

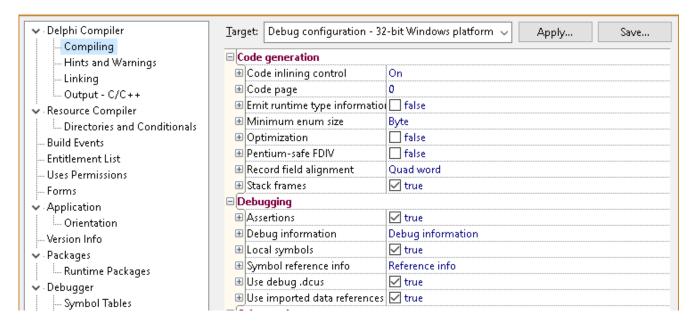
Técnicas de Depuración y Log de Aplicaciones

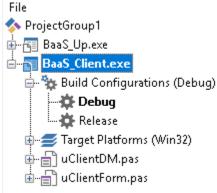
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AGENDA

- Debugging
 - Debugger/Project Options
 - Breakpoints
 - Call Stacks
 - Local Variables
 - Watches
 - Source breakpoints (Conditions, Pass count, Log message)
- Debug Remoto (PAServer)
- Log
 - Log.d ()
 - Herramientas

DEBUGGER/PROJECT OPTIONS



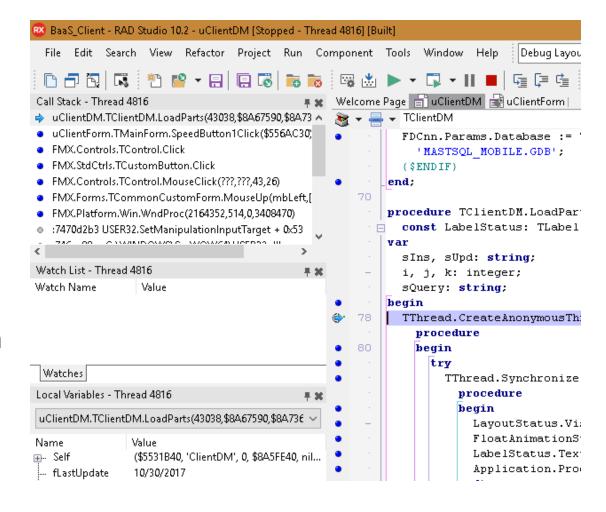


BREAKPOINTS

- F9 Run/Start
- F8 Step over to next source line
- F7 Trace into (source of function/procedure)
- F4 Run to cursor (and skip the other source lines)
- F5 Add/remove break

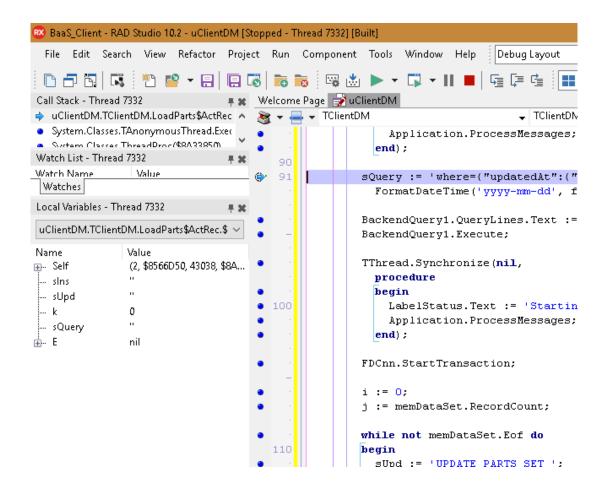
CALL STACKS

 La ventana Call Stack muestra las llamadas que le llevaron a su ubicación actual del programa y los argumentos pasados a cada llamada de función.



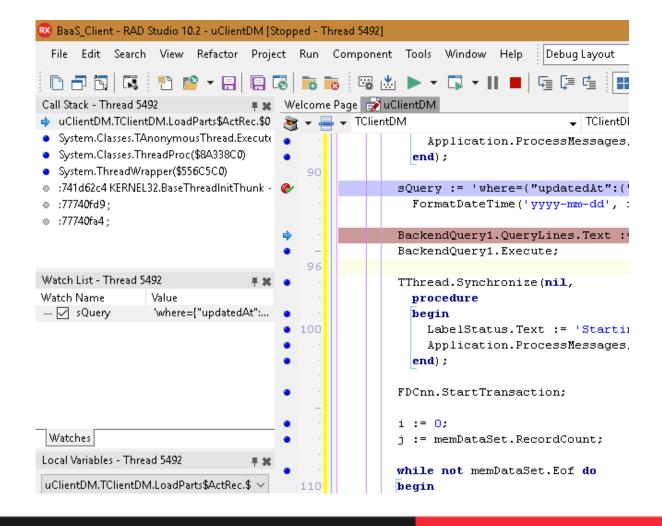
LOCAL VARIABLES

 Esta ventana mostrará todas las variables locales y su valor actual en la función o procedimiento actual.

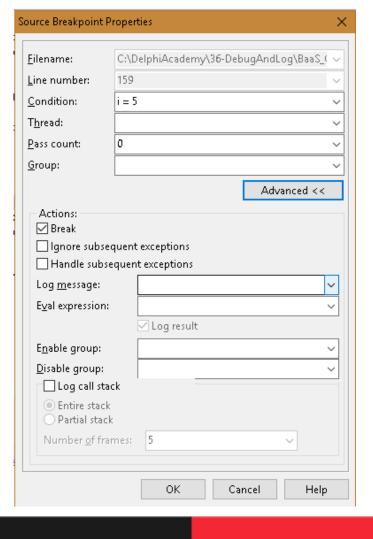


WATCHES

 Haga clic con el botón derecho del ratón y seleccione Agregar Watch.



SOURCE BREAKPOINTS (CONDITIONS, PASS COUNT, LOG MESSAGE)



DEBUG REMOTO (PASERVER)

 Permite la depuración remota en todas las plataformas, móviles y desktop

```
paserver 19.0
Platform Assistant Server Version 10.0.1.23
Copyright (c) 2009-2017 Embarcadero Technologies, Inc.
Connection Profile password <press Enter for no password>:
Starting Platform Assistant Server on port 64211
Type ? for available commands
192.168.254.145
  - stop the server
  - print all clients
  - print port number
  - print available IP addresses
  - print scratch directory
  - generate login passfile
  - toggle verbose mode
```

LOG.D

- Disponible para FMX (en este momento)
- Proporciona métodos estáticos para mensajes de depuración
- http://docwiki.embarcadero.com/Libraries/Berlin/en/FMX.Types.Log
- http://docwiki.embarcadero.com/Libraries/Berlin/en/FMX.Types.Log.d

Description and Parameters	Code Snippet
Simple debug message.	Delphi:
> Msg: The text of the message.	Log.d('Simple Message');
	C++:
	Log::d("Simple Message");

HERRAMIENTAS

- https://www.raize.com/devtools/codesite/ (*)
- https://smartbear.com/product/aqtime-pro/overview/ (*)
- http://www.gurock.com/smartinspect/
- https://github.com/danieleteti/loggerpro
- https://docs.microsoft.com/enus/sysinternals/downloads/debugview
- https://developer.android.com/studio/profile/monitor.html

DEMOS

RECURSOS ADICIONALES

Documentación

- http://docwiki.embarcadero.com/RADStudio/Tokyo/en/Debugging_Applications Index
- http://docwiki.embarcadero.com/RADStudio/Tokyo/en/Debugging Multi-Device Applications
- http://docwiki.embarcadero.com/RADStudio/Tokyo/en/PAServer, the Platf orm Assistant Server Application
- http://docwiki.embarcadero.com/RADStudio/Tokyo/en/Paclient.exe, the Platform Assistant Client Application
- http://docwiki.embarcadero.com/Libraries/Berlin/en/FMX.Types.Log.d

Blogs

- http://www.blong.com/Conferences/BorCon2002/Debugging/3188.htm
- http://www.davidghoyle.co.uk/WordPress/?p=1754
- https://github.com/marcocantu/ObjectDebugger

GRACIAS!

Preguntas?

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Síguenos en fb.com/EMBTLatAm