

Livestream Overlay API Documentation

1. API Documentation (Flask Backend)

Base URL

http://127.0.0.1:5001/api/overlays

Create Overlay (POST)

Endpoint: /api/overlays

Description: Creates a new overlay (text or image) and stores it in MongoDB.

Request Body:

```
{
  "name": "LogoOverlay",
  "type": "image",
  "content": "https://example.com/logo.png",
  "x": 0.05,
  "y": 0.05,
  "width": 0.2,
  "height": 0.1,
  "style": { "opacity": 0.9 }
}
```

Response: (201 Created)

```
{
  "id": "66ff12b4323a99ef233a45b1",
  "name": "LogoOverlay",
  "type": "image",
  "content": "https://example.com/logo.png",
  "x": 0.05,
  "y": 0.05,
  "width": 0.2,
  "height": 0.1,
  "style": { "opacity": 0.9 }
}
```

Get All Overlays (GET)

Endpoint: /api/overlays

Response: (200 OK)

```
[
  {
    "id": "66ff12b4323a99ef233a45b1",
    "name": "LogoOverlay",
    "type": "image",
    "content": "https://example.com/logo.png",
    "x": 0.05,
    "y": 0.05,
    "width": 0.2,
    "height": 0.1,
    "style": { "opacity": 0.9 }
  }
]
```

Get Single Overlay (GET by ID)

Endpoint: /api/overlays/<id>

Example: /api/overlays/66ff12b4323a99ef233a45b1

Response:

```
{
  "id": "66ff12b4323a99ef233a45b1",
  "name": "LogoOverlay",
  "type": "image",
  "content": "https://example.com/logo.png",
  "x": 0.05,
  "y": 0.05,
  "width": 0.2,
  "height": 0.1,
  "style": { "opacity": 0.9 }
}
```

Update Overlay (PUT)

Endpoint: /api/overlays/<id>

Request Body:

```
{
  "x": 0.3,
  "y": 0.4,
  "width": 0.25,
  "height": 0.15
}
```

Response:

```
{
  "id": "66ff12b4323a99ef233a45b1",
  "name": "LogoOverlay",
  "type": "image",
  "content": "https://example.com/logo.png",
  "x": 0.3,
  "y": 0.4,
  "width": 0.25,
  "height": 0.15,
  "style": { "opacity": 0.9 }
}
```

Delete Overlay (DELETE)

Endpoint: /api/overlays/<id>

Response: (200 OK)

```
{ "ok": true }
```

Error Responses

Status	Meaning	Example
400	Invalid ObjectId	{ "error": "Invalid id" }
404	Not found	{ "error": "Not found" }
500	Server error	{ "error": "Server Error" }
