



Contents

- [1 Description](#)
- [2 Converting path from Qt format to Symbian format](#)
 - ◆ [2.1 Source code](#)
- [3 Converting path from Symbian format to Qt format](#)
 - ◆ [3.1 Source code](#)

Description

Platform Security introduces the data caging concept. There are some folders on Symbian OS v9 that can only be accessed with certain privileges. The private folder, \private<sid>, is one of them. It is a folder where an application can store sensitive data. Other applications, except the one with AllFiles capability, cannot read/write to the folder. In Qt you will get full path of private folder using QDir::currentPath() method. QDir::currentPath() will returns the absolute path of the application's current directory.

Source code

```
/* This method will return private path as C:/Private/ed8788dc
assuming application installed on c drive and has UID ed8788dc */
QString privatePathQt(QDir::currentPath());
```

Converting path from Qt format to Symbian format

In Qt, directory separator is forward slash ("/"), while in Symbian directory separator is backslash ("\"). So if we use Mobile Extension APIs then we need convert path from Qt format to Symbian format.

Source code

Convert using `QString::replace()` method

```
/* this code will convert path from C:/Private/ed8788dc to C:\Private\ed8788dc */
QString privatePathQt(QDir::currentPath());
QString privatePathSymbian(privatePathQt.replace("/", "\\"));
```

Convert using `QDir::toNativeSeparators()` method

```
/* this code will convert path from C:/Private/ed8788dc to C:\Private\ed8788dc */
QString privatePathQt(QDir::currentPath());
QString privatePathSymbian(QDir::toNativeSeparators(privatePathQt));
```

Converting path from Symbian format to Qt format

Similarly we can convert back it to Qt format as follows.

Source code

Convert using **QString::replace()** method

```
/* this code will convert path from C:\Private\ed8788dc to C:/Private/ed8788dc */
QString privatePathSymbian("C:\\Private\\ed8788dc");
QString privatePathQt (privatePathSymbian.replace("\\", "/"));
```

Convert using **QDir::fromNativeSeparators ()** method

```
/* this code will convert path from C:\Private\ed8788dc to C:/Private/ed8788dc */
QString privatePathSymbian("C:\\Private\\ed8788dc");
QString privatePathQt (QDir::fromNativeSeparators (privatePathSymbian));
```