The main reason is that classic C casts make no distinction between what we call **static_cast<>()**, **reinterpret_cast<>()**, **const_cast<>()**, and **dynamic_cast<>()**. These four things are **completely different**.

A static_cast<>() is usually safe. There is a valid conversion in the language, or an appropriate constructor that makes it possible. The only time it's a bit risky is when you cast down to an inherited class; you must make sure that the object is a actually the descendant that you claim it is, by means external to the language (like a flag in the object). A dynamic_cast<>() is safe as long as the result is checked (pointer) or a possible exception is taken into account (reference).

A reinterpret_cast<>() (or a const_cast<>()) on the other hand is always dangerous. You tell the compiler: "trust me: I know this doesn't look like a foo (this looks as if it isn't mutable), but it is".

The first problem is that it's almost impossible to tell which one will occur in a C-style cast without looking at large and disperse pieces of code and knowing all the rules.

pOther = static cast<CMyOtherStuff*>(pSomething); // Compiler error: Can't convert

pOther = (CMyOtherStuff*)(pSomething);

```
// Same as reinterpret_cast<>
// and it's wrong!!!

As you can see, there is no easy way to distinguish between the two situations without knowing a
```

// No compiler error.

lot about all the classes involved.

The second problem is that the C-style casts are too hard to locate. In complex expressions it can be very hard to see C-style casts. It is virtually impossible to write an automated tool that needs to locate C-style casts (for example a search tool) without a full blown C++ compiler front-end. On the other hand, it's easy to search for "static_cast<" or "reinterpret_cast<".

```
pOther = reinterpret_cast<CMyOtherStuff*>(pSomething);
   // No compiler error.
   // but the presence of a reinterpret_cast<> is
   // like a Siren with Red Flashing Lights in your code.
   // The mere typing of it should cause you to feel VERY uncomfortable.
```

That means that, not only are C-style casts more dangerous, but it's a lot harder to find them all to make sure that they are correct.