```
type, public :: QcMat
  private
  integer(kind=SIZEOF_VOID_P) f90_int
end type QcMat
```

QcMatrix API (Fortran part)

```
function QcMatWrite(A, ...) result(ierr)
  integer :: ierr
  type(QcMat), intent(in) :: A
  ... ...
  call f90_api_QcMatWrite(A, ..., ierr)
end function QcMatWrite
```

```
typedef struct {
  QcMat *f90_mat;
} QcMat_ptr;
```

QcMatrix API (C part)

```
QVoid f90_api_QcMatWrite(QcMat_ptr *A,
                         ...,
                         QErrorCode *ierr)
{
  *ierr = QcMatWrite(A->f90_mat, ...);
}
```