

# Apple Watch

Common problems and workarounds  
+ useful tips

Press one button  
join.me calls you  
Your meeting starts





# Season 1, Episode 1

The companion iOS app suddenly  
pauses execution

beginBackgroundTaskWithExpiration  
Handler

## Season 1, Episode 2

Debugging the companion iOS app if  
launched through the Apple Watch  
app

Pause
Continue To Current Line
Step Over
Step Into
Step Out
Step Over Instruction
Step Over Thread
Step Into Instruction
Step Into Thread

^⌘Y
^⌘C
F6
F7
F8
^F6
^⇧F6
^F7
^⇧F7

Capture GPU Frame
Simulate Location
Simulate Background Fetch
iCloud
View Debugging

▶
▶
▶
▶
▶

Deactivate Breakpoints
Breakpoints
Debug Workflow
Attach to Process
Detach

⌘Y
▶
▶
▶
▶

```

upcomingMeetings.count > 0) {
    TMSessionDesc* sessionDesc = [[Ba

```

2
Running join.me on iPad 2

completionHandler:
<
!
>

0
x
<
|
>
Done

46
47
48
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55
56
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60
61
62

if (!isTI
SAFE
});
retu
}
return Ni
}
- (BOOL)crea
(VoidBlo
assertMa
NSUserDe

PID or Process Name
join.me

If you enter a process name that isn't currently running, the debugger will wait for that process to start (for example, by you launching it from the Dock or Finder).

Debugger
LLDB

Debug Process As
☒ Me (csszigei)
☐ root

Use this option to debug a root process.

Cancel

Attach

## Season 1, Episode 3

Black screen on watch simulator  
(instead of watch app start)



 | 
 < | 
 > | 
 ios > | 
 join.me > | 
 join.me WatchKit Extension > | 
 Supporting Files > | 
 Info.plist

Key	Type	Value
▼ Information Property List	Dictionary	(13 items)
MinimumOSVersion	String	8.2
Localization native development r...	String	en
Bundle display name	String	joinme WatchKit Extension
Executable file	String	\$(EXECUTABLE_NAME)
Bundle identifier	String	\$(BUNDLE_IDENTIFIER)
InfoDictionary version	String	6.0
Bundle name	String	\$(PRODUCT_NAME)
Bundle OS Type code	String	XPC!
Bundle versions string, short	String	1.0
Bundle creator OS Type code	String	????
Bundle version	String	3.0.1977
► NSExtension	Dictionary	(2 items)
RemoteInterfacePrincipalClass	String	InterfaceController

szigetics  
simctlWrapper

**GitHub**



Season 1, Episode 4

Code Signing

Season 1, Episode 5

App layout

/Applications/Xcode.app/Contents/  
Developer/Platforms/iPhoneOS.platform/  
Developer/SDKs/iPhoneOS.sdk/Library/  
Application Support/WatchKit/WK

- Payload
  - MyApp.app
- WatchKitSupport
  - WK

Season 1, Episode 6

Re-Signing

Season 1, Episode 7

Validation

szigetics  
ios-build-validation-steps

**GitHub**





# Season 1, Episode 8

Season finale

## Xcode Server