

Queue Manager README

Overview

Queue Manager is a system for managing task queues efficiently. It ensures smooth task execution, load balancing, and priority handling in distributed environments. Suitable for job scheduling, background processing, and messaging systems.

Features

- Supports FIFO, LIFO, and priority queues
- Scalable and distributed architecture
- API for adding, processing, and monitoring tasks
- Fault tolerance and retry mechanisms
- Integration with Redis, RabbitMQ, and Kafka

Installation

Clone the repository:

```
git clone https://github.com/your-repo.git
```

```
cd your-repo
```

1.

Install dependencies:

```
pip install -r requirements.txt
```

2.

Start the queue manager:

```
python main.py
```

3.

Usage

Configure queue settings in `config.yaml`. Use the API to enqueue and dequeue tasks.