

BigBlueButton WordPress REST API Documentation

Base URL: `/wp-json/bigbluebutton/v1`

Authentication

All endpoints, except for the guest join meeting endpoint, require WordPress authentication. Use standard WordPress authentication methods (cookie authentication for browser-based apps, or JWT for external apps).

Rooms

Get All Rooms

Retrieves a list of all BigBlueButton rooms.

- **URL:** `/rooms`
- **Method:** GET
- **Permissions Required:** `read_bbb_rooms`

Response:

```
[
  {
    "id": 1,
    "title": "My Meeting Room",
    "moderator_code": "mod123",
    "viewer_code": "view456",
    "wait_for_moderator": true,
    "recordable": false
  },
  ...
]
```

Get a Specific Room

Retrieves details for a specific room.

- **URL:** `/rooms/{id}`
- **Method:** GET
- **Permissions Required:** `read_bbb_rooms`

Response:

```
{
  "id": 1,
  "title": "My Meeting Room",
  "moderator_code": "mod123",
  "viewer_code": "view456",
  "wait_for_moderator": true,
  "recordable": false
}
```

Create a Room

Creates a new BigBlueButton room.

- **URL:** `/rooms`
- **Method:** POST
- **Permissions Required:** `publish_bbb_rooms`

Request Body:

```
{
  "title": "New Meeting Room",
  "moderator_code": "mod789",
  "viewer_code": "view012",
  "wait_for_moderator": false,
  "recordable": true
}
```

Response:

```
{
  "id": 2,
  "title": "New Meeting Room",
  "moderator_code": "mod789",
  "viewer_code": "view012",
  "wait_for_moderator": false,
  "recordable": true
}
```

Update a Room

Updates an existing BigBlueButton room.

- **URL:** /rooms/{id}
- **Method:** PUT
- **Permissions Required:** edit_bbb_room

Request Body:

```
{
  "title": "Updated Meeting Room",
  "moderator_code": "mod111",
  "viewer_code": "view222",
  "wait_for_moderator": true,
  "recordable": false
}
```

Response:

```
{
  "id": 2,
  "title": "Updated Meeting Room",
  "moderator_code": "mod111",
  "viewer_code": "view222",
  "wait_for_moderator": true,
  "recordable": false
}
```

Delete a Room

Deletes a BigBlueButton room.

- **URL:** /rooms/{id}
- **Method:** DELETE
- **Permissions Required:** delete_bbb_room

Response:

```
204 No Content
```

Get Room Access Information

Retrieves access information for a specific room.

- **URL:** /rooms/{id}/access
- **Method:** GET
- **Permissions Required:** read_bbb_rooms

Response:

```
{
  "can_join": true,
  "is_moderator": false,
  "wait_for_moderator": true,
  "recordable": false
}
```

Meetings

Join a Meeting (Logged-in Users)

Generates a join URL for logged-in users.

- **URL:** `/meetings/join`
- **Method:** POST
- **Permissions Required:** User must be logged in

Request Body:

```
{
  "room_id": 1
}
```

Response:

```
{
  "join_url": "https://bbb-server.com/bigbluebutton/api/join?...",
  "is_moderator": true
}
```

Join a Meeting (Guests)

Generates a join URL for guest users.

- **URL:** `/meetings/join-guest`
- **Method:** POST
- **Permissions Required:** None

Request Body:

```
{
  "room_id": 1,
  "username": "John Doe",
  "password": "view456"
}
```

Response:

```
{
  "join_url": "https://bbb-server.com/bigbluebutton/api/join?...",
  "is_moderator": false
}
```

Check if Meeting is Running

Checks if a meeting is currently running.

- **URL:** `/meetings/{id}/running`
- **Method:** GET
- **Permissions Required:** `read_bbb_rooms`

Response:

```
{
  "is_running": true
}
```

Recordings

Get Recordings for a Room

Retrieves all recordings for a specific room.

- **URL:** `/recordings?room_id={room_id}`
- **Method:** GET
- **Permissions Required:** `read_bbb_rooms`

Response:

```
[
  {
    "recordID": "abc123",
    "name": "Meeting Recording 1",
    "description": "This is a recorded meeting",
    "startTime": 1621234567890,
    "duration": 3600,
    "playback": {
      "type": "presentation",
      "url": "https://bbb-server.com/playback/presentation/2.0/abc123"
    },
    "published": true
  },
  ...
]
```

Publish a Recording

Publishes a specific recording.

- **URL:** `/recordings/{id}/publish`
- **Method:** PUT
- **Permissions Required:** `manage_bbb_room_recordings`

Response:

```
{
  "success": true
}
```

Unpublish a Recording

Unpublishes a specific recording.

- **URL:** `/recordings/{id}/unpublish`
- **Method:** PUT
- **Permissions Required:** `manage_bbb_room_recordings`

Response:

```
{
  "success": true
}
```

Delete a Recording

Deletes a specific recording.

- **URL:** `/recordings/{id}`
- **Method:** DELETE

- **Permissions Required:** `manage_bbb_room_recordings`

Response:

```
204 No Content
```

Settings

Get BigBlueButton Settings

Retrieves the current BigBlueButton server settings.

- **URL:** `/settings`
- **Method:** GET
- **Permissions Required:** `manage_options`

Response:

```
{
  "bbb_url": "https://bbb-server.com/bigbluebutton/",
  "bbb_salt": "your_secret_salt"
}
```

Update BigBlueButton Settings

Updates the BigBlueButton server settings.

- **URL:** `/settings`
- **Method:** PUT
- **Permissions Required:** `manage_options`

Request Body:

```
{
  "bbb_url": "https://new-bbb-server.com/bigbluebutton/",
  "bbb_salt": "new_secret_salt"
}
```

Response:

```
{
  "success": true
}
```

This documentation covers all the endpoints we've implemented in our API. Each section includes the endpoint URL, HTTP method, required permissions, example request bodies (where applicable), and example responses.

Remember that all endpoints (except the guest join meeting endpoint) require WordPress authentication. The exact authentication method will depend on how you're accessing the API (e.g., cookie authentication for browser-based apps, JWT for external apps).

Also, note that error responses are not explicitly documented here, but they generally follow WordPress REST API standards, returning appropriate HTTP status codes and error messages.