WOLL2WOLL SOFTWARE

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Send an Email with an Attachment in iOS, Android, and Windows using RAD Studio - Updated 10/27/2020

We are updating our solution for this topic as some things had become outdated due to changes in Android (October 27th, 2020). The solution provided here does not require any 3rd party components.

Today, I am going to share how to send emails with attachments with FireMonkey for both iOS, Android, and Windows devices.

How to sending Email with Attachment

We have provided the file wwEmailWithAttachment.pas which you can use to send an email with an attachment. This code is compatible and has been tested with RAD Studio 10.4 Sydney. It also includes a complete project which you can compile and run. Please see below for the extra steps when deploying to an Android device.

https://github.com/roywoll/wwEmailWithAttachment_fmx

This project contains a unit named wwEmailWithAttachment.pas which defines the method method wwEmail

```
procedure wwEmail(
        Recipients: Array of String;
        ccRecipients: Array of String;
        bccRecipients: Array of String;
        Subject, Content,
        AttachmentPath: string;
        mimeTypeStr: string = '');
```

To use this method, add the unit *wwEmailWithAttachment* to your form's uses clause (If you have FirePower installed, the use the unit name *FMX.wwEmailWithAttachment* instead), and then call the procedure as in the following.

```
wwEmail(['roywoll@gmail.com', 'royswoll@yahoo.com'],
[], [], 'Subject', 'Content', fileName);
```

Android Additional Steps

When building with more recent Android SDK versions you will need to give your application the ability to update URI paths. The steps are the following.

1. Edit your project *AndroidManifest.template.xml* file (located in your main project directory) and insert the following text:

```
<provider
android:name="android.support.v4.content.FileProvider"
android:authorities="%package%.fileprovider"
android:exported="false"
android:grantUriPermissions="true">
<meta-data
android:name="android.support.FILE_PROVIDER_PATHS"
android:resource="@xml/file_provider_paths" />
</provider>
```

2. Create the following file named *file_provider_paths.xml* and put it in your project's main directory

```
<?xml version="1.0" encoding="utf-8"?>
<paths
 xmlns:android="http://schemas.android.com/apk/res/android">
 <external-path name="external_files" path="."/>
</paths>
```

3. Within the Delphi IDE, add the *file_provider_paths.xml* to your deployment for Android . After adding the file, edit the Remote Path location so that it contains the value **res\xml**

Please refer to our demo project PMailAttachment for a complete example of this as it has implemented all the above steps.

Windows

The method also works in Windows if Outlook is installed.

FirePower X Email Support

FirePower X comes with the unit *FMX.wwEmailWithAttachment*, and additionally includes the necessary files for C++ Builder support. If using FirePower X with Delphi, you simply need to add the unit *FMX.wwEmailWithAttachment* to your form's uses clause. If using C++ Builder, include the header file.

#include "FMX.wwEmailWithAttachment.hpp"

For a complete example of usage with C++ Builder, see the included demo in the FirePower *demos/21.0/EmailWithAttachmentCPlus* directory

Editors Note: Please note that this method has no other dependencies outside of RAD Studio. It currently does not support OSX.