

Samba Diarra Diouf

Rendu 1

J'ai fait un git clone du projet sur Google Cloud et j'ai exécuté les commandes suivantes :

```
sambadiarra2000@instance-8:~/lib_partageable_2023$ cd main/
sambadiarra2000@instance-8:~/lib_partageable_2023/main$ objdump -T main

main:          file format elf64-x86-64

DYNAMIC SYMBOL TABLE:
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4  _ZSt4endlIcSt11char_traitsIcEERS
t13basic_ostreamIT_0_ES6
0000000000000000      DF *UND* 0000000000000000                      _Z10composant2ii
0000000000000000      DF *UND* 0000000000000000                      _Z10composantlii
0000000000000000      DF *UND* 0000000000000000                      _Z20getComposant1Versionv
0000000000000000      DF *UND* 0000000000000000      GLIBC_2.2.5  __cxa_atexit
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4  _ZStlsISt11char_traitsIcEERSt13b
asic_ostreamIcT_ES5_PKc
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4  _ZNsolsEPPRSoS_E
0000000000000000      DO *UND* 0000000000000000      GLIBCXX_3.4  _ZSt4cout
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4  _ZNSt8ios_base4InitC1Ev
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4  _ZNsolsEi
0000000000000000      w  D *UND* 0000000000000000                      _ITM_deregisterTMCloneTable
0000000000000000      DF *UND* 0000000000000000      GLIBC_2.2.5  __libc_start_main
0000000000000000      w  D *UND* 0000000000000000                      __gmon_start__
0000000000000000      w  D *UND* 0000000000000000                      _ITM_registerTMCloneTable
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4  _ZNSt8ios_base4InitD1Ev
0000000000000000      w  DF *UND* 0000000000000000      GLIBC_2.2.5  __cxa_finalize
```

```
sambadiarra2000@instance-8:~/lib_partageable_2023$ cd Composant1
sambadiarra2000@instance-8:~/lib_partageable_2023/Composant1$ objdump -T libComposant1.so

libComposant1.so:          file format elf64-x86-64

DYNAMIC SYMBOL TABLE:
0000000000000000      w  D *UND* 0000000000000000      __cxa_finalize
0000000000000000      w  D *UND* 0000000000000000      _ITM_registerTMCloneTable
0000000000000000      w  D *UND* 0000000000000000      _ITM_deregisterTMCloneTable
0000000000000000      w  D *UND* 0000000000000000      __gmon_start__
00000000000001138      g  DF .text 000000000000000d _Z20getComposant1Versionv
00000000000001124      g  DF .text 0000000000000014 _Z16addition_interneii
00000000000001105      g  DF .text 000000000000001f _Z10composantlii
```

```
sambadiarra2000@instance-8:~/lib_partageable_2023/main$ objdump -C -T main

main:          file format elf64-x86-64

DYNAMIC SYMBOL TABLE:
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4 std::basic_ostream<char, std::ch
ar_traits<char> >::std::endl<char, std::char_traits<char> >(std::basic_ostream<char, std::char
_traits<char> > &)
0000000000000000      DF *UND* 0000000000000000                      composant2(int, int)
0000000000000000      DF *UND* 0000000000000000                      composant1(int, int)
0000000000000000      DF *UND* 0000000000000000                      getComposant1Version()
0000000000000000      DF *UND* 0000000000000000      GLIBC_2.2.5  __cxa_atexit
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4 std::basic_ostream<char, std::ch
ar_traits<char> > &::std::operator<< (<std::char_traits<char> >(std::basic_ostream<char, std::cha
r_traits<char> > &, char const*)
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4 std::ostream::operator<< (<std::os
tream& (*) (std::ostream&))
0000000000000000      DO *UND* 0000000000000000      GLIBCXX_3.4 std::cout
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4 std::ios_base::Init::Init()
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4 std::ostream::operator<< (int)
0000000000000000      w  D *UND* 0000000000000000                      _ITM_deregisterTMCloneTable
0000000000000000      DF *UND* 0000000000000000      GLIBC_2.2.5  __libc_start_main
0000000000000000      w  D *UND* 0000000000000000                      __gmon_start__
0000000000000000      w  D *UND* 0000000000000000                      _ITM_registerTMCloneTable
0000000000000000      DF *UND* 0000000000000000      GLIBCXX_3.4 std::ios_base::Init::~Init()
0000000000000000      w  DF *UND* 0000000000000000      GLIBC_2.2.5  __cxa_finalize
```

```
sambadiarra2000@instance-8:~/lib_partageable_2023/Composant1$ objdump -C -T libComposant1.so

libComposant1.so:          file format elf64-x86-64

DYNAMIC SYMBOL TABLE:
0000000000000000      w  D *UND* 0000000000000000      __cxa_finalize
0000000000000000      w  D *UND* 0000000000000000      _ITM_registerTMCloneTable
0000000000000000      w  D *UND* 0000000000000000      _ITM_deregisterTMCloneTable
0000000000000000      w  D *UND* 0000000000000000      __gmon_start__
00000000000001138      g  DF .text 000000000000000d getComposant1Version()
00000000000001124      g  DF .text 0000000000000014 addition_interne(int, int)
00000000000001105      g  DF .text 000000000000001f composant1(int, int)
```

Après avoir enlevé les commentaires « extern "C" »

```
sambadiarra2000@instance-8:~/lib_partageable_2023/main$ objdump -T main

main:      file format elf64-x86-64

DYNAMIC SYMBOL TABLE:
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 _ZSt4endlIcSt11char_traitsIcEERS
t13basic_ostreamIT_T0_ES6_
0000000000000000      DF *UND* 0000000000000000      _Z10composant2ii
0000000000000000      DF *UND* 0000000000000000      _Z10composant1ii
0000000000000000      DF *UND* 0000000000000000      _Z20getComposant1Versionv
0000000000000000      DF *UND* 0000000000000000 GLIBC_2.2.5 __cxa_atexit
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 _ZSt1sISt11char_traitsIcEERSt13b
asic_ostreamIT_T0_ES6_Pkc
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 _ZNSt8ios_base4InitC1Ev
0000000000000000      DO *UND* 0000000000000000 GLIBCXX_3.4 _ZSt4cout
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 _ZNSt8ios_base4InitC1Ev
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 _ZNSt8ios_base4InitD1Ev
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 _ZNSt8ios_base4InitD1Ev
0000000000000000      w D *UND* 0000000000000000      _ITM_deregisterTMCloneTable
0000000000000000      DF *UND* 0000000000000000 GLIBC_2.2.5 __libc_start_main
0000000000000000      w D *UND* 0000000000000000      _gmon_start__
0000000000000000      w D *UND* 0000000000000000      _ITM_registerTMCloneTable
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 _ZNSt8ios_base4InitD1Ev
0000000000000000      w DF *UND* 0000000000000000 GLIBC_2.2.5 __cxa_finalize
```

```
sambadiarra2000@instance-8:~/lib_partageable_2023/Composant1$ objdump -T libComposant1.so

libComposant1.so:      file format elf64-x86-64

DYNAMIC SYMBOL TABLE:
0000000000000000      w D *UND* 0000000000000000 __cxa_finalize
0000000000000000      w D *UND* 0000000000000000 _ITM_registerTMCloneTable
0000000000000000      w D *UND* 0000000000000000 _ITM_deregisterTMCloneTable
0000000000000000      w D *UND* 0000000000000000 _gmon_start__
00000000000001138      DF .text 0000000000000000d _Z20getComposant1Versionv
00000000000001124      g DF .text 00000000000000014 _Z16addition_interneii
00000000000001105      g DF .text 0000000000000001f _Z10composant1ii
```

```
sambadiarra2000@instance-8:~/lib_partageable_2023/main$ objdump -C -T main

main:      file format elf64-x86-64

DYNAMIC SYMBOL TABLE:
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 std::basic_ostream<char, std::ch
ar_traits<char> >::~operator<< <std::char_traits<char> >(std::basic_ostream<char, std::char
_traits<char> > &)
0000000000000000      DF *UND* 0000000000000000      composant2(int, int)
0000000000000000      DF *UND* 0000000000000000      composant1(int, int)
0000000000000000      DF *UND* 0000000000000000      getComposant1Version()
0000000000000000      DF *UND* 0000000000000000 GLIBC_2.2.5 __cxa_atexit
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 std::basic_ostream<char, std::ch
ar_traits<char> >::~operator<< <std::char_traits<char> >(std::basic_ostream<char, std::cha
r_traits<char> > &, char const*)
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 std::ostream::operator<<(std::os
tream& (*) (std::ostream&))
0000000000000000      DO *UND* 0000000000000000 GLIBCXX_3.4 std::cout
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 std::ios_base::Init::Init()
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 std::ostream::operator<<(int)
0000000000000000      w D *UND* 0000000000000000      _ITM_deregisterTMCloneTable
0000000000000000      DF *UND* 0000000000000000 GLIBC_2.2.5 __libc_start_main
0000000000000000      w D *UND* 0000000000000000      _gmon_start__
0000000000000000      w D *UND* 0000000000000000      _ITM_registerTMCloneTable
0000000000000000      DF *UND* 0000000000000000 GLIBCXX_3.4 std::ios_base::Init::~Init()
0000000000000000      w DF *UND* 0000000000000000 GLIBC_2.2.5 __cxa_finalize
```

```
sambadiarra2000@instance-8:~/lib_partageable_2023/Composant1$ objdump -C -T libComposant1.so

libComposant1.so:      file format elf64-x86-64

DYNAMIC SYMBOL TABLE:
0000000000000000      w D *UND* 0000000000000000 __cxa_finalize
0000000000000000      w D *UND* 0000000000000000 _ITM_registerTMCloneTable
0000000000000000      w D *UND* 0000000000000000 _ITM_deregisterTMCloneTable
0000000000000000      w D *UND* 0000000000000000 _gmon_start__
00000000000001138      g DF .text 0000000000000000d getComposant1Version()
00000000000001124      g DF .text 00000000000000014 addition_interne(int, int)
00000000000001105      g DF .text 0000000000000001f composant1(int, int)
```