administrator"  },  "type": "exchange",  "name": "Microsoft Exchange Server 2010 SP1",  "version": "14.1.218",  "serviceUrl": "https://my-exchange.com/EWS/Exchange.asmx",  "extendedProperties": {  "serverName": "MY.EXCHANGE.COM"  },  "\_id": "4f73b2b5fd64c23b44d4g6h",  "\_\_v": 0,  "impersonate": false,  "alternativeServiceUrls": [  "https://my-exchange.com/EWS/Exchange.asmx",  "https://my-exchange.com/EWS/Exchange.asmx",  "https://my-exchange.com/EWS/UM2007Legacy.asmx"  ],  "@link": {  "rel": "self",  "Url": "https://localhost:4040/services/4f73b2b5fd64c23b44d4g6h"  }  }  **DELETE**  Description: Removes a specific service  Authorization: [JWT](#jwt)  Response Example:  {  "credential": {  "\_id": "a54f73bbd5f7df4c273g4445",  "username": "Administrator"  },  "type": "exchange",  "name": "Microsoft Exchange Server 2010 SP1",  "version": "14.1.218",  "serviceUrl": "https://my-exchange.com/EWS/Exchange.asmx",  "extendedProperties": {  "serverName": "MY.EXCHANGE.COM"  },  "\_id": "4f73b2b5fd64c23b44d4g6h",  "\_\_v": 0,  "impersonate": false,  "alternativeServiceUrls": [  "https://my-exchange.com/EWS/Exchange.asmx",  "https://my-exchange.com/EWS/Exchange.asmx",  "https://my-exchange.com/EWS/UM2007Legacy.asmx"  ]  } |
| /services/{:serviceId}/rooms  GET  Description: Get all the rooms of a specific registered service  Authorization: NONE  Response Example:  [  {  "emailAddress": "room101@myexchange.com",  "displayName": "Room 101",  "serviceId": "54f793b2b5f7d64c273b4446",  "\_id": "54f793b4b5f7d64c273b4447",  "\_\_v": 0,  "resources": [],  "enabled": true,  "location": "",  "customDisplayName": "My Room 101",  "code": "",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/services/54f793b2b5f7d64c273b4446/rooms/54f793b4b5f7d64c273b4447"  },  {  "emailAddress": "room102@myexchange.com",  "displayName": "Room 102",  "serviceId": "54f793b2b5f7d64c273b4446",  "\_id": "54f793b4b5f7d64c273b444d",  "\_\_v": 0,  "resources": [],  "enabled": true,  "location": "",  "customDisplayName": "My Room 102",  "code": "",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/services/54f793b2b5f7d64c273b4446/rooms/54f793b4b5f7d64c273b444d"  }  ] |
| /services/{:serviceId}/rooms/{:roomId}  GET  Description: Gets a specific room  Authorization: NONE  Response Example:  {  "emailAddress": "room102@myexchange.com",  "displayName": "Room 102",  "serviceId": "54f793b2b5f7d64c273b4446",  "\_id": "54f793b4b5f7d64c273b444d",  "\_\_v": 0,  "resources": [],  "enabled": true,  "location": "",  "customDisplayName": "My Room 102",  "code": "",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/services/54f793b2b5f7d64c273b4446/rooms/54f793b4b5f7d64c273b444d"  }  PUT  Description: Modify a specific room  Authorization: [JWT](#jwt)  **Request Example:**  {  "enabled": false,  "customDisplayName": "A better name"  }  **Response Example:**  {  "\_\_v": 0,  "\_id": "54f793b4b5f7d64c273b4447",  "displayName": "Room 102",  "emailAddress": "room102@myexchange.com",  "serviceId": "54f793b2b5f7d64c273b4446",  "resources": [],  "enabled": false,  "location": "",  "customDisplayName": "A better name",  "code": ""  } |

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| Room routes |
| /rooms  GET  Description: Gets all the rooms  Authorization: NONE  Response Example:  [  {  "emailAddress": "room101@myexchange.com",  "displayName": "Room 101",  "serviceId": "54f793b2b5f7d64c273b4446",  "\_id": "54f793b4b5f7d64c273b4447",  "\_\_v": 0,  "resources": [],  "enabled": true,  "location": "",  "customDisplayName": "My Room 101",  "code": "",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/rooms/54f793b4b5f7d64c273b4447"  }  },  {  "emailAddress": "room102@myexchange.com",  "displayName": "Room 102",  "serviceId": "54f793b2b5f7d64c273b4446",  "\_id": "54f793b4b5f7d64c273b444d",  "\_\_v": 0,  "resources": [],  "enabled": true,  "location": "",  "customDisplayName": "My Room 102",  "code": "",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/rooms/54f793b4b5f7d64c273b444d"  }  }  ] |
| /rooms/{:roomId}  GET  Description: Gets all the rooms  Authorization: NONE  Response Example:  {  "emailAddress": "room102@myexchange.com",  "displayName": "Room 102",  "serviceId": "54f793b2b5f7d64c273b4446",  "\_id": "54f793b4b5f7d64c273b444d",  "\_\_v": 0,  "resources": [],  "enabled": true,  "location": "",  "customDisplayName": "My Room 102",  "code": "",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/rooms/54f793b4b5f7d64c273b444d"  }  }  PUT  Description: Gets a specific room  Authorization: [JWT](#jwt)  **Request Example:**  {  "enabled": false,  "customDisplayName": "A better name"  }  **Response Example:**  {  "\_\_v": 0,  "\_id": "54f793b4b5f7d64c273b4447",  "displayName": "Room 102",  "emailAddress": "room102@myexchange.com",  "serviceId": "54f793b2b5f7d64c273b4446",  "resources": [],  "enabled": false,  "location": "",  "customDisplayName": "A better name",  "code": ""  } |

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| Room Resources routes |
| /rooms/{:roomId}/resources  GET  Description: Gets all the specified room’s resources  Authorization: NONE  Response Example:  [  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 1,  "\_id": "54f865c69106bdb0085611ca"  "@link": {  "rel": "self",  "Url": "https://localhost:4040/rooms/56211314481a4f081a3a83af/resources/54f865c69106bdb0085611ca "  }  ]  POST  Description: Associates the room with an existent resource  Authorization: [JWT](#jwt)  **Request Example:**  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 5  }  **Response Example:**  {  "\_\_v": 0,  "\_id": "54f793b4b5f7d64c273b4447",  "displayName": "Room 102",  "emailAddress": "room102@myexchange.com",  "serviceId": "54f793b2b5f7d64c273b4446",  "resources": [  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 5,  "\_id": "54f8be8a8b00aadc1da1c95b"  }  ],  "enabled": false,  "location": "",  "customDisplayName": "A better name",  "code": ""  } |
| /rooms/{:roomId}/resources/{:roomResourceId}  GET  Description: Gets a specific resource from a specific room  Authorization: NONE  Response Example:  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 1,  "\_id": "54f865c69106bdb0085611ca",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/rooms/56211314481a4f081a3a83af/resources/54f865c69106bdb0085611ca"  }  PUT  Description: Updates a specific resource from a specific room  Authorization: [JWT](#jwt)  **Request Example:**  {  "quantity": 10  }  **Response Example:**  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 10,  "\_id": "54f865c69106bdb0085611ca"  }  DELETE  Description: Removes a specific resource from a specific room  Authorization: [JWT](#jwt)  Response Example:  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 10,  "\_id": "54f865c69106bdb0085611ca"  }  /services/{:serviceId}/rooms/{:roomId}/resources  GET  Description: Gets all the specified room’s resources  Authorization: NONE  Response Example:  [  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 1,  "\_id": "54f865c69106bdb0085611ca"  "@link": {  "rel": "self",  "Url": "https://localhost:4040/rooms/56211314481a4f081a3a83af/resources/54f865c69106bdb0085611ca "  }  ]  POST  Description: Associates the room with an existent resource  Authorization: [JWT](#jwt)  **Request Example:**  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 5  }  **Response Example:**  {  "\_\_v": 0,  "\_id": "54f793b4b5f7d64c273b4447",  "displayName": "Room 102",  "emailAddress": "room102@myexchange.com",  "serviceId": "54f793b2b5f7d64c273b4446",  "resources": [  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 5,  "\_id": "54f8be8a8b00aadc1da1c95b"  }  ],  "enabled": false,  "location": "",  "customDisplayName": "A better name",  "code": ""  }  /services/{:serviceId}/rooms/{:roomId}/resources/{:roomResourceId}  GET  Description: Gets a specific resource from a specific room  Authorization: NONE  Response Example:  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 1,  "\_id": "54f865c69106bdb0085611ca",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/rooms/56211314481a4f081a3a83af/resources/54f865c69106bdb0085611ca"  }  PUT  Description: Updates a specific resource from a specific room  Authorization: [JWT](#jwt)  **Request Example:**  {  "quantity": 10  }  **Response Example:**  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 10,  "\_id": "54f865c69106bdb0085611ca"  }  DELETE  Description: Removes a specific resource from a specific room  Authorization: [JWT](#jwt)  Response Example:  {  "resourceId": "54f79121b5f7d64c273b4444",  "quantity": 10,  "\_id": "54f865c69106bdb0085611ca"  } |

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| Meeting routes |
| /services/{:serviceId}/rooms/{:roomId}/meetings  GET  Description: Get all meetings from a specific room  Authorization: NONE  Response Example:  [  {  "serviceId": "54f793b2b5f7d64c273b4446",  "roomId": "54f793b4b5f7d64c273b4452",  "roomEmail": "room102@myexchange.com",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "location": "Room 102",  "title": "my meeting",  "organizer": "a.user",  "uniqueId": "AAMkAGIyZT=",  "extendedProperties": {  "itemIds": {  "id": "AAMkAGIyZ=",  "changeKey": "DwAAABYAY"  }  },  "conflict": [],  "ceationDateAtService": "2015-03-05T21:06:38.000Z",  "modifiedDateAtService": "2015-03-05T21:06:38.000Z",  "\_id": "54f8c55d058ba854078beec0",  "\_\_v": 0,  "resources": [  "room102@myexchange.com"  ],  "optionalAttendees": [],  "attendees": [  "a.user@myexchange.com"  ],  "kind": "meeting",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/rooms/54f793b4b5f7d64c273b4452/meetings/56212fc0481a4f081a3a83cd"  }  ]  POST  Description: Creates a specific meeting  Authorization: [BASIC](#basic)  **Request Example:**  {  "organizer": "a.user",  "title": "my meeting",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "location": "Room 102",  "roomEmail": "room102@myexchange.com",  "resources": [  "room102@myexchange.com"  ],  "attendees": [  "a.user@myexchange.com"  ]  }  (“roomEmail” and “resources” fields should have the same content)  **Response Example:**  {  "serviceId": "54f793b2b5f7d64c273b4446",  "roomId": "54f793b4b5f7d64c273b4452",  "roomEmail": "room102@myexchange.com",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "location": "Room 102",  "title": "my meeting",  "organizer": "a.user",  "uniqueId": "AAMkAGIyZT=",  "extendedProperties": {  "itemIds": {  "id": "AAMkAGIyZ=",  "changeKey": "DwAAABYAY"  }  },  "conflict": [],  "ceationDateAtService": "2015-03-05T21:06:38.000Z",  "modifiedDateAtService": "2015-03-05T21:06:38.000Z",  "\_id": "54f8c55d058ba854078beec0",  "\_\_v": 0,  "resources": [  "room102@myexchange.com"  ],  "optionalAttendees": [],  "attendees": [  "a.user@myexchange.com"  ],  "kind": "meeting"  }  Headers: You need to set your service credentials (e.g. Exchange account) on the “Authorization” HTTP header using Basic authentication (<http://en.wikipedia.org/wiki/Basic_access_authentication>) |
| /services/{:serviceId}/rooms/{:roomId}/meetings/{:meetingId}  GET  Description: Gets a specific meeting  Authorization: NONE  Response Example:  {  "serviceId": "54f793b2b5f7d64c273b4446",  "roomId": "54f793b4b5f7d64c273b4452",  "roomEmail": "room102@myexchange.com",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "location": "Room 102",  "title": "my meeting",  "organizer": "a.user",  "uniqueId": "AAMkAGIyZT=",  "extendedProperties": {  "itemIds": {  "id": "AAMkAGIyZ=",  "changeKey": "DwAAABYAY"  }  },  "conflict": [],  "ceationDateAtService": "2015-03-05T21:06:38.000Z",  "modifiedDateAtService": "2015-03-05T21:06:38.000Z",  "\_id": "54f8c55d058ba854078beec0",  "\_\_v": 0,  "resources": [  "room102@myexchange.com"  ],  "optionalAttendees": [],  "attendees": [  "a.user@myexchange.com"  ],  "kind": "meeting",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/rooms/54f793b4b5f7d64c273b4452/meetings/54f8c55d058ba854078beec0"  }  PUT  Description: Updates a specific meeting  Authorization: [BASIC](#basic)  **Request Example:**  {  "title": "new title",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "attendees": [  "a.user@myexchange.com",  "b.user@myexchange.com"  ]  }  **Response Example:**  {  "serviceId": "54f793b2b5f7d64c273b4446",  "roomId": "54f793b4b5f7d64c273b4452",  "roomEmail": "room102@myexchange.com",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "location": "Room 102",  "title": "new title",  "organizer": "a.user",  "uniqueId": "AAMkAGIyZT=",  "extendedProperties": {  "itemIds": {  "id": "AAMkAGIyZ=",  "changeKey": "DwAAABYAY"  }  },  "conflict": [],  "ceationDateAtService": "2015-03-05T23:06:38.000Z",  "modifiedDateAtService": "2015-03-05T23:06:38.000Z",  "\_id": "54f8c55d058ba854078beec0",  "\_\_v": 0,  "resources": [  "room102@myexchange.com"  ],  "optionalAttendees": [],  "attendees": [  "a.user@myexchange.com"  ],  "kind": "meeting"  }  Headers: You need to set your service credentials (e.g. Exchange account) on the “Authorization” HTTP header using Basic authentication (<http://en.wikipedia.org/wiki/Basic_access_authentication>)  DELETE  Description: Removes a specific meeting  Authorization: [BASIC](#basic)  Response Example:  {  "serviceId": "54f793b2b5f7d64c273b4446",  "roomId": "54f793b4b5f7d64c273b4452",  "roomEmail": "room102@myexchange.com",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "location": "Room 102",  "title": "new title",  "organizer": "a.user",  "uniqueId": "AAMkAGIyZT=",  "extendedProperties": {  "itemIds": {  "id": "AAMkAGIyZ=",  "changeKey": "DwAAABYAY"  }  },  "conflict": [],  "ceationDateAtService": "2015-03-05T23:06:38.000Z",  "modifiedDateAtService": "2015-03-05T23:06:38.000Z",  "\_id": "54f8c55d058ba854078beec0",  "\_\_v": 0,  "resources": [  "room102@myexchange.com"  ],  "optionalAttendees": [],  "attendees": [  "a.user@myexchange.com"  ],  "kind": "meeting"  }  Headers: You need to set your service credentials (e.g. Exchange account) on the “Authorization” HTTP header using Basic authentication (<http://en.wikipedia.org/wiki/Basic_access_authentication>)  /rooms/{:roomId}/meetings  GET  Description: Get all meetings from a specific room  Authorization: NONE  Response Example:  [  {  "serviceId": "54f793b2b5f7d64c273b4446",  "roomId": "54f793b4b5f7d64c273b4452",  "roomEmail": "room102@myexchange.com",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "location": "Room 102",  "title": "my meeting",  "organizer": "Mario Ovando",  "uniqueId": "AAMkAGIyZT=",  "extendedProperties": {  "itemIds": {  "id": "AAMkAGIyZ=",  "changeKey": "DwAAABYAY"  }  },  "conflict": [],  "ceationDateAtService": "2015-03-05T21:06:38.000Z",  "modifiedDateAtService": "2015-03-05T21:06:38.000Z",  "\_id": "54f8c55d058ba854078beec0",  "\_\_v": 0,  "resources": [  "room102@myexchange.com"  ],  "optionalAttendees": [],  "attendees": [  "a.user@myexchange.com"  ],  "kind": "meeting",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/rooms/54f793b4b5f7d64c273b4452/meetings/56212fc0481a4f081a3a83cd"  }  ]  POST  Description: Creates a specific meeting  Authorization: [BASIC](#basic)  **Request Example:**  {  "organizer": "a.user",  "title": "my meeting",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "location": "Room 102",  "roomEmail": "room102@myexchange.com",  "resources": [  "room102@myexchange.com"  ],  "attendees": [  "a.user@myexchange.com"  ]  }  (“roomEmail” and “resources” fields should have the same content)  **Response Example:**  {  "serviceId": "54f793b2b5f7d64c273b4446",  "roomId": "54f793b4b5f7d64c273b4452",  "roomEmail": "room102@myexchange.com",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "location": "Room 102",  "title": "my meeting",  "organizer": "a.user",  "uniqueId": "AAMkAGIyZT=",  "extendedProperties": {  "itemIds": {  "id": "AAMkAGIyZ=",  "changeKey": "DwAAABYAY"  }  },  "conflict": [],  "ceationDateAtService": "2015-03-05T21:06:38.000Z",  "modifiedDateAtService": "2015-03-05T21:06:38.000Z",  "\_id": "54f8c55d058ba854078beec0",  "\_\_v": 0,  "resources": [  "room102@myexchange.com"  ],  "optionalAttendees": [],  "attendees": [  "a.user@myexchange.com"  ],  "kind": "meeting"  }  Headers: You need to set your service credentials (e.g. Exchange account) on the “Authorization” HTTP header using Basic authentication (<http://en.wikipedia.org/wiki/Basic_access_authentication>)  /rooms/{:roomId}/meetings/{:meetingId}  GET  Description: Gets a specific meeting  Authorization: NONE  Response Example:  {  "serviceId": "54f793b2b5f7d64c273b4446",  "roomId": "54f793b4b5f7d64c273b4452",  "roomEmail": "room102@myexchange.com",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "location": "Room 102",  "title": "my meeting",  "organizer": "a.user",  "uniqueId": "AAMkAGIyZTad64aOPOas9d",  "extendedProperties": {  "itemIds": {  "id": "AAMkAGIyZ54aq87qDA",  "changeKey": "DwAAABYAY"  }  },  "conflict": [],  "ceationDateAtService": "2015-03-05T21:06:38.000Z",  "modifiedDateAtService": "2015-03-05T21:06:38.000Z",  "\_id": "54f8c55d058ba854078beec0",  "\_\_v": 0,  "resources": [  "room102@myexchange.com"  ],  "optionalAttendees": [],  "attendees": [  "a.user@myexchange.com"  ],  "kind": "meeting",  "@link": {  "rel": "self",  "Url": "https://localhost:4040/rooms/54f793b4b5f7d64c273b4452/meetings/54f8c55d058ba854078beec0"  }  PUT  Description: Updates a specific meeting  Authorization: [BASIC](#basic)  **Request Example:**  {  "title": "new title",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "attendees": [  "a.user@myexchange.com",  "b.user@myexchange.com"  ]  }  **Response Example:**  {  "serviceId": "54f793b2b5f7d64c273b4446",  "roomId": "54f793b4b5f7d64c273b4452",  "roomEmail": "room102@myexchange.com",  "start": "2015-03-05T23:00:00.000Z",  "end": "2015-03-05T23:30:00.000Z",  "location": "Room 102",  "title": "new title",  "organizer": "a.user",  "uniqueId": "AAMkAGIyZT=",  "extendedProperties": {  "itemIds": {  "id": "AAMkAGIyZ=",  "changeKey": "DwAAABYAY"  }  },  "conflict": [],  "ceationDateAtService": "2015-03-05T23:06:38.000Z",  "modifiedDateAtService": "2015-03-05T23:06:38.000Z",  "\_id": "54f8c55d058ba854078beec0",  "\_\_v": 0,  "resources": [  "room102@myexchange.com"  ],  "optionalAttendees": [],  "attendees": [  "a.user@myexchange.com"  ],  "kind": "meeting"  }  Headers: You need to set your service credentials (e.g. Exchange account) on the “Authorization” HTTP header using Basic authentication (<http://en.wikipedia.org/wiki/Basic_access_authentication>) |

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| Out of Order routes |
| /out-of-orders  GET  Description: Gets all the out-of-orders  Authorization: NONE  Response Example:  [  {  "from": "2015-03-05T21:30:00.000Z",  "to": "2015-03-05T22:00:00.000Z",  "roomId": "54f793b4b5f7d64c273b4457",  "title": "Temporarily Out of Order",  "meetingId": "54f8c973058ba854078beec4",  "\_id": "54f8c973058ba854078beec5",  "\_\_v": 0,  "sendEmail": false,  "@link": {  "rel": "self",  "Url": "https://localhost:4040/out-of-orders/54f8c973058ba854078beec5"  }  },  {  "from": "2015-03-05T11:00:00.000Z",  "to": "2015-03-05T12:30:00.000Z",  "roomId": "54f793b4b5f7d64c273b4421",  "title": "Temporarily Out of Order",  "meetingId": "54f8c973058ba834078beec1",  "\_id": "54f8c973058ba854078muud8",  "\_\_v": 0,  "sendEmail": false,  "@link": {  "rel": "self",  "Url": "https://localhost:4040/out-of-orders/54f8c973058ba854078muud8"  }  }  ] |
| /out-of-orders/{:out-of-orderId}  GET  Description: Gets all the out-of-orders  Authorization: NONE  Response Example:  [  {  "from": "2015-03-05T21:30:00.000Z",  "to": "2015-03-05T22:00:00.000Z",  "roomId": "54f793b4b5f7d64c273b4457",  "title": "Temporarily Out of Order",  "meetingId": "54f8c973058ba854078beec4",  "\_id": "54f8c973058ba854078beec5",  "\_\_v": 0,  "sendEmail": false,  "@link": {  "rel": "self",  "Url": "https://localhost:4040/out-of-orders/54f8c973058ba854078beec5"  }  }  ] |

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| Out of Order by Room routes |
| /services/{:serviceId}/rooms/{:roomId}/out-of-orders  GET  Description: Gets the out of orders from a specific room from a specific service  Authorization: NONE  Response Example:  [  {  "from": "2015-03-05T21:30:00.000Z",  "to": "2015-03-05T22:00:00.000Z",  "roomId": "54f793b4b5f7d64c273b4457",  "title": "Temporarily Out of Order",  "meetingId": "54f8c973058ba854078beec4",  "\_id": "54f8c973058ba854078beec5",  "\_\_v": 0,  "sendEmail": false,  "@link": {  "rel": "self",  "Url": "https://localhost:4040/services/56211314481a4f081a3a83ae/rooms/54f793b4b5f7d64c273b4457/out-  of-orders/54f8c973058ba854078beec5"  }  }  ]  POST  Description: Creates an out-of order in a specific room from a specific service  Authorization: [JWT](#jwt)  **Request Example:**  {  "from": "2015-03-05T21:30:00.000Z",  "to": "2015-03-05T22:00:00.000Z",  "title": "Temporarily Out of Order",  "roomId": "56211314481a4f081a3a83ba",  "sendEmail": false  }  **Response Example:**  {  "\_\_v": 0,  "from": "2015-03-05T21:30:00.000Z",  "to": "2015-03-05T22:00:00.000Z",  "roomId": "54f793b4b5f7d64c273b4457",  "title": "Temporarily Out of Order",  "\_id": "54f8ca2b7e39b188232b9b03",  "sendEmail": false  } |
| /services/{:serviceId}/rooms/{:roomId}/out-of-orders/{:outOfOrderId}  GET  Description: Gets a specific out-of-order from a specific room from a specific service  Authorization: NONE  Response Example:  {  "from": "2015-03-05T21:30:00.000Z",  "to": "2015-03-05T22:00:00.000Z",  "roomId": "54f793b4b5f7d64c273b4457",  "title": "Temporarily Out of Order",  "\_id": "54f8ca2b7e39b188232b9b03",  "\_\_v": 0,  "sendEmail": false  }  PUT  Description: Updates a specific out-of-order from a specific room from a specific service  Authorization: [JWT](#jwt)  **Request Example:**  {  "from": "2015-03-05T21:30:00.000Z",  "to": "2015-03-05T22:00:00.000Z",  "title": "Temporarily Out of Order",  "sendEmail": false  }  **Response Example:**  {  "from": "2015-03-05T21:30:00.000Z",  "to": "2015-03-05T22:00:00.000Z",  "roomId": "54f793b4b5f7d64c273b4457",  "title": "Temporarily Out of Order",  "\_id": "54f8ca2b7e39b188232b9b03",  "\_\_v": 0,  "sendEmail": false  }  DELETE  Description: Removes a specific out-of-order from a specific room from a specific service  Authorization: [JWT](#jwt)  Response Example:  {  "from": "2015-03-05T21:30:00.000Z",  "to": "2015-03-05T22:00:00.000Z",  "roomId": "54f793b4b5f7d64c273b4457",  "title": "Temporarily Out of Order",  "\_id": "54f8ca2b7e39b188232b9b03",  "\_\_v": 0,  "sendEmail": false  } |

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| Attendees route |
| /services/{:serviceId}/attendees{?filter}/  GET  Description: Gets a user from a specific email service  Authorization: NONE  Response Example:  [  {  "username": "Ross Geller",  "mail": "Ross.Geller@jalrm002.lab"  },  {  "username": "Rachel Green",  "mail": "Rachel.Green@jalrm002.lab"  }  ]  Filters:   * ?filter={first letter}: Makes a search with the first character of the name |

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| Location routes |
| /locations  GET  Description: Gets all the locations stored in the database  Authorization: NONE  Response Example:  [  {  "path": "5510c38bafa5cddc1ee88d6d",  "name": "jala-foundation",  "customName": "Jala Foundation",  "\_id": "5510c38bafa5cddc1ee88d6d",  "\_\_v": 0,  "description": "jala foundation"  }  ]  POST  Description: Creates a new location. Nested locations are supported, by default when no parent Id is provided the location is created without a parent. In order to create a location as a child of another location the parent Id must be provided. E.g. {“parentId” : “2312ksa31g1k4h21400adf4”}  Authorization: [JWT](#jwt)  **Request Example:**  {  "name" : "punata",  "customName" : "PUNATA",  "description": "this is the punata location"  }  **Response Example:**  {  "\_\_v": 0,  "path": "552582e266c4ab6009b03fd1",  "name": "punata",  "customName": "PUNATA",  "\_id": "552582e266c4ab6009b03fd1",  "description": "this is the punata location"  } |
| /locations/{:locationId }  GET  Description: Gets a specific location  Authorization: NONE  Response Example:  {  "\_\_v": 0,  "path": "552582e266c4ab6009b03fd1",  "name": "punata",  "customName": "PUNATA",  "\_id": "552582e266c4ab6009b03fd1",  "description": "this is the punata location"  }  PUT  Description: Updates a specific location. In order to change the parent of the specific location the parent Id parameter must be provided. If you want to remove the parent of the location you must provide the parent Id as an empty string or null. E.g. { “parentId” : “” } or { “parentId” : null }  Authorization: [JWT](#jwt)  **Request Example:**  {  "customName": "Punata"  }  **Response Example:**  {  "path": "552582e266c4ab6009b03fd1",  "name": "punata",  "customName": "Punata",  "\_id": "552582e266c4ab6009b03fd1",  "\_\_v": 0,  "description": "this is the punata location"  }  DELETE  Description: Removes a specific location1  Authorization: [JWT](#jwt)  Response Example:  {  "\_\_v": 0,  "\_id": "552582e266c4ab6009b03fd1",  "customName": "PUNATA",  "name": "punata\_new",  "path": "552582e266c4ab6009b03fd1",  "description": "this is the punata location"  } |