Base URL

`https://localhost:8443/api/task-events`

1. Generic Endpoints (Work for both Tasks & Events)

Method	Endpoint	Description	Permissions
POST	`/`	Create new Task/Event	Admin only
GET	`/{id}`	Get specific Task/Event by ID	Authenticated
PUT	`/{id}`	Update Task/Event	Admin only
DELETE	`/{id}`	Delete Task/Event	Admin only

2. Task-Specific Endpoints

Method	Endpoint	Description	Permissions
GET	`/tasks`	Get all visible tasks for current user	Authenticated
GET	`/tasks/range?startDate=X&endDate=Y`	Get visible tasks within date range	Authenticated
GET	`/tasks/assigned`	Get tasks assigned to current user	Authenticated
GET	`/tasks/assigned/range?startDate=X&endDate=Y`	Get assigned tasks within date range	Authenticated

Method	Endpoint	Description	Permissions
PATCH	`/tasks/{id}/toggle-completion`	Toggle task completion status	Assigned user/Admin

3. Event-Specific Endpoints

Method	Endpoint	Description	Permissions
GET	`/events`	Get all visible events for current user	Authenticated
GET	`/events/range?startDate=X&endDate=Y`	Get visible events within date range	Authenticated
GET	`/events/assigned`	Get events assigned to current user	Authenticated
GET	`/events/assigned/range?startDate=X&endDate=Y`	Get assigned events within date range	Authenticated

4. Admin-Only Endpoints

Method	Endpoint	Description	Permissions
GET	`/admin/tasks`	Get all tasks (system-wide)	Admin only
GET	`/admin/tasks/range?startDate=X&endDate=Y`	Get all tasks in date range	Admin only

Method	Endpoint	Description	Permissions
GET	`/admin/events`	Get all events (system-wide)	Admin only
GET	`/admin/events/range?startDate=X&endDate=Y`	Get all events in date range	Admin only

Endpoint Parameters

Query Parameters for Date Ranges

- `startDate` : ISO8601 format (`YYYY-MM-DD` or `YYYY-MM-DDTHH:MM:SSZ`)
- `endDate` : ISO8601 format (`YYYY-MM-DD` or `YYYY-MM-DDTHH:MM:SSZ`)

Example:

`GET /events/range?startDate=2023-06-01&endDate=2023-06-30`

HTTP Status Codes

Code	Meaning
200	Success
201	Created
204	No Content (Delete success)
400	Bad Request (Validation error)
401	Unauthorized
403	Forbidden (No permissions)
404	Not Found
500	Server Error