

How to implement Error::cause properly?

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I have a problem implementing the Error trait. I want to wrap an error from Diesel or another database driver. I didn't even get close to implementing From since I'm already failing at implementing Error . The line that causes the code not to compile is the one at the very end of the code block.

```
use std::fmt;
use std::error::{self, Error};
  #[derive(Debug)]
     NotFound(String),
    PersistenceError(Box<Error + Send + Sync>),
  pub\ type\ MyResult < T> = Result < T, MyError>;
  impl fmt::Display for MyError {
    fn fmt(&self, f: &mut fmt::Formatter) -> fmt::Result {
         MyError::NotFound(ref msg) => write!(f, "Not found: {}", msg),
MyError::PersistenceError(ref cause) => write!(f, "Persistence error: {}", cause),
  impl Error for MyError {
     fin description(&self) -> &str {
match *self {
          MyError:: NotFound(refmsg) \Rightarrow msg,
          MyError::PersistenceError(ref cause) => cause.description(),
    fn cause(&self) -> Option<&Error> {
match *self {
          MyError::NotFound(_) => None,
          // `*cause` does not live long enough

MyError::PersistenceError(cause) => Some(&*cause),
I also tried:
   *cause does not live long enough
  MyError::PersistenceError(cause) => Some(&*cause).
  the trait core::marker::Sized is not implemented for the type std::error::Error + Send + Sync + 'static [E0277]
  MyError::PersistenceError(ref cause) => Some(cause),
  the trait std::error::Error is not implemented for the type '&Box
  MyError::PersistenceError(ref cause) ⇒ Some(&cause)
But none of these worked.
reference rust option traits
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Solution (Solution)

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