Deploy do Zero - Plataforma de Estatística

,

## 1- Base elastic

OBS: Server onde estamos fazendo deploy: xxx.xxx.xxx.xxx :path/to/repo

* git clone <https://git.camvoip.com.br/foneatrnp/estatisticas/automated_databases_deploy.git>
* cd automated\_database\_deploy
* editar docker-compose.yml <= comentar 2a e 3a linha do serviço elasticsearch.volumes
* editar elasticsearch.yml <= comentar todas linhas que começam com xpack
* sudo docker-compose up -d (HAVERÁ ERRO DE CONEXAO ELASTIC -> KIBANA. IGNORAR)
* Rodar script de cópia de certificado
* sudo chmod 777 elastic-certificates.p12
* sudo chmod -R 777 docker-data-volumes/
* Desfazer os comentários feitos nos passos anteriores
* sudo docker-compose down
* sudo docker-compose up -d
* sudo docker exec -it es01 bash
* bin/elasticsearch-setup-passwords auto
* copia as senhas e cola em um arquivo de senhas fora do container

PASTE GENERATED PASSWORDS HERE

* Abre o kibana.yml e troca a senha do usuario kibana pra senha do usuário **kibana** que foi gerada acima, no campo **elasticsearch.password**
* sudo docker-compose down
* sudo docker-compose up
* acessa o kibana via web, e usa as credenciais do usuario **elastic** que foram geradas acima.
* No terminal do PC local, [baixar o arquivo export.ndjson](https://git.camvoip.com.br/foneatrnp/estatisticas/orquestrador/-/raw/locking_on_query/kibana/export.ndjson?inline=false) do repo do **orquestrador**, na pasta kibana, para popular o kibana com as visualizações utilizando a GUI, e dentro da aba **saved objects**.
* criar active index, para isso rodar [esse comando](https://git.camvoip.com.br/foneatrnp/estatisticas/orquestrador/-/blob/locking_on_query/kibana/active_index_mapping) no **dev\_tools.**

FIM  
  
  
Exemplos de queries DSL do Elasticsearch:  
#################################################

**## Getting the Mapping for col-\* index**

**#################################################**

**GET /active/\_mapping**

**#################################################**

**## Inserting the mapping for a new Index**

**#################################################**

**PUT /new-index-for-cru-data**

**{**

**"mappings": {**

**"properties": {**

**"DDD": {**

**"type": "integer"**

**},**

**"Date": {**

**"type": "keyword"**

**},**

**"Institution": {**

**"type": "keyword"**

**},**

**"Institution ID": {**

**"type": "integer"**

**},**

**"Institution name": {**

**"type": "keyword"**

**},**

**"IsForwarder": {**

**"type": "boolean"**

**},**

**"IsOrigin": {**

**"type": "boolean"**

**},**

**"IsTarget": {**

**"type": "boolean"**

**},**

**"LevelEquipment": {**

**"type": "integer"**

**},**

**"Number": {**

**"type": "integer"**

**},**

**"Peer": {**

**"type": "keyword"**

**},**

**"TypeEquipment": {**

**"type": "text"**

**},**

**"VersionEquipment": {**

**"type": "text"**

**},**

**"answered": {**

**"type": "boolean"**

**},**

**"callCompleted": {**

**"type": "boolean"**

**},**

**"callcase": {**

**"type": "keyword"**

**},**

**"completedViaFone": {**

**"type": "boolean"**

**},**

**"connectTime": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"connectTimeHR": {**

**"type": "date"**

**},**

**"consolidated": {**

**"type": "boolean"**

**},**

**"consolidationTimestamp": {**

**"type": "date"**

**},**

**"cost": {**

**"type": "float"**

**},**

**"disconnectTime": {**

**"type": "long"**

**},**

**"disconnectTimeHR": {**

**"type": "date"**

**},**

**"durationHR": {**

**"type": "text"**

**},**

**"durationInSecs": {**

**"type": "long"**

**},**

**"economy": {**

**"type": "float"**

**},**

**"fromTag": {**

**"type": "keyword"**

**},**

**"header": {**

**"properties": {**

**"fromTag": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"sipCallId": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"toTag": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**}**

**}**

**},**

**"originInfo": {**

**"properties": {**

**"DDD": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"Institution": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"InstitutionName": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"LevelEquipment": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"Number": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"Peer": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"TypeEquipment": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"VersionEquipment": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**}**

**}**

**},**

**"originNumPBXowned": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"path": {**

**"type": "text"**

**},**

**"setupTime": {**

**"type": "long"**

**},**

**"setupTimeHR": {**

**"type": "date"**

**},**

**"sipCallId": {**

**"type": "keyword"**

**},**

**"sipJustification": {**

**"type": "keyword"**

**},**

**"targetInfo": {**

**"properties": {**

**"DDD": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"Equipment": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"Institution": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"InstitutionName": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"Number": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"Peer": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"Type": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"versionEquipment": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**}**

**}**

**},**

**"targetNumPBXOwned": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"targetNumPSTNOwned": {**

**"type": "text",**

**"fields": {**

**"keyword": {**

**"type": "keyword",**

**"ignore\_above": 256**

**}**

**}**

**},**

**"toTag": {**

**"type": "keyword"**

**}**

**}**

**}**

**}**

**#################################################**

**## Delete Index**

**#################################################**

**DELETE /new-index-for-cru-data**

**##Trying to find examples of blank SetupTimeHR**

**GET consolidator-index/\_search**

**{"query": {"bool": {"filter": [**

**{"term": {**

**"setupTimeHR.keyword": "null"**

**}}**

**]}}}**

**## Getting the index-pattern**

**GET api/saved\_objects/**

**## UNCONSOLIDATOR ########################################**

**POST /col-\*/\_update\_by\_query?wait\_for\_completion=false**

**{"query": {"bool": {"filter": [**

**{"term": {**

**"consolidated.keyword": "true"**

**}}, {"range": {**

**"setupTime": {**

**"gte": 1443525834000,**

**"lte": 1632884400000**

**}**

**}}**

**]}}, "script": {**

**"source": "ctx.\_source.consolidated = \"false\";",**

**"lang": "painless"**

**}}**

**#mGI4mbrqSwaIKjJoGPRE6A:10158923044**

**## Update consolidated tickets with originInstitution=792 (institution CNPTIA id\_estatistica 792 não estava na base mySQL)**

**GET /consolidator-index2/\_search**

**{**

**"query": {**

**"bool": {**

**"filter": [**

**{**

**"term": {**

**"originInfo.Institution.keyword": "792"**

**}**

**}**

**]**

**}**

**}**

**}**

**#######################################################**

**### Get all tickets for IDinstituicao=9117**

**POST /col-\*/\_search**

**{**

**"query": {**

**"bool": {**

**"filter": [**

**{**

**"terms": {**

**"FIELD": [**

**"VALUE1",**

**"VALUE2"**

**]**

**}**

**}**

**]**

**}**

**},"size": 0,**

**"aggs": {**

**"ips": {**

**"terms": {**

**"field": "IP\_Address.keyword",**

**"size": 20000**

**}**

**}**

**}**

**}**

**# Task checker**

**GET \_tasks/mGI4mbrqSwaIKjJoGPRE6A:10158923044**

**#Getting SipCallIDs for a given time range for CRU and COOKED data (change uniqueSips aggregation accordingly)**

**POST /consolidator-index/\_search**

**{**

**"query": {**

**"bool": {**

**"filter": [**

**{**

**"range": {**

**"setupTime": {**

**"gte": 1609470000000,**

**"lte": 1609642799000**

**}**

**}**

**}**

**]**

**}**

**},**

**"size": 0,**

**"aggs": {**

**"uniqueSips": {**

**"terms": {**

**"field": "header.sipCallId.keyword",**

**"size": 2000**

**}**

**}**

**}**

**}**

**#Find ticket by sipCallId**

**POST /consolidator-index/\_search**

**{"query": {"bool": {"filter": [**

**{"term": {**

**"header.sipCallId.keyword": "008537a8209fde3a724daedf02242c61@200.130.77.45:5060"**

**}}**

**]}}}**

**#Delete ticket by sipCallId**

**POST /consolidator-index/\_delete\_by\_query**

**{"query": {"bool": {"filter": [**

**{"term": {**

**"header.sipCallId.keyword": "0019df075ae1f1862dab4f111264c31f@200.18.165.249:5071"**

**}}**

**]}}}**

**#Getting count of unique SipCallIDs for a given time range - CRU x COOKED (change countSips aggregation and the indexName accordingly)**

**POST /consolidator-index/\_search**

**{**

**"query": {**

**"bool": {**

**"filter": [**

**{**

**"range": {**

**"setupTime": {**

**"gte": 1609470000000,**

**"lte": 1609642799000**

**}**

**}**

**}**

**]**

**}**

**},"size": 0,"aggs": {**

**"countSips": {**

**"cardinality": {**

**"field": "header.sipCallId.keyword"**

**}**

**}**

**}**

**}**

**#Count UNCONSOLIDATED tickets for a given time range**

**POST /col-\*/\_count**

**{**

**"query": {**

**"bool": {**

**"filter": [**

**{**

**"range": {**

**"setupTime": {**

**"gte": 1609470000000,**

**"lte": 1609642799000**

**}**

**}**

**},{"term": {**

**"consolidated": "false"**

**}}**

**]**

**}**

**}**

**}**

**POST /col-\*/\_update\_by\_query?wait\_for\_completion=false&conflicts=proceed**

**{"query": {"bool": {"filter": [**

**{"term": {**

**"consolidated.keyword": "true"**

**}}, {"range": {**

**"setupTimeHR": {**

**"gte": "2018-01-01T00:00:00",**

**"lte": "2021-07-09T00:00:00"**

**}**

**}}**

**]}}, "script": {**

**"source": "ctx.\_source.consolidated = \"false\";",**

**"lang": "painless"**

**}}**

**GET col-\*/\_count**

**{"query": {"bool": {"filter": [**

**{"range": {**

**"setupTimeHR": {**

**"gte": "2019-01-01T00:00:00",**

**"lte": "2021-07-09T00:00:00"**

**}**

**}}**

**]}}}**

**GET active-teste\*/\_search**

**{"query": {"bool": {"filter": [**

**{"range": {**

**"Date": {**

**"gte": "2019-01-01T00:00:00",**

**"lte": "2021-07-09T23:59:59"**

**}**

**}}**

**]}}}**

**POST custo\_evitado\_consolidado/\_search**

**{"query": {"bool": {"must\_not": [**

**{"term": {**

**"sipCallId": {**

**"value": ""**

**}**

**}}**

**]}}}**

**############################ Delete all from custo\_evitado\_consolidado**

**POST custo\_evitado\_consolidado/\_delete\_by\_query?wait\_for\_completion=false**

**{"query": {"bool": {"must\_not": [**

**{"term": {**

**"sipCallId": {**

**"value": ""**

**}**

**}}**

**]}}}**

**# Task checker**

**GET \_tasks/mGI4mbrqSwaIKjJoGPRE6A:2269573988**

**#########################**

**GET /col-\*/\_search**

**{**

**"size": 0,**

**"query": {**

**"bool": {**

**"filter": [**

**{**

**"range": {**

**"setupTimeHR": {**

**"gte": "2021-04-01T17:15:46Z",**

**"lte": "2021-04-30T17:15:46Z"**

**}**

**}**

**},**

**{**

**"term": {**

**"consolidated": false**

**}**

**}**

**]**

**}**

**},**

**"aggs": {**

**"get\_unique\_tuples": {**

**"terms": {**

**"script": {**

**"source": "doc['sipCallId.keyword'].value+'|'+doc['fromTag.keyword'].value+'|'+doc['toTag.keyword'].value",**

**"lang": "painless"**

**},**

**"size": 1**

**}**

**}**

**}**

**}**

**GET \_nodes/stats**

**GET col-\*/\_search**

**{**

**"query": {**

**"match\_all": {}**

**},**

**"size": 0,**

**"aggs": {**

**"uniqueSips": {**

**"terms": {**

**"script": {**

**"source": "doc['sipCallId.keyword'].value+'|'+doc['fromTag.keyword'].value+'|'+doc['toTag.keyword'].value",**

**"lang": "painless"**

**},**

**"size": 10**

**}**

**}**

**}**

**}**

**POST /col--srl-26-05-2021/\_pit?keep\_alive=10m**

**GET /\_search**

**{**

**"query": {**

**"match\_all": {}**

**},**

**"pit": {**

**"id": "p66xAwETY29sLS1zcmwtMjYtMDUtMjAyMRZIY3FYZGtkdVJ0MlVUenpWejZJMllnABZtR0k0bWJycVN3YUlLakpvR1BSRTZBAAAAAAADvg10FkZmdGlRM3FSUUZhRGNJdm1McUp3QVEBFkhjcVhka2R1UnQyVVR6elZ6NkkyWWcAAA==",**

**"keep\_alive": "10m"**

**},**

**"size": 0,**

**"aggs": {**

**"sips": {**

**"terms": {**

**"field": "sipCallId.keyword",**

**"size": 1,**

**"order": {**

**"\_key": "asc"**

**}**

**}**

**}**

**}**

**}**

**POST \_sql?format=txt**

**{"query": """**

**SELECT sipCallId AS id, COUNT(DISTINCT originInstitution) AS origin from "col-\*" GROUP BY sipCallId HAVING (origin > 1)**

**"""}**

**GET col-\*/\_search**

**{**

**"query": {**

**"script": {**

**"script": {**

**"source": """boolean compare(Supplier s, def v) {return s.get() == v;}compare(() -> { def m = /(col-)([\w-]\*)(-[\w]{3}-[0-9-]\*)/.matcher(doc['\_index'].value);**

**if ( m.matches() ) {**

**return m.group(2)**

**} else {**

**return 'No Match'**

**} }, params.value);""",**

**"lang": "painless",**

**"params": {**

**"value": "rnp-homologacao"**

**}**

**}**

**}**

**}**

**}**

**GET col-\*/\_search**

**{"query":{"regexp": {**

**"originNumber": "[a-zA-Z]\*"**

**}}, "aggs": {**

**"uniqueNumbers": {**

**"terms": {**

**"field": "targetNumber.keyword",**

**"size": 200**

**}**

**}**

**}, "size":0}**

**GET col-\*/\_search**

**{"query": {"bool": {"must\_not": [**

**{"term": {**

**"fromPeer.keyword": {**

**"value": ""**

**}**

**}}**

**]}},"size": 0, "aggs": {**

**"aggregateSipCallID": {**

**"terms": {**

**"field": "sipCallId.keyword",**

**"size": 50000**

**}**

**}**

**}}**

**GET col-\*/\_search**

**{"query": {"bool": {"filter": [**

**{"term": {**

**"consolidated": "false"**

**}}**

**]}}}**

**GET consolidator-index/\_search**

**{**

**"query": {"query\_string": {**

**"default\_field": "\_id.keyword",**

**"query": "NULL"**

**}}**

**}**

**#Grab earliest and latest dates for tickets which have not been consolidated yet.**

**GET col-\*/\_search**

**{**

**"query": {**

**"bool": {"filter": [**

**{"term": {**

**"consolidated": "false"**

**}}**

**]}**

**},**

**"size": 0,**

**"aggs": {**

**"earliest\_date": {**

**"min": {**

**"field": "setupTimeHR"**

**}**

**},**

**"latest\_date": {**

**"max": {**

**"field": "setupTimeHR"**

**}**

**}**

**}**

**}**