QR Code API Specification

Overview

This API enables QR code scanning applications to retrieve and overlay relevant information based on the scanned QR code. The API processes QR codes, returns associated metadata, and provides endpoints for managing QR data.

Base URL

```
Unset
https://api.qrservice.com/v1
```

Authentication

All API requests must be authenticated using an API key:

```
Unset
Authorization: Bearer {API_KEY}
```

Endpoints

1. Retrieve QR Code Details

Endpoint:

```
Unset
GET /qr/details/{qr_id}
```

Description: Fetches stored details of a previously scanned QR code.

Request Headers:

```
Unset
{
  "Authorization": "Bearer {API_KEY}",
  "Content-Type": "application/json"
}
```

Response:

```
Unset
{
  "status": "success",
  "data": {
    "qr_id": "123456",
    "subject": "Event Name",
    "context": "Event Description",
    "narrative": "This event is about...",
    "land_riv": "https://cdn.qrservice.com/rive/landscape.riv",
    "port_riv": "https://cdn.qrservice.com/rive/portrait.riv"
  }
}
```

2. Upload QR Code Metadata

Endpoint:

```
Unset
GET /api/media/get-signed-url?bucket-prefix=posts
```

Description: Generates a pre-signed S3 URL for uploading images associated with a QR code.

Response:

```
Unset
{
```

```
    "s3url": "https://s3.qrservice.com/uploads/123456789.jpg",
    "id": "987654"
}
```

3. Submit a New QR Code Post

Endpoint:

```
Unset
POST /qr/create
```

Description: Allows users to submit QR-related posts with images and metadata.

Request Body:

```
Unset
{
  "qr_code": "https://qdos.bz/sample-code",
  "subject": "Conference 2025",
  "context": "A global conference on technology trends.",
  "narrative": "Join us for insights on AI, Blockchain, and
IoT.",
  "image_url": "https://s3.qrservice.com/uploads/123456789.jpg"
}
```

Response:

```
Unset
{
  "status": "success",
  "message": "QR post created successfully."
}
```

4. Generate Twitter Post Links

Endpoint:

```
Unset
GET /twitter/generate-link?reference_id={qr_id}
```

Description: Creates a formatted Twitter post URL for sharing scanned QR events.

Response:

```
Unset
{
  "twitter_link":
"https://twitter.com/intent/tweet?text=Check+out+this+event+https
://qdos.bz/sample-code"
}
```

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5. Delete QR Code Metadata

Endpoint:

```
Unset
DELETE /qr/{qr_id}
```

Description: Deletes a QR code entry from the system.

Response:

```
Unset
{
  "status": "success",
  "message": "QR code deleted successfully."
}
```

Error Codes

Code	Message
400	Bad request
401	Unauthorized access
404	QR code not found
500	Internal server error

Rate Limits

- **Free Tier:** 100 requests per day
- **Pro Tier:** 10,000 requests per day
- **Enterprise Tier:** Unlimited requests

Security

- Uses **OAuth 2.0** for authentication.
- All requests must be sent over **HTTPS**.

Future Enhancements

- WebSocket support for real-time QR processing.
- AI-powered QR analysis.

Contact & Support

For issues or API access, contact **support@mintfinity.com**