

```
//  
// NSURL+myFileReferenceURL.swift  
// FileReference  
//  
// Created by Frédéric Blondiau on 25/09/2016.  
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//
```

```
import Foundation
```

```
extension NSURL {  
    func myFileReferenceURL() -> NSURL? {  
        do {  
            let fileResourceIdentifier = try (self as URL)  
                .resourceValues(forKeys: [.fileResourceIdentifierKey])  
                .fileResourceIdentifier  
            struct C {  
                var f: UInt64  
                var d: UInt64  
            }  
            guard let data = fileResourceIdentifier as? Data,  
                data.count == MemoryLayout<C>.size  
            else { return nil }  
            let c = data.withUnsafeBytes {  
                UnsafeRawPointer($0).load(as: C.self)  
            }  
            let s = "file:///file/id=\(c.d).\(c.f)"  
            return NSURL(string: s)  
        } catch {  
            return nil  
        }  
    }  
}
```