package com.twitter.product\_mixer.core.functional\_component.common.alert.predicate

/\*\*

\* Specifies the metric granularity

\*

\* @see [[https://docbird.twitter.biz/mon/reference.html#predicate DURATION]]

\*/

sealed trait MetricGranularity { val unit: String }

/\*\*

\* Use minutely metrics and have alert durations in terms of minutes

\*

\* i.e. for a [[Predicate]] if [[Predicate.datapointsPastThreshold]] = 5 and [[Predicate.duration]] = 10

\* then the alert will trigger if there are at least 5 '''minutely''' metric points that are past the threshold

\* in any 10 '''minute''' period

\*/

case object Minutes extends MetricGranularity { override val unit: String = "m" }

/\*\*

\* Use hourly metrics and have alert durations in terms of hours

\*

\* i.e. for a [[Predicate]] if [[Predicate.datapointsPastThreshold]] = 5 and [[Predicate.duration]] = 10

\* then the alert will trigger if there are at least 5 '''hourly''' metric points that are past the threshold

\* in any 10 '''hour''' period

\*/

case object Hours extends MetricGranularity { override val unit: String = "h" }

/\*\*

\* Use daily metrics and have alert durations in terms of days

\*

\* i.e. for a [[Predicate]] if [[Predicate.datapointsPastThreshold]] = 5 and [[Predicate.duration]] = 10

\* then the alert will trigger if there are at least 5 '''daily''' metric points that are past the threshold

\* in any 10 '''day''' period

\*/

case object Days extends MetricGranularity { override val unit: String = "d" }