Autoscale Elasticsearch reindexing on K8S

Team

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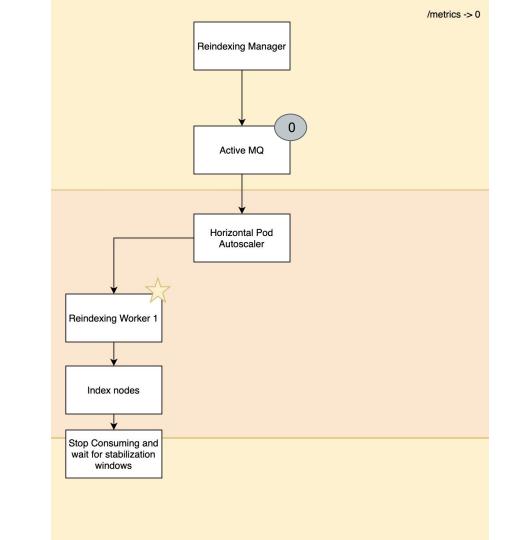
Roberto Franchini

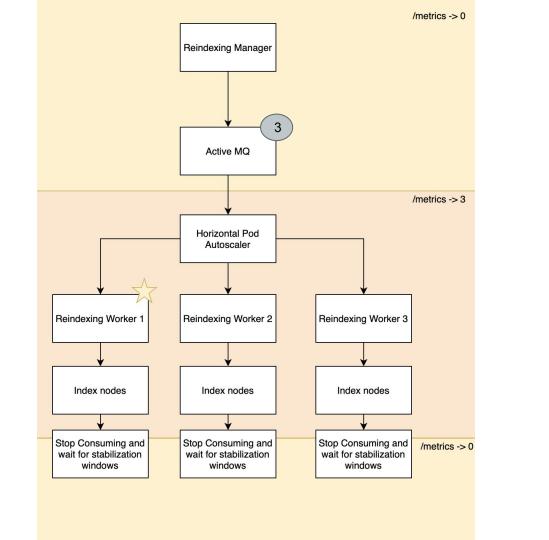
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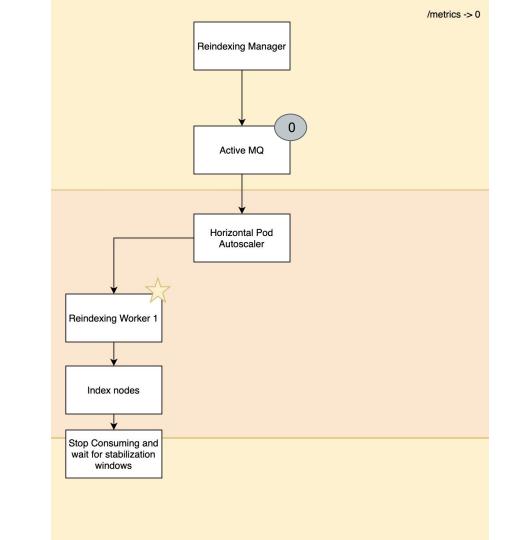
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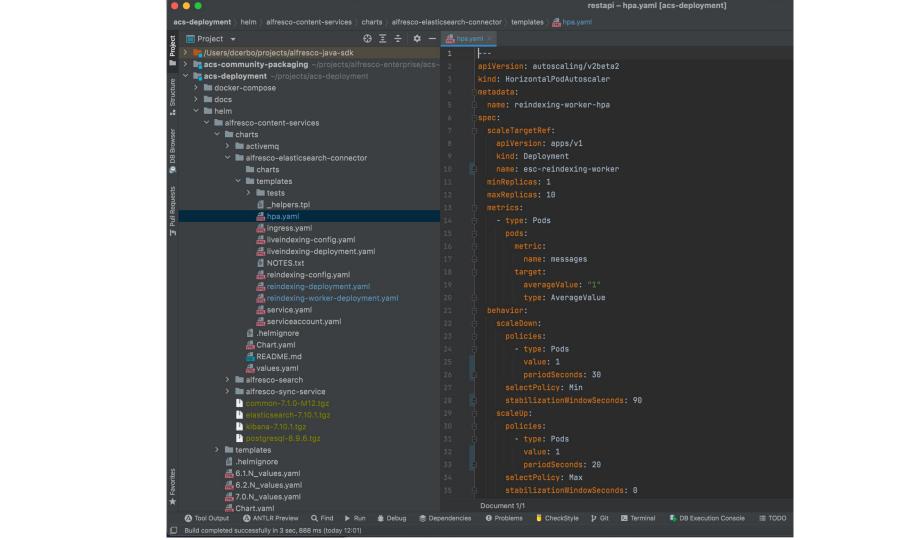
Scaling Elasticsearch reindexing based on partitions number.











```
public class ReindexingController {
 private final ReindexingService reindexingService;
 private final QueueMetricsService queueMetricsService;
 public ReindexingController(ReindexingService reindexingService, QueueMetricsService queueMetricsService) {
   this.reindexingService = reindexingService;
   this.queueMetricsService = queueMetricsService;
 @GetMapping("/reindex")
 public HttpStatus reindex() {
     reindexingService.reindex();
     return HttpStatus.OK;
   } catch (Exception e) {
     return HttpStatus.INTERNAL_SERVER_ERROR;
 @ResponseBody
 @RequestMapping(value="/metrics", produces="text/plain")
 public String metrics() {
       + "messages " + queueMetricsService.fetchPartitions();
```



Do you remember GraalVM?

(The previous hackathon)

Where we can apply the same concepts?

- Live indexing (Metadata, Path, Content events)
- Every event-driven service

Thanks https://github.com/learnk8s/spri ng-boot-k8s-hpa