

# ROH

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## What is a ROH?

ROH is a distributed Python tasks manager.

It is possible to distribute python tasks across the network to different nodes

## When to Use ROH?

To distribute loads

## Let's see some python code

The following snippet shows some internals.

*the AMQP module*

```
channel_.exchange_declare(exchange='test_exchange_1', durable=True,
                           exchange_type="fanout") ①
result = channel_.queue_declare(queue='my_queue', durable=True)
queue_name = result.method.queue
channel_.queue_bind(exchange="test_exchange_1", queue=queue_name,
                    routing_key="") ②
channel_.basic_qos(prefetch_count=1)
channel_.basic_consume(on_message, queue=queue_name,
                      no_ack=False) ③
channel_.start_consuming()
```

① We define an exchange

② We bind a queue

③ We send the ACK

Name	Description
exchange	The exchange to bind to

queue	The queue to bind to
routing_key	The routing key to bind with
arguments	Other properties (construction arguments) for the binding
nowait	Do not wait for the response
callback	A callback method taking one argument, the bound queue
ticket	The ticket number