

# KIP-410: Add metric for request handler thread pool utilization by request type

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## Status

**Current state:** *[Under Discussion]*

**Discussion thread:** [here](#) *[Change the link from the KIP proposal email archive to your own email thread]*

**JIRA:** [KAFKA-7681](#)

Please keep the discussion on the mailing list rather than commenting on the wiki (wiki discussions get unwieldy fast).

## Motivation

When the request thread pool is saturated, it's often useful to know which type request is using the thread pool the most. It would be useful to add a metric per request type that gives us of fraction of the thread pool time (local time) used by that request.

## Public Interfaces

MBean :

```
kafka.network:type=RequestMetrics,name=RequestHandlerPoolUsagePercent,request=api_key_name
```

type: meter

value: Fraction of the time a particular request type spent on the request handler pool.

## Proposed Changes

*We will add the relevant metrics as specified in the Public Interfaces section.*

## Compatibility, Deprecation, and Migration Plan

*We are introducing new metrics so there is no compatibility impact.*

## Rejected Alternatives