

### **Walking Around and Installing B4i**

October 23, 2017 FRED EADY







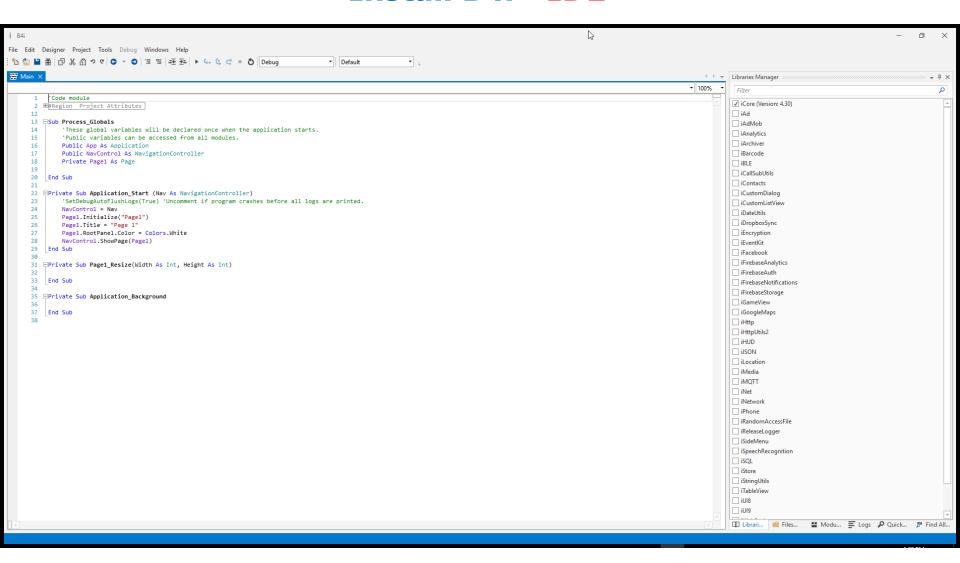
- Install B4i
- Lay Your Money Down and Take a Byte
- Install the B4i Bridge
- Day 1's Done



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#### **Install B4i - IDE**

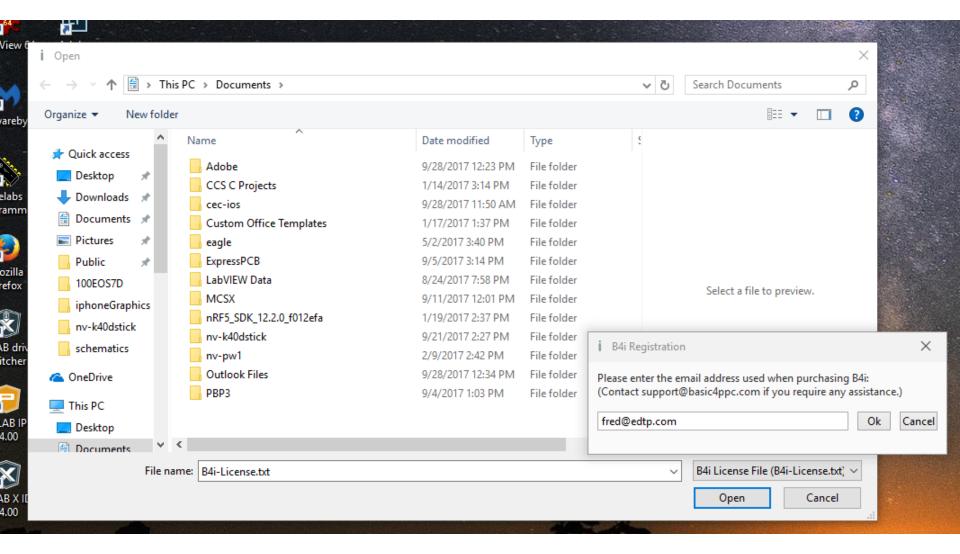




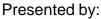




#### **Install B4i – License File**



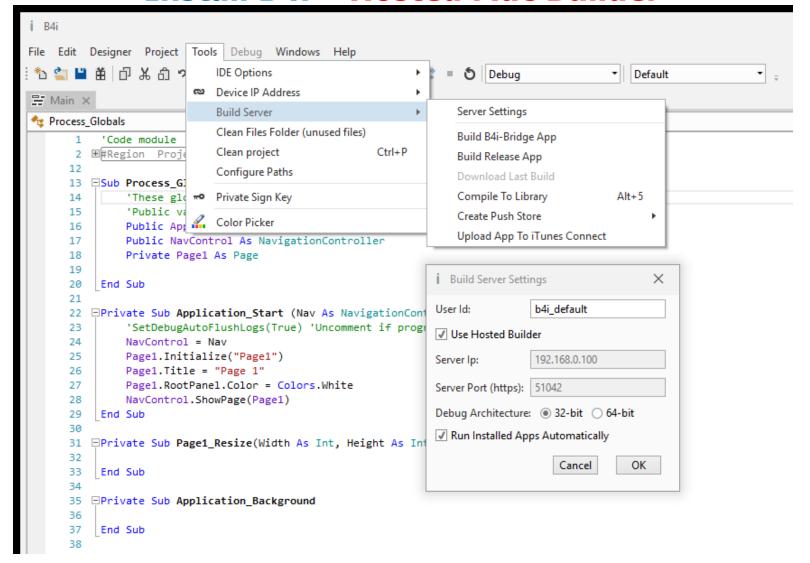




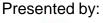




#### **Install B4i – Hosted Mac Builder**



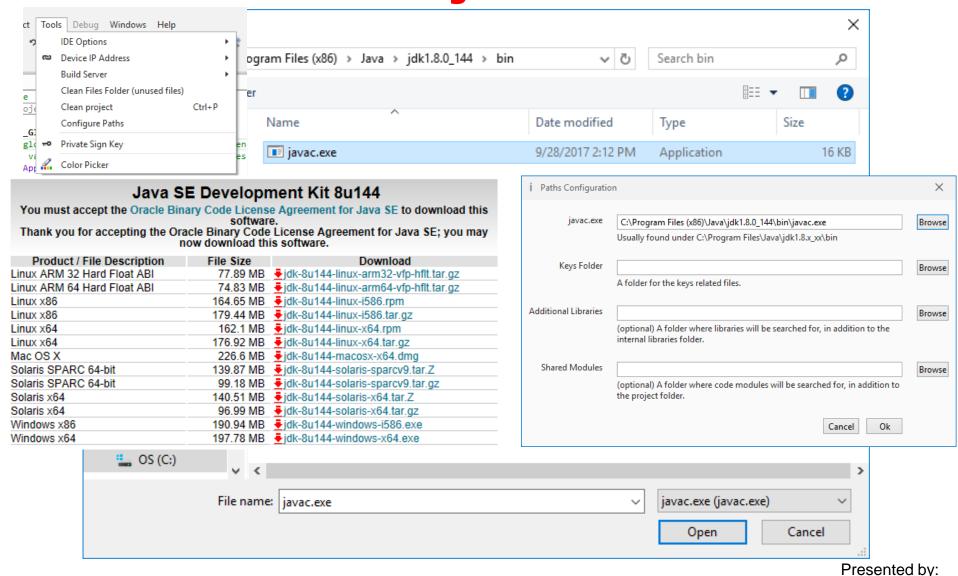








#### **Install B4i – Configure Paths in the IDE**

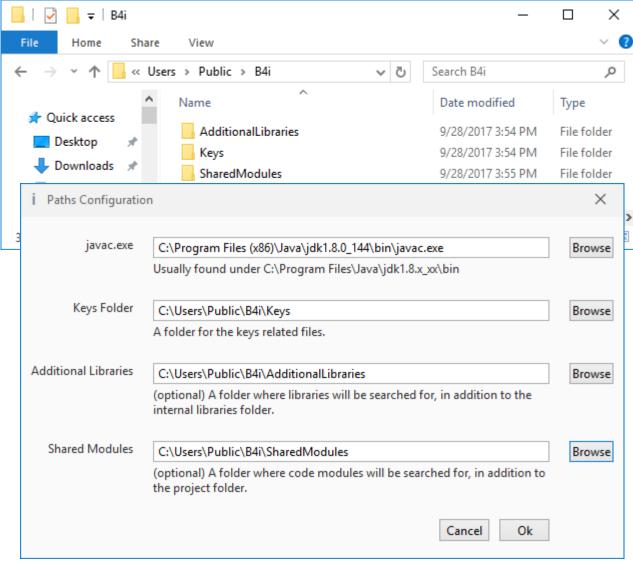


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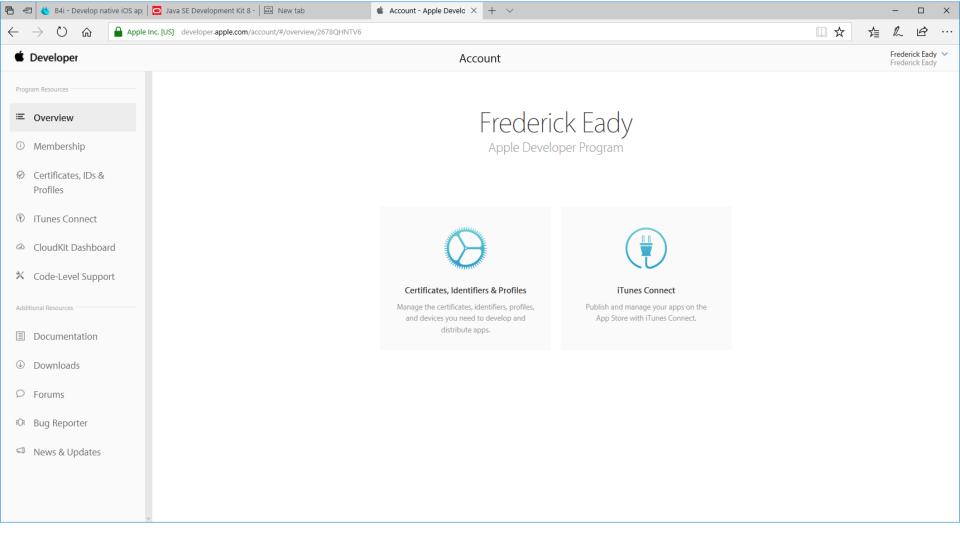


### **Install B4i – Configure Paths in the IDE**





### **IoT Programming with Basic for iOS** Lay Your Money Down and Take a Byte









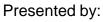


### Lay Your Money Down and Take a Byte Obtaining the Device UDID



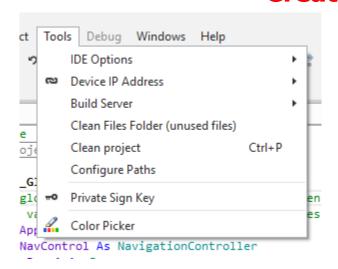


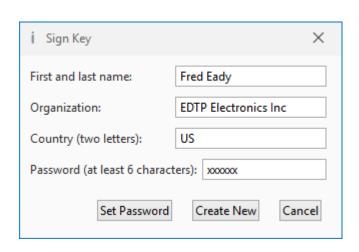


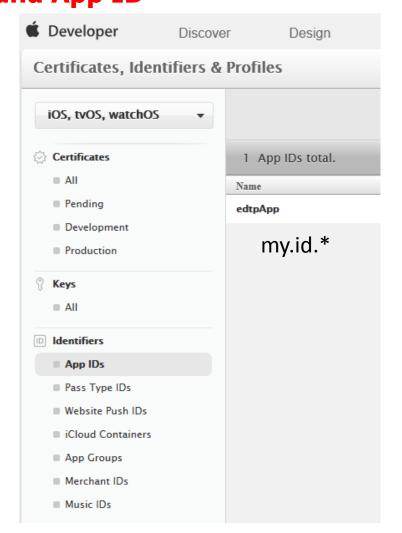




## Lay Your Money Down and Take a Byte Create Key and App ID

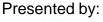






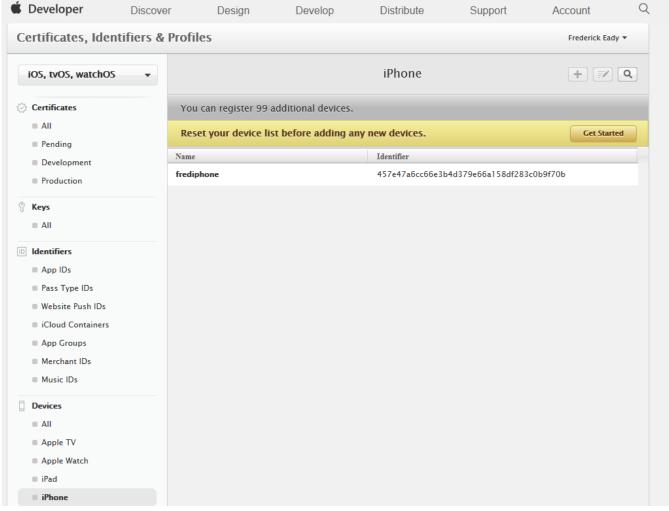






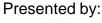


## Lay Your Money Down and Take a Byte Add My Device



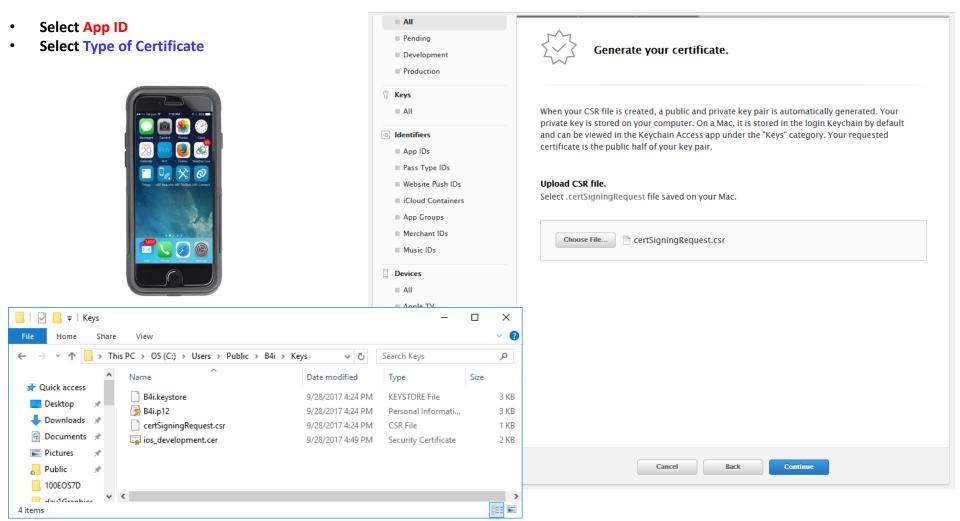








# Lay Your Money Down and Take a Byte Get a Development Certificate



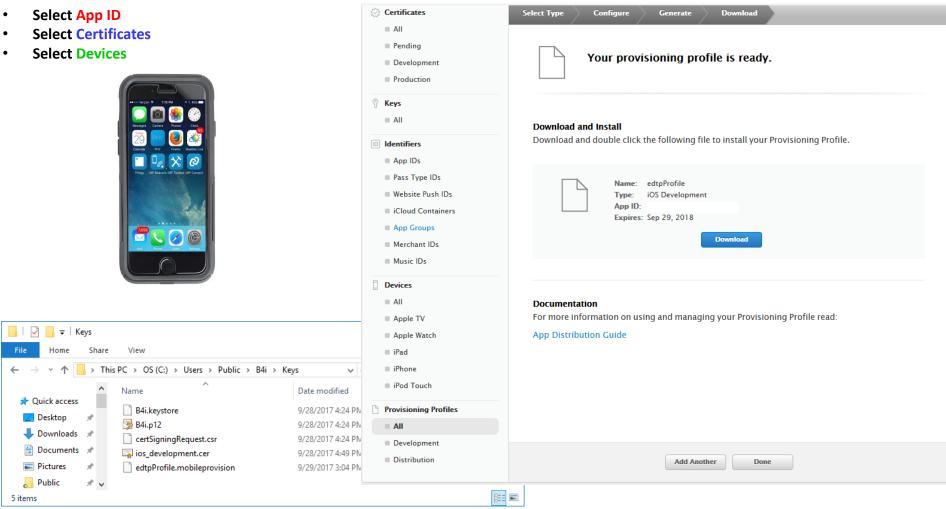








## Lay Your Money Down and Take a Byte Establish a Provisioning Profile



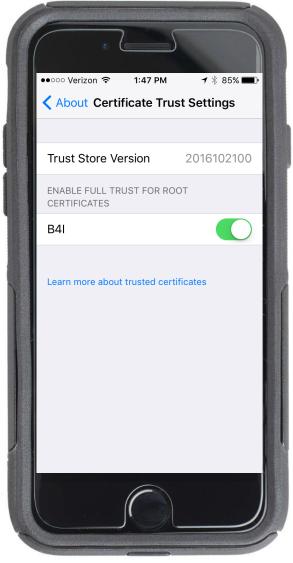






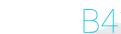


### **IoT Programming with Basic for iOS Install the B4i Bridge**

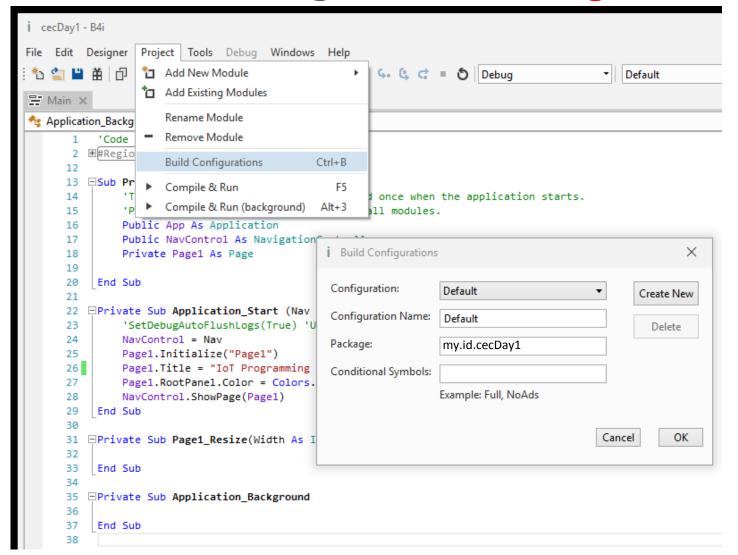








### **Install the B4i Bridge – Define Configuration**



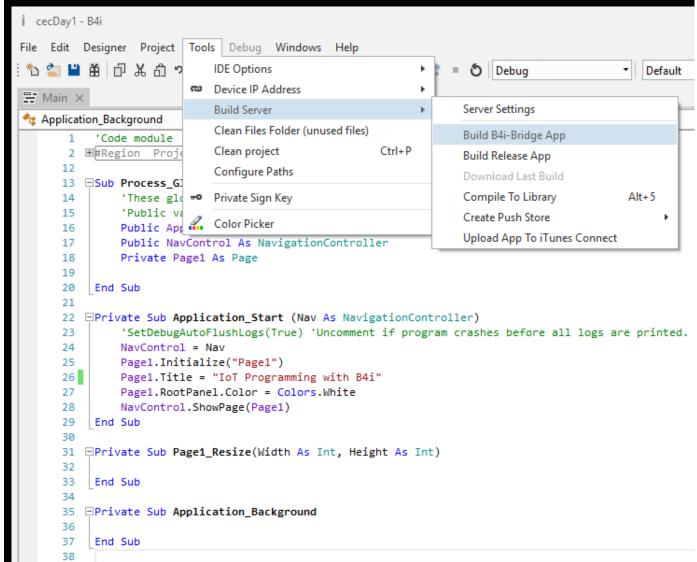








# IoT Programming with Basic for iOS Install the B4i Bridge — Build the Bridge



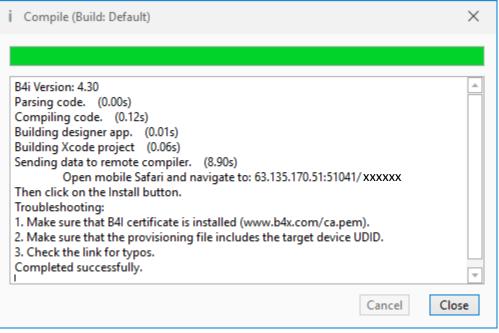
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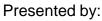
### Install the B4i Bridge – Install App















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### **Install the B4i Bridge – Connect and Debug**

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cecDay1 - B4i
File Edit Designer Project Tools Debug Windows Help
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                                                                      ■ ⑤ Debug
                               IDE Options
                           Device IP Address
                                                                       New IP
Main ×
                               Build Server
                                                                       iPhone 5s - 192,168,1,17 F2
Application_Background
                               Clean Files Folder (unused files)
                                                                       Simulator
            'Code module
                               Clean project
                                                          Ctrl+P
          ⊞#Region Proje
       12
                               Configure Paths
          □Sub Process_GI
       13
                'These glo - Private Sign Key
                                                                   en the application starts.
       14
                'Public va
       15
                Public App ... Color Picker
       16
                Public NavControl As NavigationController
       17
       18
                Private Page1 As Page
       19
           End Sub
       20
       21
          □Private Sub Application_Start (Nav As NavigationController)
       22
       23
                'SetDebugAutoFlushLogs(True) 'Uncomment if program crashes before all logs are (
                NavControl = Nav
       24
       25
                Page1.Initialize("Page1")
       26
                Page1.Title = "IoT Programming with B4i"
                Page1.RootPanel.Color = Colors.White
       27
                NavControl.ShowPage(Page1)
       28
       29
           End Sub
       30
          □Private Sub Page1_Resize(Width As Int, Height As Int)
       31
       32
       33
           End Sub
       34
       35
          □Private Sub Application_Background
       36
       37
            End Sub
       38
```











### Install the B4i Bridge – Run as Red

```
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File Edit Designer Project Tools Debug Windows Help
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                                                                                             Default
Main X
Application_Start
           'Code module
         ⊞#Region Project Attributes
      12
      13 □Sub Process Globals
      14
               'These global variables will be declared once when the application starts.
      15
               'Public variables can be accessed from all modules.
               Public App As Application
      16
      17
               Public NavControl As NavigationController
      18
               Private Page1 As Page
      19
      20
          End Sub
      21
      22 

Private Sub Application_Start (Nav As NavigationController)
      23
               'SetDebugAutoFlushLogs(True) 'Uncomment if program crashes before all logs are printed.
      24
               NavControl = Nav
      25
               Page1.Initialize("Page1")
      26
               Page1.Title = "IoT Programming with B4i"
      27
               Page1.RootPanel.Color = Colors.Red
      28
               NavControl.ShowPage(Page1)
      29
           End Sub
      30
         □Private Sub Page1_Resize(Width As Int, Height As Int)
      32
      33
          End Sub
      34
      35 ⊟Private Sub Application Background
      36
      37
           End Sub
      38
```











### Day 1's Done

- We Installed B4i on a Windows-based Personal Computer
- We Took a Big Byte of the Apple
- We Built a Bridge
- We Successfully Used Our Bridge to Verify Our New B4i System

```
i cecDay1 - B4i
File Edit Designer Project Tools Debug Windows Help
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Main X
Application_Start
           'Code module
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      29
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      30
      31 Private Sub Page1 Resize(Width As Int, Height As Int)
      32
      33
           End Sub
      34
      35 ⊟Private Sub Application Background
           End Sub
```











