

## Aula 1 - Instalação

### Docupedia Export

Author:Ferro Alisson (CtP/ETS)

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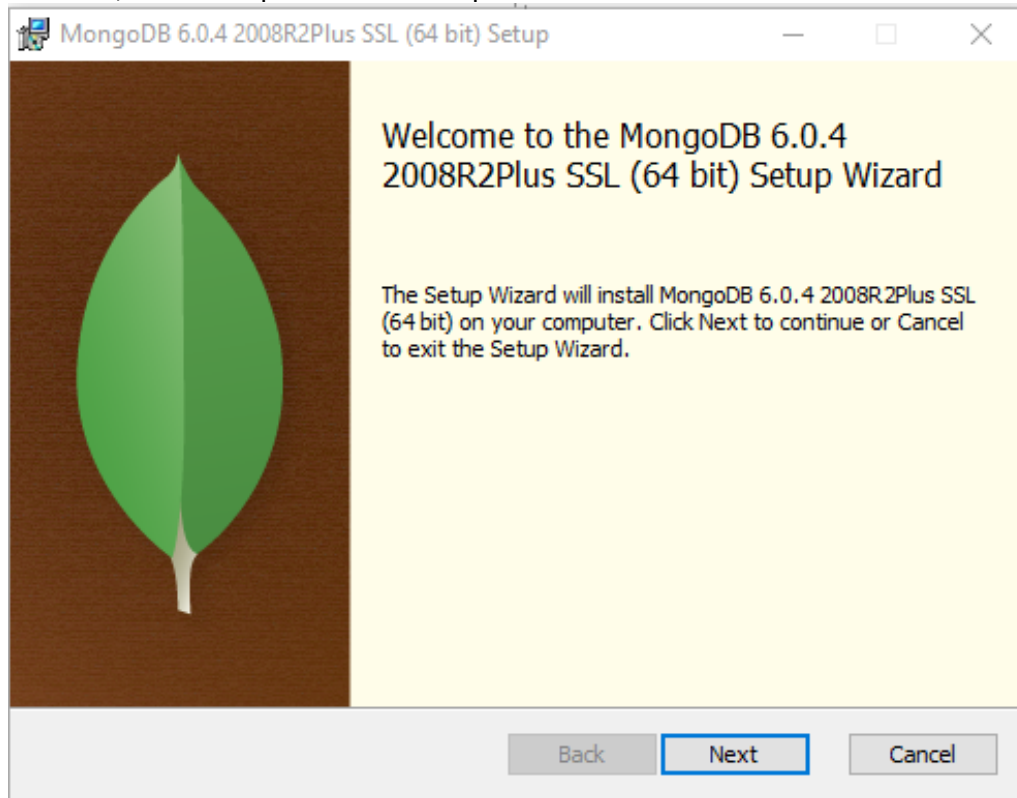
### 1 1.2. Configuração

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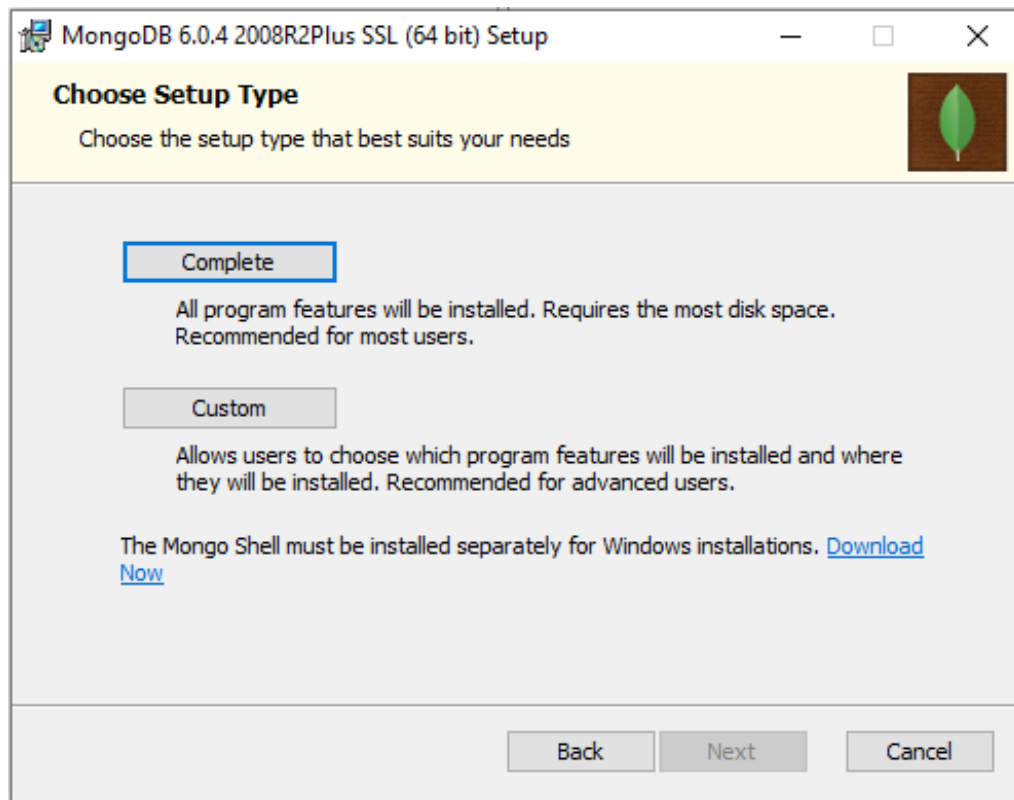
Será necessário a instalação de dois programas: Mongo DB Community Server e Mongo DB Compass.

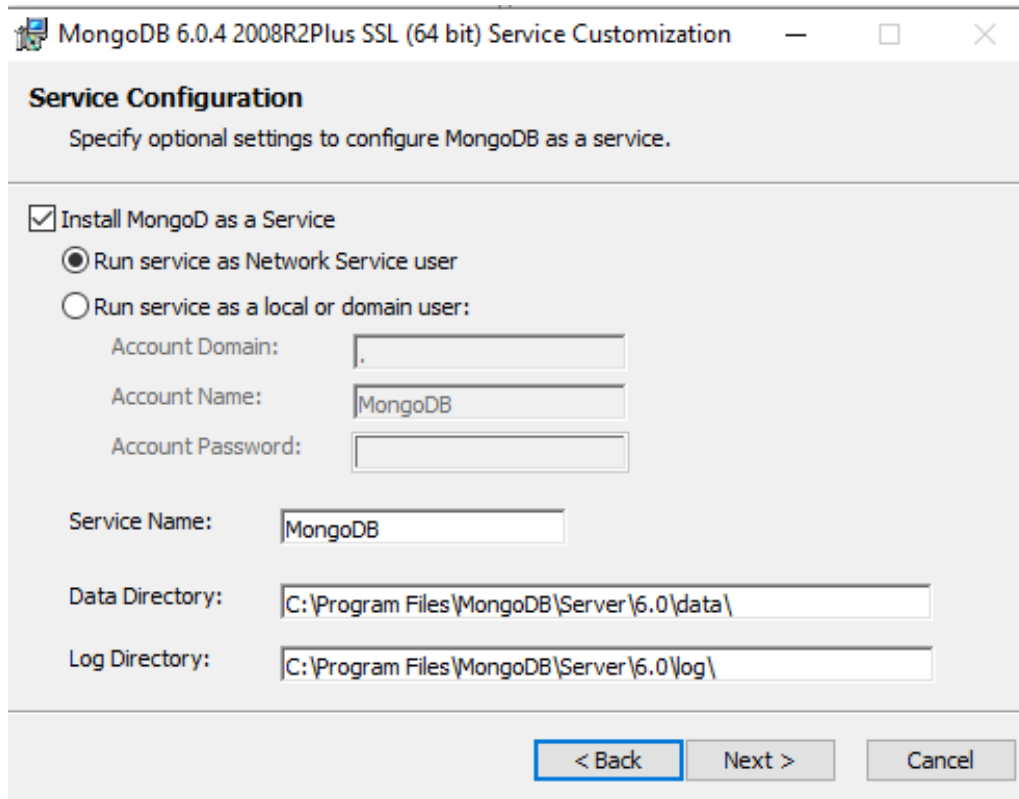
Primeiro, baixe o Mongo DB Community Server no link: [https://fastdl.mongodb.org/windows/mongodb-windows-x86\\_64-6.0.4-signed.msi](https://fastdl.mongodb.org/windows/mongodb-windows-x86_64-6.0.4-signed.msi)

Ao baixar, envie o da pasta Downloads para a área de trabalho e execute.



Clique em "Complete" para fazer a instalação completa do Mongo.





**Service Configuration**  
Specify optional settings to configure MongoDB as a service.

☒ Install MongoDB as a Service

☒ Run service as Network Service user

☐ Run service as a local or domain user:

Account Domain:

Account Name:

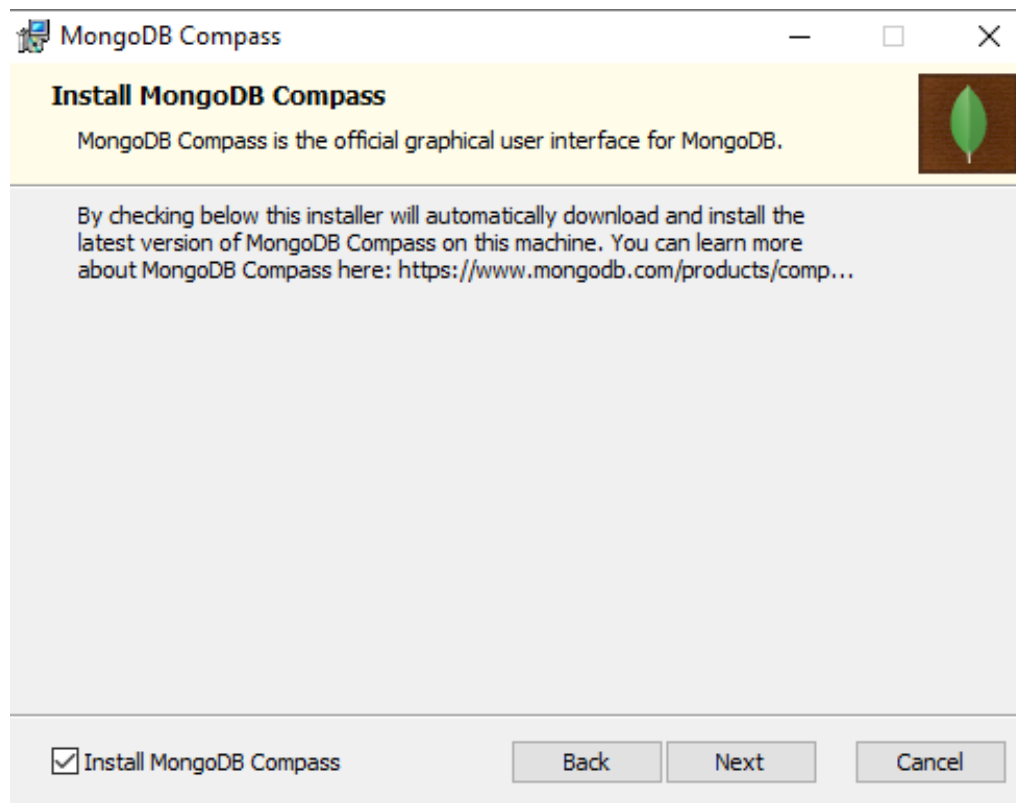
Account Password:

Service Name:

Data Directory:

Log Directory:

Habilite a opção de instalar o MongoDB Compass.



Para que a instalação do Mongo DB esteja completa, reinicie o computador. Caso o MongoDB Compass não tenha instalado, siga os próximos passos:

Acesse o link: <https://downloads.mongodb.com/compass/mongodb-compass-1.35.0-win32-x64.exe>

Envie o arquivo baixado para a área de trabalho e o execute.

A seguinte janela irá aparecer e o compass será instalado,



MongoDB Compass is being installed.

It will launch once it is done.

## 1 1.2. Configuração

O MongoDB precisa de uma pasta para armazenar sua database. Para criar um diretório, execute o seguinte comando em um terminal cmd/PowerShell:

```
mkdir C:\data\db
```

e para iniciar o mongo localmente, primeiro verifique se o diretório está correto e procure pelo mongod.exe. Se o diretório não foi alterado, esse será o caminho:

```
C:\Program Files\MongoDB\Server\6.0\bin\mongod.exe
```

Se a pasta C:\data\db já existir devido a instalações antigas, apenas execute o mongo.

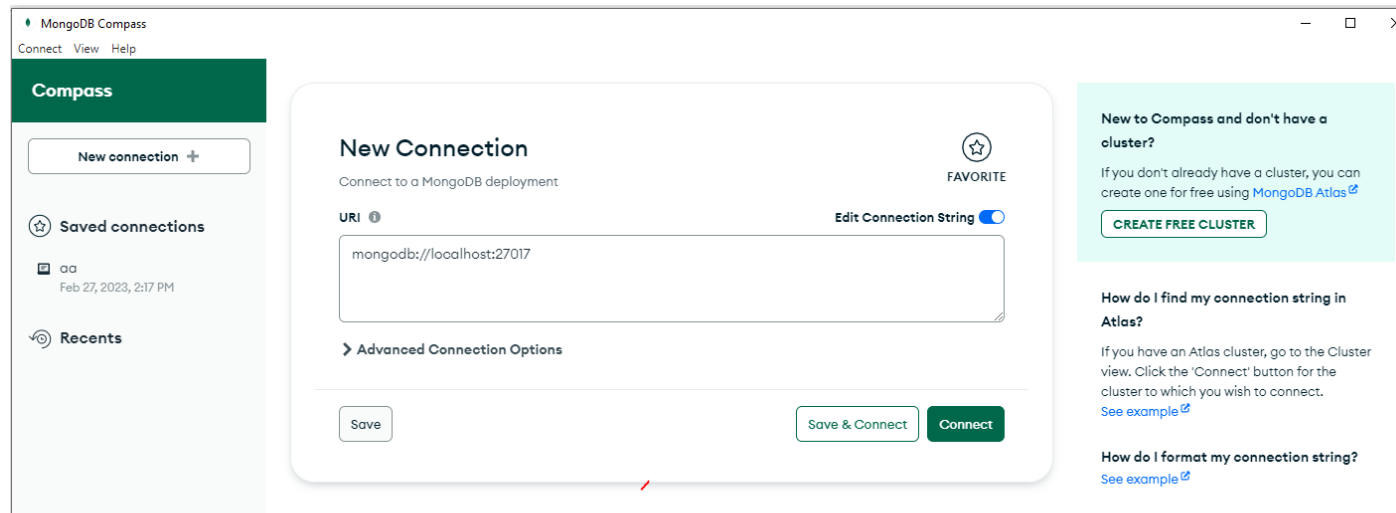
A tela a seguir irá aparecer, mas a única informação importante está nas últimas linhas

```
Administrator: Windows PowerShell
{"t":{"$date":"2023-02-27T14:49:28.419-03:00"},"s":"I", "c":"CONTROL", "id":23398, "ctx":"initandlisten","msg":"Target operating system minimum version","attr":{"targetMinOS":"Windows 7/Windows Se
rver 2008 R2"}}
{"t":{"$date":"2023-02-27T14:49:28.419-03:00"},"s":"I", "c":"CONTROL", "id":23403, "ctx":"initandlisten","msg":"Build Info","attr":{"buildInfo":{"version":"6.0.4","gitVersion":"44ff59461c1353638a7
1e710f385a56bcd2f547","modules":[],"allocator":"tcmalloc","environment":{"distmod":"windows","distarch":"x86_64","target_arch":"x86_64"}}}}}
{"t":{"$date":"2023-02-27T14:49:28.419-03:00"},"s":"I", "c":"CONTROL", "id":51765, "ctx":"initandlisten","msg":"Operating System","attr":{"os":{"name":"Microsoft Windows 10","version":"10.0 (build
19044)"}}}}
{"t":{"$date":"2023-02-27T14:49:28.419-03:00"},"s":"I", "c":"CONTROL", "id":21951, "ctx":"initandlisten","msg":"Options set by command line","attr":{"options":{}}}
{"t":{"$date":"2023-02-27T14:49:28.421-03:00"},"s":"I", "c":"STORAGE", "id":22270, "ctx":"initandlisten","msg":"Storage engine to use detected by data files","attr":{"dbpath":"C:/data/db/","storag
engine":"wiredTiger"}}
{"t":{"$date":"2023-02-27T14:49:28.422-03:00"},"s":"I", "c":"STORAGE", "id":22315, "ctx":"initandlisten","msg":"Opening WiredTiger","attr":{"config":{"create,cache_size=7531M,session_max=33000,evic
tion(threads_min=4,threads_max=4),config_base=false,statistics=(fast),log=(enabled=true,remove=true,path=journal,compressor=snappy),builtin_extension_config=(zstd(compression_level=6)),file_manager=
(close_idle_time=600,close_scan_interval=10,close_handle_minimum=2000),statistics_log=(wait=0),json_output=(error,message),verbose=[recovery_progress:1,checkpoint_progress:1,compact_progress:1,backup:
0,checkpoint:0,compact:0,evict:0,history_store:0,recovery:0,rts:0,salvage:0,tiered:0,timestamp:0,transaction:0,verify:0,log:0]}}}}
{"t":{"$date":"2023-02-27T14:49:28.795-03:00"},"s":"I", "c":"STORAGE", "id":4795906, "ctx":"initandlisten","msg":"WiredTiger opened","attr":{"durationMillis":373}}
{"t":{"$date":"2023-02-27T14:49:28.795-03:00"},"s":"I", "c":"RECOVERY", "id":23987, "ctx":"initandlisten","msg":"WiredTiger recoveryTimestamp","attr":{"recoveryTimestamp":{"t":0,"i":0
}}}}
{"t":{"$date":"2023-02-27T14:49:28.807-03:00"},"s":"W", "c":"CONTROL", "id":22120, "ctx":"initandlisten","msg":"Access control is not enabled for the database. Read and write access to data and co
nfiguration is unrestricted","tags":["startupWarnings"]}
{"t":{"$date":"2023-02-27T14:49:28.808-03:00"},"s":"W", "c":"CONTROL", "id":22140, "ctx":"initandlisten","msg":"This server is bound to localhost. Remote systems will be unable to connect to this
server. Start the server with --bind_ip address to specify which IP addresses it should serve responses from, or with --bind_ip_all to bind to all interfaces. If this behavior is desired, start the
server with --bind_ip 127.0.0.1 to disable this warning","tags":["startupWarnings"]}
{"t":{"$date":"2023-02-27T14:49:28.811-03:00"},"s":"I", "c":"NETWORK", "id":4915702, "ctx":"initandlisten","msg":"Updated wire specification","attr":{"oldSpec":{"incomingExternalClient":{"minWireVer
sion":0,"maxWireVersion":17},"incomingInternalClient":{"minWireVersion":0,"maxWireVersion":17},"isInternalClient":true,"newSpec":{"incomingExternalClient":{"minWireVersion":10,"maxWireVersion":17},"incomingInternalClient":{"minWireVersion":17,"maxWireVersion":17},"isInternalClient":true}}}}
{"t":{"$date":"2023-02-27T14:49:28.811-03:00"},"s":"I", "c":"REPL", "id":5853300, "ctx":"initandlisten","msg":"Current featureCompatibilityVersion value","attr":{"featureCompatibilityVersion":"6.
0","context":"startup"}}
{"t":{"$date":"2023-02-27T14:49:28.812-03:00"},"s":"I", "c":"STORAGE", "id":5071100, "ctx":"initandlisten","msg":"Clearing temp directory"}
{"t":{"$date":"2023-02-27T14:49:28.813-03:00"},"s":"I", "c":"CONTROL", "id":20536, "ctx":"initandlisten","msg":"Flow Control is enabled on this deployment"}
{"t":{"$date":"2023-02-27T14:49:29.201-03:00"},"s":"I", "c":"FTDC", "id":20625, "ctx":"initandlisten","msg":"Initializing full-time diagnostic data capture","attr":{"dataDirectory":"C:/data/db/
diagnostic.data"}}
{"t":{"$date":"2023-02-27T14:49:29.204-03:00"},"s":"I", "c":"REPL", "id":6015317, "ctx":"initandlisten","msg":"Setting new configuration state","attr":{"newState":"ConfigReplicationDisabled","old
State":"ConfigPreStart"}}
{"t":{"$date":"2023-02-27T14:49:29.205-03:00"},"s":"I", "c":"STORAGE", "id":22262, "ctx":"initandlisten","msg":"Timestamp monitor starting"}
{"t":{"$date":"2023-02-27T14:49:29.207-03:00"},"s":"I", "c":"NETWORK", "id":23015, "ctx":"listener","msg":"Listening on","attr":{"address":"127.0.0.1"}}
{"t":{"$date":"2023-02-27T14:49:29.208-03:00"},"s":"I", "c":"NETWORK", "id":23016, "ctx":"listener","msg":"Waiting for connections","attr":{"port":27017,"ssl":"off"}}
```

```
{ "t": { "$date": "2023-02-27T14:49:29.208-03:00", "s": "I", "c": "NETWORK", "id": 23016, "ctx": "listener", "msg": "Waiting for connections", "attr": { "port": 27017, "ssl": "off" } }
```

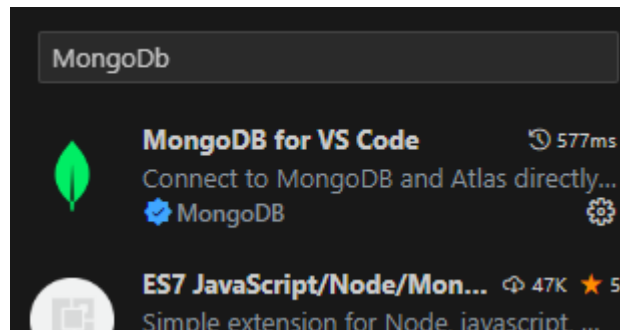
Na última linha teremos nossa port, que usaremos para conectar ao banco com o Compass. Abra o MongoDB Compass e conecte ao localhost:port (no caso, localhost:27017)





E pronto! O mongo DB está pronto para ser usado localmente.

Para realizar as consultas e inserções no banco, iremos utilizar o Visual Studio Code e a extensão MongoDB for VS Code



Ao terminar de instalar a extensão, precisamos colocar a string de conexão `"mongodb://localhost:27017"`