

# Monitoring Message Queues

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# Overview

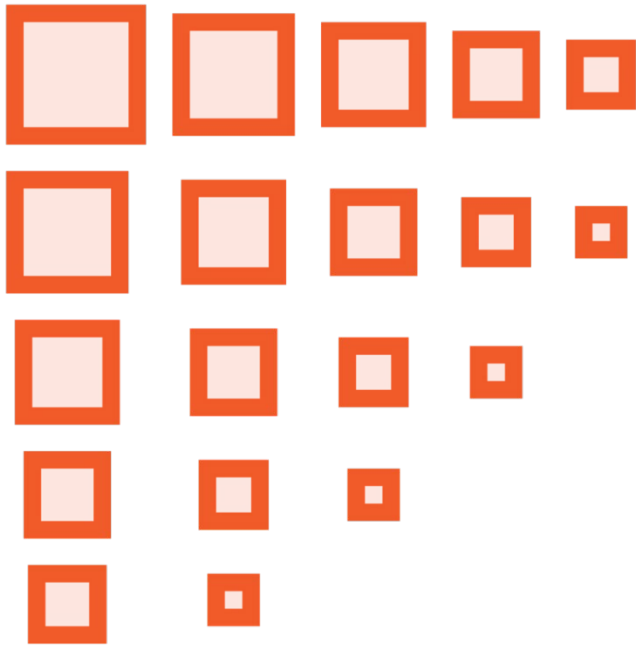


## RabbitMQ

- Built-in Prometheus support
  - Beginning with version 3.8.0
  - rabbitmq\_prometheus plugin
- Enable plugin on instance
- View available metrics



# Message Queue Metrics



## Information specific to message queues

- Determine status, health and performance

## Prometheus messaging system exporters

- <https://prometheus.io/docs/instrumenting/exporters/#messaging-systems>

```
rabbitmq-plugins enable rabbitmq_prometheus
```

## RabbitMQ Configuration

### **Exporter is built into application**

- Nothing to download or install

### **Exposes metrics at endpoint for Prometheus**



```
prometheus/prometheus.yml
```

```
scrape_configs:
```

```
- job_name: 'rabbitmq_exporter'
```

```
  static_configs:
```

```
  - targets: ['172.31.18.7:15692']
```

## Prometheus Configuration for Exporter

Create a job to pull metrics from exporter

IP will depend on your network setup (internal vs. external IP)

Restart Prometheus to pick up the change



# Demo



## RabbitMQ Exporter

- Enable rabbitmq\_prometheus plugin

## Create job in Prometheus

- View metrics



# Summary



## Monitor RabbitMQ

- Enable Prometheus Plugin
- Metrics available

## Prometheus exporters

- Application visibility
- Monitor operations

## Grafana course

- Interactive dashboards
- Display and monitor Prometheus metrics
- Pre-configured and customizable

