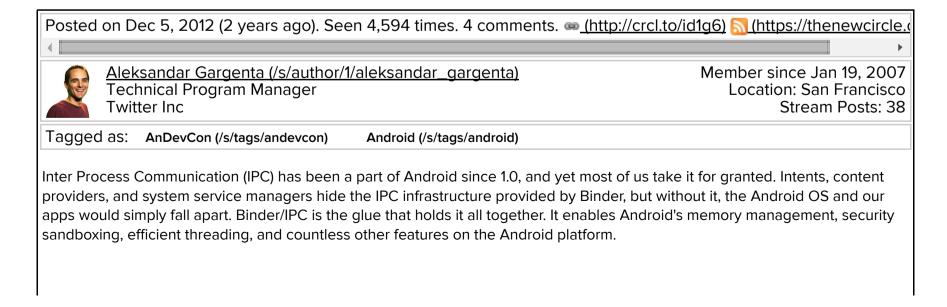


Deep Dive into Android IPC/Binder Framework at AnDevCon IV



I had the privilege of talking about Binder at <u>AnDevCon IV on Dec 5th, 2012</u>

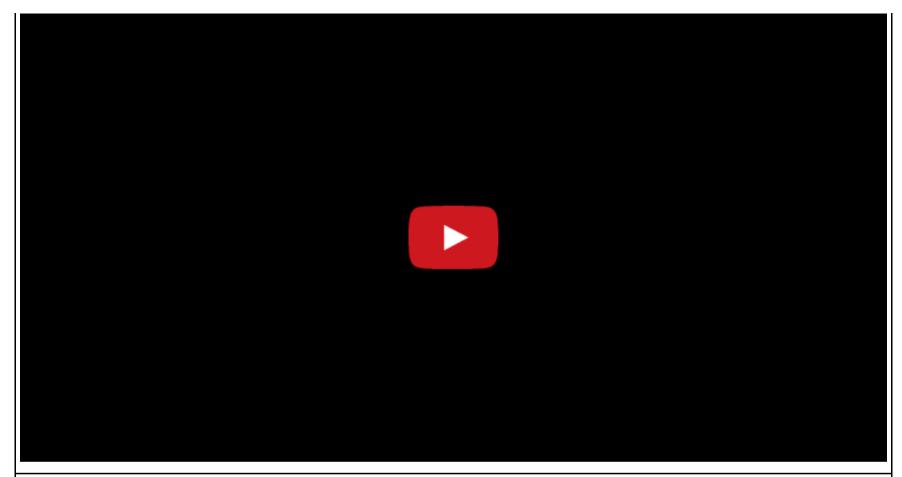
(http://www.andevcon.com/AnDevCon_IV/classes.aspx), so I thought it would make sense to post my slides and screencast here.

In this talk we will first go wide and discuss IPC on Android in general. We'll see what it makes possible not just for system framework APIs, but also for us, Android developers, who can take advantage of it to build efficient suites of Android apps. We'll tackle both Java and C++, standard and custom data types, sync and async execution modes, wide-open and secured services.

We'll then go deep and get to the bottom of Binder. We'll discuss how it works from the kernel driver all the way to the application code, including its threading context, discovery mechanisms, security implications, instrumentation and debugging, latency, and comparisons to other frameworks. Finally, we'll discuss its limitations and how to best deal with situations where we need to efficiently exchange large memory blobs or files with remote processes.

Binder/IPC certainly does not fall into the new or sexy category, but if you want to learn about how Android really works or build apps that talk to each other efficiently, then you should check this out.

- <u>Deep Dive into Android IPC/Binder Framework slides</u>
 (http://thenewcircle.com/s/post/1340/Deep_Dive_Into_Binder_Presentation.htm)
- Deep Dive into Android IPC/Binder Framework screencast:



This post is part of Marakana at AnDevCon IV: Four Presentations for Serious Developers (/s/post/1349/andevcon iv video presentations android developers).

Comments

Posted on Dec 7, 2012



Marko Gargenta @MarkoGargenta Member since Jan 19, 2007 Location: San Francisco

Nice one! Great job.

Posted on Feb 6, 2013



Mayank Verma Sony Software

Hello can u please provide pdf or slides for the given vedio . And ur video is really amazing .

Posted on Feb 6, 2013



Aleksandar Gargenta Technical Program Manager Twitter Inc Member since Jan 19, 2007 Location: San Francisco

I'm glad you find the video useful.

To answer your question, I authored the content in such a way that the end-result is an <u>HTML-based slide-deck</u> (http://thenewcircle.com/s/post/1340/Deep_Dive_Into_Binder_Presentation.htm) (link also provided in the post above). I don't have PPT/PDF version of it.

Posted on Jun 23, 2013



Prakash Kamliya Qualcomm, Inc. Member since Jun 23, 2013

Really a deep drive into Binder. Thanks

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