

## 5.1

-----  
logstash-desafio.conf

```
input {
  #file {
  #   path => "/home/elk/Downloads/Desafio/app.log"
  #   start_position => "beginning"
  #   sincedb_clean_after => "1 s"
  #}
  beats {
    port => 5044
  }
}

filter {
  csv {
    skip_header => true
    separator => ";"
    columns =>
["nome","endereco","ocupacao","depto","email","salario"]
  }

  mutate {
    split => { "email" => "@" }
    add_field => { "id" => "%{[email][0]}" }
  }

  mutate {
    split => { "endereco" => "/" }
    add_field => { "UF" => "%{[endereco][-1]}" }
  }

  mutate {
    strip => ["UF"]
    join => { "endereco" => "-" }
    add_field => { "autor" => "Rafael Peres Rubira"}
    remove_field => ["host", "@version", "message", "path",
"agent"]
  }

  mutate {
    split => { "nome" => " " }
  }

  if "." in [nome][0] {
    mutate {
      add_field => { "primeironome" => "%{[nome][1]}" }
    }
  }
  else
  {

```

```

      mutate {
        add_field => { "primeironome" => "%{[nome][0]}" }
      }

      mutate {
        add_field => { "sobrenome" => "%{[nome][-1]}" }
        convert => { "salario" => "float" }
      }
    }

  output {
    stdout {}

    elasticsearch {
      hosts => "http://127.0.0.1:9200"
      user => "elk"
      password => "elk"
      index => "app"
      action => "index"
    }
  }
}

```

-----

filebeat.yml

##### Filebeat Configuration Example  
#####

# This file is an example configuration file highlighting only the most common  
# options. The filebeat.reference.yml file from the same directory contains all the  
# supported options with more comments. You can use it as a reference.

#  
# You can find the full configuration reference here:  
# <https://www.elastic.co/guide/en/beats/filebeat/index.html>

# For more available modules and options, please see the filebeat.reference.yml sample  
# configuration file.

# ===== Filebeat inputs  
=====

filebeat.inputs:

# Each - is an input. Most options can be set at the input level, so  
# you can use different inputs for various configurations.  
# Below are the input specific configurations.

```

# filestream is an input for collecting log messages from files.
- type: log

# Change to true to enable this input configuration.
enabled: true

# Paths that should be crawled and fetched. Glob based paths.
paths:
- /home/elk/Downloads/Desafio/app.log
  #- /var/log/nginx/access.log
  #- c:\programdata\elasticsearch\logs\*

# Exclude lines. A list of regular expressions to match. It drops
the lines that are
# matching any regular expression from the list.
#exclude_lines: ['^DBG']

# Include lines. A list of regular expressions to match. It exports
the lines that are
# matching any regular expression from the list.
#include_lines: ['^ERR', '^WARN']

# Exclude files. A list of regular expressions to match. Filebeat
drops the files that
# are matching any regular expression from the list. By default, no
files are dropped.
#prospector.scanner.exclude_files: ['.gz$']

# Optional additional fields. These fields can be freely picked
# to add additional information to the crawled log files for
filtering
#fields:
#  level: debug
#  review: 1

# ===== Filebeat modules
=====

#filebeat.config.modules:
# Glob pattern for configuration loading
#path: ${path.config}/modules.d/*.yaml

# Set to true to enable config reloading
#reload.enabled: false

# Period on which files under path should be checked for changes
#reload.period: 10s

# ===== Elasticsearch template setting
=====

setup.template.settings:
  index.number_of_shards: 1
  #index.codec: best_compression

```

```

#_source.enabled: false

# ===== General
=====

# The name of the shipper that publishes the network data. It can be
used to group
# all the transactions sent by a single shipper in the web interface.
#name:

# The tags of the shipper are included in their own field with each
# transaction published.
#tags: ["service-X", "web-tier"]

# Optional fields that you can specify to add additional information
to the
# output.
#fields:
# env: staging

# ===== Dashboards
=====
# These settings control loading the sample dashboards to the Kibana
index. Loading
# the dashboards is disabled by default and can be enabled either by
setting the
# options here or by using the `setup` command.
#setup.dashboards.enabled: false

# The URL from where to download the dashboards archive. By default
this URL
# has a value which is computed based on the Beat name and version.
For released
# versions, this URL points to the dashboard archive on the
artifacts.elastic.co
# website.
#setup.dashboards.url:

# ===== Kibana
=====

# Starting with Beats version 6.0.0, the dashboards are loaded via
the Kibana API.
# This requires a Kibana endpoint configuration.
setup.kibana:

# Kibana Host
# Scheme and port can be left out and will be set to the default
(http and 5601)
# In case you specify an additional path, the scheme is required:
http://localhost:5601/path
# IPv6 addresses should always be defined as: https://\[2001:db8::1\]:5601
#host: "localhost:5601"

```

```

# Kibana Space ID
# ID of the Kibana Space into which the dashboards should be
loaded. By default,
# the Default Space will be used.
#space.id:

# ===== Elastic Cloud
=====

# These settings simplify using Filebeat with the Elastic Cloud
(https://cloud.elastic.co/).

# The cloud.id setting overwrites the `output.elasticsearch.hosts`
and
# `setup.kibana.host` options.
# You can find the `cloud.id` in the Elastic Cloud web UI.
#cloud.id:

# The cloud.auth setting overwrites the
`output.elasticsearch.username` and
# `output.elasticsearch.password` settings. The format is
`<user>:<pass>`.
#cloud.auth:

# ===== Outputs
=====

# Configure what output to use when sending the data collected by the
beat.

# ----- Elasticsearch Output
-----
#output.elasticsearch:
# Array of hosts to connect to.
#hosts: ["127.0.0.1:9200"]

# Protocol - either `http` (default) or `https`.
#protocol: "https"

# Authentication credentials - either API key or username/password.
#api_key: "id:api_key"
#username: "elk"
#password: "elk"

# ----- Logstash Output
-----
output.logstash:
# The Logstash hosts
hosts: ["127.0.0.1:5044"]

# Optional SSL. By default is off.
# List of root certificates for HTTPS server verifications
#ssl.certificate_authorities: ["/etc/pki/root/ca.pem"]

```

```

# Certificate for SSL client authentication
#ssl.certificate: "/etc/pki/client/cert.pem"

# Client Certificate Key
#ssl.key: "/etc/pki/client/cert.key"

# ===== Processors
=====
processors:
  - add_host_metadata:
      when.not.contains.tags: forwarded
  - add_cloud_metadata: ~
  - add_docker_metadata: ~
  - add_kubernetes_metadata: ~

# ===== Logging
=====

# Sets log level. The default log level is info.
# Available log levels are: error, warning, info, debug
#logging.level: debug

# At debug level, you can selectively enable logging only for some
# components.
# To enable all selectors use ["*"]. Examples of other selectors are
# "beat",
# "publisher", "service".
#logging.selectors: ["*"]

# ===== X-Pack Monitoring
=====
# Filebeat can export internal metrics to a central Elasticsearch
# monitoring
# cluster. This requires xpack monitoring to be enabled in
# Elasticsearch. The
# reporting is disabled by default.

# Set to true to enable the monitoring reporter.
#monitoring.enabled: false

# Sets the UUID of the Elasticsearch cluster under which monitoring
# data for this
# Filebeat instance will appear in the Stack Monitoring UI. If
# output.elasticsearch
# is enabled, the UUID is derived from the Elasticsearch cluster
# referenced by output.elasticsearch.
#monitoring.cluster_uuid:

# Uncomment to send the metrics to Elasticsearch. Most settings from
# the
# Elasticsearch output are accepted here as well.
# Note that the settings should point to your Elasticsearch
# *monitoring* cluster.
# Any setting that is not set is automatically inherited from the
# Elasticsearch

```

```
# output configuration, so if you have the Elasticsearch output
configured such
# that it is pointing to your Elasticsearch monitoring cluster, you
can simply
# uncomment the following line.
#monitoring.elasticsearch:
```

```
# ===== Instrumentation
=====
```

```
# Instrumentation support for the filebeat.
```

```
#instrumentation:
```

```
  # Set to true to enable instrumentation of filebeat.
```

```
  #enabled: false
```

```
  # Environment in which filebeat is running on (eg: staging,
production, etc.)
```

```
  #environment: ""
```

```
  # APM Server hosts to report instrumentation results to.
```

```
  #hosts:
```

```
  # - http://localhost:8200
```

```
  # API Key for the APM Server(s).
```

```
  # If api_key is set then secret_token will be ignored.
```

```
  #api_key:
```

```
  # Secret token for the APM Server(s).
```

```
  #secret_token:
```

```
# ===== Migration
=====
```

```
# This allows to enable 6.7 migration aliases
```

```
#migration.6_to_7.enabled: true
```

```
seccomp.enabled: true
```

```
seccomp:
```

```
  default_action: allow
```

```
-----
-----
```

Consultas:

1)

GET app/\_count

```
-----
```

```
{
  "count" : 9,
  "_shards" : {
```

```
    "total" : 1,
    "successful" : 1,
    "skipped" : 0,
    "failed" : 0
  }
}
```

---

2)  
GET app/\_mapping

---

```
{
  "app" : {
    "mappings" : {
      "properties" : {
        "@timestamp" : {
          "type" : "date"
        },
        "UF" : {
          "type" : "text",
          "fields" : {
            "keyword" : {
              "type" : "keyword",
              "ignore_above" : 256
            }
          }
        },
        "autor" : {
          "type" : "text",
          "fields" : {
            "keyword" : {
              "type" : "keyword",
              "ignore_above" : 256
            }
          }
        },
        "depto" : {
          "type" : "text",
          "fields" : {
            "keyword" : {
              "type" : "keyword",
              "ignore_above" : 256
            }
          }
        },
        "email" : {
          "type" : "text",
          "fields" : {
            "keyword" : {
              "type" : "keyword",
              "ignore_above" : 256
            }
          }
        }
      }
    }
  }
}
```



```

},
"endereco" : {
  "type" : "text",
  "fields" : {
    "keyword" : {
      "type" : "keyword",
      "ignore_above" : 256
    }
  }
},
"event" : {
  "properties" : {
    "original" : {
      "type" : "text",
      "fields" : {
        "keyword" : {
          "type" : "keyword",
          "ignore_above" : 256
        }
      }
    }
  }
},
"id" : {
  "type"strip => ["UF"] : "text",
  "fields" : {
    "keyword" : {
      "type" : "keyword",
      "ignore_above" : 256
    }
  }
},
"log" : {
  "properties" : {
    "file" : {
      "properties" : {
        "path" : {
          "type" : "text",
          "fields" : {
            "keyword" : {
              "type" : "keyword",
              "ignore_above" : 256
            }
          }
        }
      }
    }
  }
},
"nome" : {
  "type" : "text",
  "fields" : {
    "keyword" : {
      "type" : "keyword",
      "ignore_above" : 256
    }
  }
}

```

```

    }
  },
  "ocupacao" : {
    "type" : "text",
    "fields" : {
      "keyword" : {
        "type" : "keyword",
        "ignore_above" : 256
      }
    }
  },
  "primeironome" : {
    "type" : "text",
    "fields" : {
      "keyword" : {
        "type" : "keyword",
        "ignore_above" : 256
      }
    }
  },
  "salario" : {
    "type" : "text",
    "fields" : {
      "keyword" : {
        "type" : "keyword",
        "ignore_above" : 256
      }
    }
  },
  "sobrenome" : {
    "type" : "text",
    "fields" : {
      "keyword" : {
        "type" : "keyword",
        "ignore_above" : 256
      }
    }
  }
}

```

3) O documento completo do maior e do menor salário

GET app/ search

```
{
  "size":0,
  "aggs" :
  {
    "Salário máximo":
    {
      "terms":
      {
```

```

        "field": "salario",
        "order": {"_key": "desc"},
    "size": 1
    },
    "aggs":
    {
        "hit":
        {
            "top_hits":
            {
                "size": 10
            }
        }
    }
},
"Salário mínimo":
{
    "terms":
    {
        "field": "salario",
        "order": {"_key": "asc"},
    "size": 1
    },
    "aggs":
    {
        "hit":
        {
            "top_hits":
            {
                "size": 10
            }
        }
    }
}
}
}
}

```

```

-----

{
  "took" : 112,
  "timed_out" : false,
  "_shards" : {
    "total" : 1,
    "successful" : 1,
    "skipped" : 0,
    "failed" : 0
  },
  "hits" : {
    "total" : {
      "value" : 9,
      "relation" : "eq"
    },
    "max_score" : null,
    "hits" : [ ]
  }
}

```

```

},
"aggregations" : {
  "Salário mínimo" : {
    "doc_count_error_upper_bound" : 0,
    "sum_other_doc_count" : 8,
    "buckets" : [
      {
        "key" : 2944.966064453125,
        "doc_count" : 1,
        "hit" : {
          "hits" : {
            "total" : {
              "value" : 1,
              "relation" : "eq"
            },
            "max_score" : 1.0,
            "hits" : [
              {
                "_index" : "app",
                "_id" : "xpmtGYBY0_L6ZC3dPRZ",
                "_score" : 1.0,
                "_source" : {
                  "email" : [
                    "anovaes",
                    "example.org"
                  ],
                  "endereco" : "Rodovia de Costela, 377,Havaí,
83710-584 Costa - RR",
                  "nome" : [
                    "Stephany",
                    "Gonçalves"
                  ],
                  "ocupacao" : "Co-piloto",
                  "id" : "anovaes",
                  "primeironome" : "Stephany",
                  "@timestamp" : "2023-02-03T23:47:21.543894Z",
                  "event" : {
                    "original" : "Stephany Gonçalves;Rodovia de
Costela, 377,Havaí,83710-584 Costa / RR;Co-
piloto;Financeiro;anovaes@example.org;2944.9659576521226"
                  },
                  "autor" : "Rafael Peres Rubira",
                  "sobrenome" : "Gonçalves",
                  "UF" : "RR",
                  "salario" : 2944.9659576521226,
                  "depto" : "Financeiro",
                  "log" : {
                    "file" : {
                      "path" : "/home/elk/Downloads/Desafio/
app.log"
                    }
                  }
                }
              }
            ]
          }
        }
      }
    ]
  }
}

```

```

    }
  }
]
},
"Salário máximo" : {
  "doc_count_error_upper_bound" : 0,
  "sum_other_doc_count" : 8,
  "buckets" : [
    {
      "key" : 9385.1953125,
      "doc_count" : 1,
      "hit" : {
        "hits" : {
          "total" : {
            "value" : 1,
            "relation" : "eq"
          },
          "max_score" : 1.0,
          "hits" : [
            {
              "_index" : "app",
              "_id" : "xJmtGYYBy0_L6ZC3dPRY",
              "_score" : 1.0,
              "_source" : {
                "email" : [
                  "mirellacastro",
                  "example.com"
                ],
                "endereco" : "Chácara Barbosa, 54,Jardim
Montanhês,07806090 Pinto de Goiás - MG",
                "nome" : [
                  "Catarina",
                  "Santos"
                ],
                "ocupacao" : "Apicultor",
                "id" : "mirellacastro",
                "primeironome" : "Catarina",
                "@timestamp" : "2023-02-03T23:47:21.542446Z",
                "event" : {
                  "original" : "Catarina Santos;Chácara Barbosa,
54,Jardim Montanhês,07806090 Pinto de Goiás /
MG;Apicultor;TI;mirellacastro@example.com;9385.194992902976"
                },
                "autor" : "Rafael Peres Rubira",
                "sobrenome" : "Santos",
                "UF" : "MG",
                "salario" : 9385.194992902976,
                "depto" : "TI",
                "log" : {
                  "file" : {
                    "path" : "/home/elk/Downloads/Desafio/
app.log"
                  }
                }
              }
            }
          ]
        }
      }
    }
  ]
}

```

.....

-----

```

"group_by_category" : {
  "doc_count_error_upper_bound" : 0,
  "sum_other_doc_count" : 0,
  "buckets" : [
    {
      "key" : "RH",
      "doc_count" : 74,
      "average_amount" : {
        "value" : 5301.956966915646
      }
    },
    {
      "key" : "Financeiro",
      "doc_count" : 73,
      "average_amount" : {
        "value" : 5991.740170831549
      }
    },
    {
      "key" : "Marketing",
      "doc_count" : 60,
      "average_amount" : {
        "value" : 5770.653920491536
      }
    },
    {
      "key" : "TI",
      "doc_count" : 46,
      "average_amount" : {
        "value" : 5990.7877197265625
      }
    }
  ]
}
}

```

-----

5) Qual foi o nome, email e cargo das pessoas da região Sul que não trabalham no RH e TI.

GET app/\_search

```

{
  "_source": [
    "nome",
    "email",
    "ocupacao"
  ],
  "query": {
    "bool": {
      "should" : [
        { "match" : { "UF" : "PR" } },
        { "match" : { "UF" : "SC" } },

```

```

    { "match" : { "UF" : "RS" } }
  ],
  "must_not": [
    {
      "bool": {
        "filter": [
          {
            "term": {
              "depto.keyword": "RH"
            }
          },
          {
            "term": {
              "depto.keyword": "TI"
            }
          }
        ]
      }
    }
  ]
}

```

```

-----

{
  "took" : 9,
  "timed_out" : false,
  "_shards" : {
    "total" : 1,
    "successful" : 1,
    "skipped" : 0,
    "failed" : 0
  },
  "hits" : {
    "total" : {
      "value" : 18,
      "relation" : "eq"
    },
    "max_score" : 4.337802,
    "hits" : [
      {
        "_index" : "app",
        "_id" : "_5Br0IYB-F4Qrcc3-vxS",
        "_score" : 4.337802,
        "_source" : {
          "ocupacao" : "Engenheiro acústico",
          "nome" : [
            "Ana",
            "Lívia",
            "Porto"
          ],
          "email" : [
            "zdias",

```



```

        "example.org"
    ]
}
},
{
    "_index" : "app",
    "_id" : "XZBr0IYB-F4Qrcc3-_1E",
    "_score" : 4.337802,
    "_source" : {
        "ocupacao" : "Assistente de produção",
        "nome" : [
            "Marina",
            "Araújo"
        ],
        "email" : [
            "lfogaca",
            "example.net"
        ]
    }
},
{
    "_index" : "app",
    "_id" : "dJBv0IYB-F4Qrcc3gP3G",
    "_score" : 4.337802,
    "_source" : {
        "ocupacao" : "Técnico em radiologia",
        "nome" : [
            "Isadora",
            "Azevedo"
        ],
        "email" : [
            "joao-miguel94",
            "example.net"
        ]
    }
},
{
    "_index" : "app",
    "_id" : "AZBr0IYB-F4Qrcc3-v1S",
    "_score" : 3.8822737,
    "_source" : {
        "ocupacao" : "Engenheiro de transportes",
        "nome" : [
            "Lorenzo",
            "Monteiro"
        ],
        "email" : [
            "limaryan",
            "example.com"
        ]
    }
},
{
    "_index" : "app",
    "_id" : "BpBr0IYB-F4Qrcc3-v1S",

```

```

    "_score" : 3.8822737,
    "_source" : {
      "ocupacao" : "Acupunturista",
      "nome" : [
        "Joana",
        "Ramos"
      ],
      "email" : [
        "ubarro",
        "example.net"
      ]
    }
  },
  {
    "_index" : "app",
    "_id" : "W5Br0IYB-F4Qrcc3-_1E",
    "_score" : 3.8822737,
    "_source" : {
      "ocupacao" : "Policia civil",
      "nome" : [
        "Vicente",
        "Duarte"
      ],
      "email" : [
        "correiamilena",
        "example.org"
      ]
    }
  },
  {
    "_index" : "app",
    "_id" : "aZBr0IYB-F4Qrcc3-_1E",
    "_score" : 3.8822737,
    "_source" : {
      "ocupacao" : "Engenheiro de processos",
      "nome" : [
        "Livia",
        "Barbosa"
      ],
      "email" : [
        "davi-lucas61",
        "example.org"
      ]
    }
  },
  {
    "_index" : "app",
    "_id" : "mpBv0IYB-F4Qrcc3gf1T",
    "_score" : 3.8822737,
    "_source" : {
      "ocupacao" : "Tecnólogo em irrigação e drenagem",
      "nome" : [
        "Camila",
        "Viana"
      ],
    },
  },

```

```

        "email" : [
            "isaac07",
            "example.com"
        ]
    },
    {
        "_index" : "app",
        "_id" : "75Br0IYB-F4Qrcc3-fzb",
        "_score" : 3.2305782,
        "_source" : {
            "ocupacao" : "Diretor de fotografia",
            "nome" : [
                "Raul",
                "Costa"
            ],
            "email" : [
                "marcos-viniciusda-mota",
                "example.com"
            ]
        }
    },
    {
        "_index" : "app",
        "_id" : "9pBr0IYB-F4Qrcc3-fzb",
        "_score" : 3.2305782,
        "_source" : {
            "ocupacao" : "Construtor",
            "nome" : [
                "Bruno",
                "Sales"
            ],
            "email" : [
                "da-conceicaoanthony",
                "example.com"
            ]
        }
    }
]
}
}

```

-----

6) Considerando que a cotação do dólar é R\$ 5.10, repetir o item 5.2.4 em dólar.

```

GET app/_search
{
  "size":0,
  "runtime_mappings": {
    "price.dolar": {
      "type": "double",
      "script": {

```

```

        "source": ""
        emit(doc['salario'].value * params.conversion_rate)
        """,
        "params": {
            "conversion_rate": 5.10
        }
    }
},
"aggs": {
    "group_by_category": {
        "terms": {
            "field": "depto.keyword"
        },
        "aggs": {
            "average_amount": {
                "avg": {
                    "field": "price.dolar"
                }
            }
        }
    }
}
}

```

```

-----

{
  "took" : 116,
  "timed_out" : false,
  "_shards" : {
    "total" : 1,
    "successful" : 1,
    "skipped" : 0,
    "failed" : 0
  },
  "hits" : {
    "total" : {
      "value" : 258,
      "relation" : "eq"
    },
    "max_score" : null,
    "hits" : [ ]
  },
  "aggregations" : {
    "group_by_category" : {
      "doc_count_error_upper_bound" : 0,
      "sum_other_doc_count" : 0,
      "buckets" : [
        {
          "key" : "RH",
          "doc_count" : 74,
          "average_amount" : {
            "value" : 27039.980531269794
          }
        }
      ]
    }
  }
}

```

```

    },
    {
      "key" : "Financeiro",
      "doc_count" : 73,
      "average_amount" : {
        "value" : 30557.874871240903
      }
    },
    {
      "key" : "Marketing",
      "doc_count" : 60,
      "average_amount" : {
        "value" : 29430.334994506837
      }
    },
    {
      "key" : "TI",
      "doc_count" : 46,
      "average_amount" : {
        "value" : 30553.017370605467
      }
    }
  ]
}
}
}
}

```

-----

7) Mostrar um relatório contendo a quantidade de documentos gerados por minuto dos colaboradores de TI.

:(

GET app/\_search

```

{
  "aggs": {
    "Trafego por minuto": {
      "date_histogram": {
        "field": "@timestamp",
        "interval": "hour"
      },
      "aggs": {
        "Nr documentos": {
          "value_count": {
            "depto.keyword": "TI"
          }
        }
      }
    }
  },
  "query": {
    "bool": {
      "must": [

```

```

    {
      "term": {
        "depto.keyword": "TI"
      }
    }
  ]
}
}
}

```

-----  
-----

app.log

nome;endereco;ocupacao;depto;email;salario  
 Isadora Azevedo;Passarela Maria Eduarda da Cruz, 18,João Pinheiro,  
 70141-776 Souza de da Costa / RS;Técnico em  
 radiologia;Marketing;[joao-miguel94@example.net](mailto:joao-miguel94@example.net);3931.2464466275405  
 Luiza Santos;Chácara Daniela Farias, 660,Conjunto Floramar,15263-707  
 Araújo / RR;Jogador de boliche;Marketing;[natalia86@example.net](mailto:natalia86@example.net);  
 3283.457153674194  
 Dr. Levi Ferreira;Trecho Yuri Oliveira, 1,Granja De Freitas,08309-435  
 Martins / PA;Cancerologista ou Oncologista;RH;[bmoura@example.org](mailto:bmoura@example.org);  
 4979.708506789738  
 Sra. Julia da Rocha;Avenida de Moura, 97,Vila Barragem Santa Lúcia,  
 50966-175 Nunes / PB;Biomédico;TI;[souzaana-clara@example.com](mailto:souzaana-clara@example.com);  
 8079.376944786482  
 Eduarda Teixeira;Residencial Carvalho, 10,Granja De Freitas,85975375  
 Jesus das Pedras / PA;Clínico geral;RH;[nteixeira@example.net](mailto:nteixeira@example.net);  
 7030.172596740308  
 Joana Carvalho;Vila Rafael Martins, 25,Nova America,11261845 Farias  
 do Galho / PE;Urologista;RH;[leonardo02@example.com](mailto:leonardo02@example.com);7519.49542792508  
 Enzo Gabriel Azevedo;Rodovia de Santos,Mariquinhas,82652-055  
 Fernandes / BA;Embalador;Marketing;[csouza@example.net](mailto:csouza@example.net);  
 8295.630475354308  
 Isabel Jesus;Núcleo de Araújo, 167,São Francisco Das Chagas,89174-337  
 Jesus / ES;Engenheiro de minas;Financeiro;[scunha@example.com](mailto:scunha@example.com);  
 6430.047803219422  
 Ryan Nogueira;Colônia Costa, 16,Custodinha,66860040 Costela /  
 RJ;Urbanista;RH;[kamillynascimento@example.net](mailto:kamillynascimento@example.net);7192.084644752299  
 Dra. Fernanda da Mata;Ladeira de Costela, 27,Marilandia,75671186  
 Correia / PB;Bóia-fria;RH;[brunamendes@example.net](mailto:brunamendes@example.net);1375.3418583704085  
 Thiago Ribeiro;Fazenda Maria Julia Rocha, 43,Solimoes,83924-253  
 Farias das Pedras / BA;Construtor;RH;[emanuel88@example.net](mailto:emanuel88@example.net);  
 6764.4439449415295  
 Marina Carvalho;Núcleo Breno da Rocha,Estoril,08074006 Moura da Praia  
 / PA;Traumatologista;Financeiro;[luiz-gustavo19@example.com](mailto:luiz-gustavo19@example.com);  
 3076.398008342836  
 Emilly Barros;Favela de Barros, 93,Miramar,48751-442 Moraes /  
 PA;Gastrônomo;Marketing;[brenoalves@example.org](mailto:brenoalves@example.org);8819.719629930933  
 Nina Porto;Feira Cecília Barros, 8,Vila Barragem Santa Lúcia,  
 34334-946 Alves de da Costa /  
 RJ;Fresador;TI;[freitasmariane@example.com](mailto:freitasmariane@example.com);7470.177642217986

Raul Barros;Pátio de da Mota, 54,Carlos Prates,30933356 Freitas / RR;Recepcionista;Marketing;[nascimentokevin@example.com](mailto:nascimentokevin@example.com); 5128.713979632947

Otávio Cunha;Loteamento Lorenzo Cardoso,São João,69927025 Lima de Jesus / GO;Fisioterapeuta;RH;[imonteiro@example.org](mailto:imonteiro@example.org);3917.5999119612416

Sr. Rodrigo Viana;Chácara Ribeiro, 5,Flavio De Oliveira,10516760 Cardoso / PI;Marcador de luz;RH;[mendesmanuela@example.org](mailto:mendesmanuela@example.org); 5013.6095785784055

Sr. Rafael Correia;Vila de Viana, 9,Vila Atila De Paiva,30744-825 Azevedo da Prata / MT;Nefrologista;Financeiro;[fernandesclara@example.org](mailto:fernandesclara@example.org); 6991.514417275102

Benjamin Rezende;Setor Nathan da Costa, 22,Conjunto Santa Maria, 70202-554 Cunha / PB;Comandante;Marketing;[fcaldeira@example.net](mailto:fcaldeira@example.net); 8444.172447100174

Camila Viana;Residencial Laís Almeida, 37,Goiania,78544169 Duarte das Flores / PR;Tecnólogo em irrigação e drenagem;Marketing;[isaac07@example.com](mailto:isaac07@example.com);6026.246624703504

Luiz Fernando Cardoso;Colônia Peixoto, 60,Mariquinhas,85476737 Lima / PE;Intérprete e tradutor de língua de sinais;Marketing;[vieirayasmin@example.org](mailto:vieirayasmin@example.org);2572.5193774637046

Heloísa Ribeiro;Campo Sales, 86,Conjunto São Francisco De Assis, 12393-797 Correia / SP;Mergulhador;Marketing;[xcostela@example.com](mailto:xcostela@example.com); 7425.461552188485

Gabrielly Fogaça;Condomínio Vicente Martins, 87,Planalto,47086087 Almeida / PA;Veterinário;RH;[maria-fernandaviana@example.com](mailto:maria-fernandaviana@example.com); 2581.651641349893

Bianca Rodrigues;Jardim das Neves, 30,Túnel De Ibirité,60699-155 Moraes Paulista / RN;Oficial de justiça;RH;[otaviosouza@example.net](mailto:otaviosouza@example.net); 1467.110559516457

Stella Costa;Sítio de Teixeira, 48,Maravilha,03431-492 Cardoso / RR;Cineasta;RH;[ana57@example.org](mailto:ana57@example.org);8714.496466115488

Sr. Heitor Barros;Jardim Moura, 88,Parque São José,53964-525 Mendes / PA;Assistente social;Financeiro;[alvesmarina@example.net](mailto:alvesmarina@example.net); 8689.677144964407

Bryan Araújo;Setor Ferreira, 6,Xodo-Marize,23187365 Gomes da Mata / RJ;Secretária;Financeiro;[da-conceicaomaria-alice@example.net](mailto:da-conceicaomaria-alice@example.net); 1514.0830772614538

Renan Costa;Favela Costela, 27,Bonfim,47371069 da Mota / ES;Gastrônomo;Financeiro;[maria-fernandanogueira@example.com](mailto:maria-fernandanogueira@example.com); 5359.999581843382

Bernardo Aragão;Vereda Carvalho,Vila Da Luz,24833-080 Souza / DF;Profissional de recursos humanos;TI;[antonio51@example.org](mailto:antonio51@example.org); 4287.669773604941

João Lucas Azevedo;Quadra Marina da Rosa, 3,Novo Santa Cecília, 64803-188 Oliveira de Goiás / PE;Tecnólogo em navegação fluvial;TI;[salesantonio@example.com](mailto:salesantonio@example.com);6176.315196554749

Luiz Felipe Nascimento;Área de Araújo, 35,Serra,23308721 da Cruz / RJ;Levantador de peso;Financeiro;[nicolasda-cruz@example.org](mailto:nicolasda-cruz@example.org); 7928.289862891664

Sabrina Moura;Travessa Pietro Novaes, 58,Santo André,08575634 Almeida da Serra / MT;Historiador;Financeiro;[hcunha@example.net](mailto:hcunha@example.net); 4908.650448470555

Nicole Ferreira;Estação Ana Vitória da Rosa, 23,Vila Aeroporto, 00033972 Vieira /

MG;Implantodontista;Financeiro;[emanuelly81@example.net](mailto:emanuelly81@example.net);  
5199.344783776156  
Ana Luiza Farias;Quadra Freitas, 98,Novo Aarão Reis,86876-266 Almeida  
dos Dourados / PB;Dublador;RH;[vitorazevedo@example.org](mailto:vitorazevedo@example.org);  
8125.979574183003  
Livia da Mota;Trevo de Campos, 84,Canaa,89961552 Gonçalves /  
SE;Frentista;RH;[joao43@example.org](mailto:joao43@example.org);1462.4498690713356  
Mariana Moreira;Estação Bruno Silva, 73,Vila Sesc,90649-104 Vieira /  
RN;Cinematógrafo;RH;[ana-livia14@example.com](mailto:ana-livia14@example.com);4626.630822189363  
Ana Beatriz Ramos;Esplanada de Cunha, 30,Conjunto Celso Machado,  
90114384 Moraes das Pedras /  
PI;Sapateiro;Marketing;[silveirajoana@example.org](mailto:silveirajoana@example.org);3156.912020022818  
Heloísa Farias;Morro Castro, 31,Vila De Sá,36933328 Fogaça das Pedras  
/ AC;Implantodontista;Financeiro;[rocharebeca@example.net](mailto:rocharebeca@example.net);  
5360.118852158643  
Dr. Lucas Nogueira;Setor Ana Luiza Pinto, 19,Tres Marias,10778363  
Correia do Sul / SC;Engenheiro agrícola;TI;[da-motamaria-alice@example.com](mailto:da-motamaria-alice@example.com);2160.884487332513  
Camila Araújo;Viaduto Farias,Jardinópolis,37194-044 Barros de  
Monteiro / CE;Adestrador de animais;RH;[diogocunha@example.org](mailto:diogocunha@example.org);  
2798.2708029561463  
Pedro Almeida;Trevo Viana, 77,Jardim América,41311-318 Nogueira /  
SC;Clarinetista;RH;[apeixoto@example.com](mailto:apeixoto@example.com);1612.7212094050924  
Sra. Maria Sophia Silva;Loteamento Farias, 47,Mala E Cuia,08749-976  
Moreira / RN;Agente funerário;RH;[emanuellyalves@example.org](mailto:emanuellyalves@example.org);  
6725.170213973627  
Lorena Gomes;Conjunto de Santos, 484,Nossa Senhora Do Rosário,  
31108-189 Teixeira de Goiás /  
PA;Sapateiro;TI;[correiaaugusto@example.org](mailto:correiaaugusto@example.org);5395.275779140432  
Isabella Barros;Distrito João Lucas Santos, 924,Ermelinda,06556367  
Rodrigues das Flores /  
PB;Anestesiologista;Financeiro;[bmoraes@example.net](mailto:bmoraes@example.net);4467.4113262975625  
Dra. Sophia Fernandes;Lagoa Porto, 84,Carlos Prates,36720592 Caldeira  
das Flores / DF;Lixeiro/Coletor de  
lixo;Marketing;[clara75@example.com](mailto:clara75@example.com);6976.28898260774  
Sra. Alice Carvalho;Estação da Paz, 813,Jardim Dos Comerciaros,  
41435255 Sales / PB;Tecnólogo em  
silvicultura;RH;[fogacanoah@example.com](mailto:fogacanoah@example.com);2706.144317779954  
Davi Lucas Monteiro;Lago Eduarda Moura, 5,Caiçara - Adelaide,05630701  
Souza de da Costa / PI;Representante comercial;Financeiro;[raquelda-costa@example.org](mailto:raquelda-costa@example.org);6320.84849946002  
Thomas Santos;Travessa Melo, 50,São Paulo,08125219 Cardoso de Campos  
/ CE;Caixa;Financeiro;[gabrielrezende@example.net](mailto:gabrielrezende@example.net);7020.868362432753  
Luna da Luz;Viaduto Joaquim Souza, 67,Vila Jardim Alvorada,40925614  
Cardoso da Serra / MS;Corredor de  
atletismo;Financeiro;[juansilveira@example.org](mailto:juansilveira@example.org);5855.487849018157  
Mirella Gomes;Residencial Luiz Henrique Nascimento,Estrela Do  
Oriente,40074-994 das Neves /  
ES;Separador;Financeiro;[thiagooliveira@example.com](mailto:thiagooliveira@example.com);9213.509668308667  
Erick Barbosa;Passarela Ryan Fogaça, 349,João Pinheiro,28983-135 da  
Rocha / GO;Naturólogo;Financeiro;[ucosta@example.com](mailto:ucosta@example.com);5962.089407794644  
Sr. Davi Lucca Ferreira;Área Dias, 65,Parque São Pedro,43783239  
Cardoso / RO;Taifeiro;RH;[tda-rosa@example.net](mailto:tda-rosa@example.net);3614.1697162829396  
Fernanda Alves;Praça Araújo, 7,São Luiz,42389118 Nogueira /  
MS;Cortador de cana-de-açúcar;TI;[cardosoamanda@example.org](mailto:cardosoamanda@example.org);



5099.532134115627  
Otávio Jesus;Largo de Caldeira, 3,Alto Caiçaras,18338-030 Monteiro /  
TO;Músico;Financeiro;[rbarros@example.org](mailto:rbarros@example.org);6637.5105130158045  
Guilherme Castro;Estação Luiz Felipe Viana, 85,Flavio Marques Lisboa,  
07454538 Cunha da Prata / SP;Engenheiro  
elétrico;RH;[oliveiracecilia@example.org](mailto:oliveiracecilia@example.org);6388.820381717991  
Davi Luiz Moreira;Residencial de Cardoso, 72,Grajaú,08679-844 Barros  
do Campo / RN;Degustador;RH;[mirellanunes@example.org](mailto:mirellanunes@example.org);  
6917.965801900449  
Theo Mendes;Rodovia Duarte, 4,Pedreira Padro Lopes,14029455 Pires /  
RN;Cenotécnico;TI;[xda-conceicao@example.net](mailto:xda-conceicao@example.net);7734.675399041165  
Gustavo Nunes;Estação da Paz, 87,Lagoinha,62070571 Teixeira das  
Pedras / RN;Pastilheiro;TI;[paraujo@example.com](mailto:paraujo@example.com);3645.011643362201  
Vinicius Cunha;Vereda Stella Rocha, 23,Vila São Gabriel Jacui,  
19622677 Almeida das Pedras / PI;Profissional de  
linguística;TI;[benjamindas-neves@example.net](mailto:benjamindas-neves@example.net);6920.145402390865  
Letícia Jesus;Chácara Ana Costa, 273,Vila Calafate,76046-574 Sales /  
AL;Consultor de moda;Financeiro;[galves@example.com](mailto:galves@example.com);8823.806027991082  
Dr. Miguel Correia;Residencial Rocha, 90,Conjunto Celso Machado,  
44632-071 Rocha do Norte / CE;Controlador de  
vôo;Financeiro;[ccunha@example.org](mailto:ccunha@example.org);7652.869547631899  
Milena da Cruz;Estrada Viana,Virgínia,47773-881 Sales dos Dourados /  
PB;Cinegrafista;Marketing;[juliana41@example.net](mailto:juliana41@example.net);7751.9457807463095  
Ana Vitória Almeida;Condomínio Maria Fernanda Ribeiro, 69,Rio Branco,  
71623-215 da Rocha do Campo / RR;Radialista;RH;[cmoreira@example.org](mailto:cmoreira@example.org);  
4859.812885546445  
Gabriel Martins;Jardim de Campos,Boa Esperança,03928637 Ramos Verde /  
RS;Copeiro;Marketing;[zda-rocha@example.org](mailto:zda-rocha@example.org);9842.211571160917  
Mirella Gonçalves;Feira de Porto,Maria Tereza,29829880 Pinto /  
GO;Ferroviário;RH;[wdias@example.com](mailto:wdias@example.com);8897.537324001321  
Nicolas Campos;Residencial de Silva,Jardim Alvorada,30088-984 Pereira  
de Cardoso / DF;Garimpeiro;Financeiro;[da-rosavitor-  
gabriel@example.org](mailto:da-rosavitor-gabriel@example.org);7120.201623688635  
Ana Sophia Silva;Avenida Nina Campos, 46,Buritis,63417223 Moreira das  
Pedras / RR;Esgrimista;Financeiro;[ianalves@example.org](mailto:ianalves@example.org);  
5925.38248267299  
Ana Julia Caldeira;Condomínio de Porto, 272,Guaratã,90916-328 Cardoso  
Paulista / RS;Garçom;RH;[mouralivia@example.org](mailto:mouralivia@example.org);8919.323577611414  
Ana Novaes;Vale de Pires, 66,Casa Branca,23540-178 Silveira do Oeste  
/ SC;Tenente;TI;[davi-luiz93@example.org](mailto:davi-luiz93@example.org);4978.3706200883125  
Dra. Bianca Pereira;Rodovia de Aragão, 88,Universitário,73970-658  
Castro / GO;Gagsman;Financeiro;[vianalivia@example.com](mailto:vianalivia@example.com);  
3371.181718155043  
Daniel da Rocha;Trevo Vitor Hugo Fernandes, 8,Pirineus,14838-656  
Nogueira do Sul / SP;Taxista;Financeiro;[kda-cunha@example.org](mailto:kda-cunha@example.org);  
3150.6229997393593  
Davi Lucas Nascimento;Quadra Barbosa, 884,Prado,85792-436 Fernandes /  
MT;Traumatologista;Marketing;[viniciusrodrigues@example.org](mailto:viniciusrodrigues@example.org);  
8482.321017103353

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