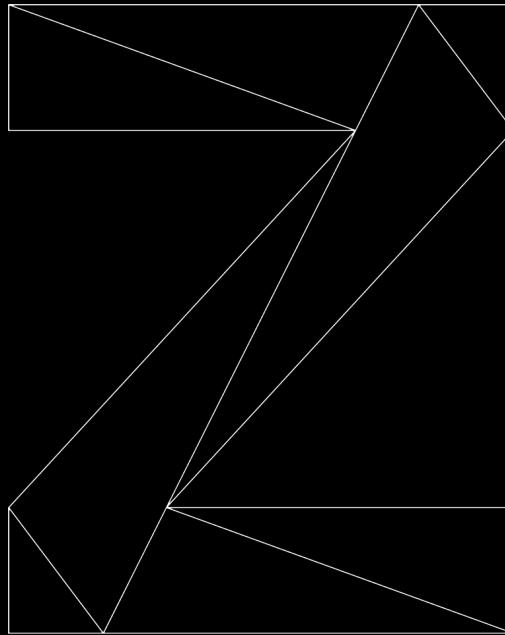


How z/OS is Changing to support your DevOps Transformation

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What occurs in a second?



Tweets
7,812



Facebook posts
15,650



Tinder swipes
16,500



Snapchat snaps
30,000



Google Searches
63,386



YouTube views
71,381



CICS + IMS Transactions
4,226,574

<http://www.internetlivestats.com/one-second/#email-band>

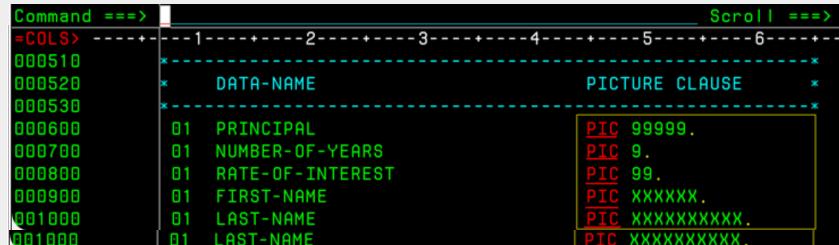
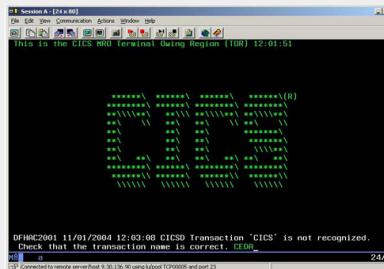
<http://uk.businessinsider.com/everything-that-happens-in-one-minute-on-the-internet-2017-9?r=US&IR=T>

Is this still your view of CICS and IMS?

It is true that CICS TS and IMS can be a transaction processing monitor for COBOL and PL/I programs.

It is true that CICS TS and IMS can reliably process hundreds of thousands of transactions every second.

It is true that CICS TS and IMS still provides the core applications for the world's largest companies.



Or how about this?



It is also true there are simple and powerful mechanisms for building and extending CICS and IMS applications.

It is also true CICS and IMS can easily be integrated into DevOps pipelines built on popular open source technologies.

A composite screenshot of a developer's desktop environment. At the top, the IBM Rational Application Developer interface shows a 'Project Explorer' with various Java and CICS projects, and a 'Code Editor' displaying Java code for a CICS application. To the right, the 'Bundle Overview' and 'Deployment Descriptor' tabs are visible. Below these, the 'Erlang Analysis Browser' shows a complex dependency graph between files like 'com.cics.example.jcl'. In the center, the 'Container Overview' window displays a diagram of a CICS container with components like 'Container', 'spfMemberContainer', 'Container', and 'createContainer'. To the right of the container diagram, a 'Debug' window shows a call stack for a 'SAM1 (Browsing, Remote Debug Session)' on 'Platform ZOS-PRCLMAIN'. Further down, a 'Script1.sql' and 'Script2.sql' editor window shows SQL queries against a 'HOSPITAL' database. On the far right, a 'Program Control Flow' diagram illustrates the flow of transactions between programs like 'SAM1', '720-POSITION-CUST-FILE', '721-COPY-RECORDS', and '720-READ-TRAN-FILE'. A small purple IBM IMS logo with a blue arrow is located in the bottom right corner of the screen.

Zowe framework and ecosystem at a glance



Core Zowe includes API
Mediation Layer,
Command Line Interface
(CLI), and Web User
Interface

Vendors can build 'Zowe Compliant' plugins that will leverage this framework.



Cloud and z/OS



z14 Single Frame

Enhanced system modularity

Standardization to enable rapid integration

Build for the cloud data centers



Modern Languages

Flexibility for development

Tools integration



IBM z14 – Optimized for Java

Pause-Less Garbage Collection

- Guarded Storage Facility

Cryptographic Function (CPACF)

- Improved performance of crypto co-processors
- GCM, SHA-3 hardware acceleration
- True Random Number Generator

Single Instruction Multiple Data (SIMD)

- Improved performance
- 32-bit floating point enhancements
- Packed Decimals support

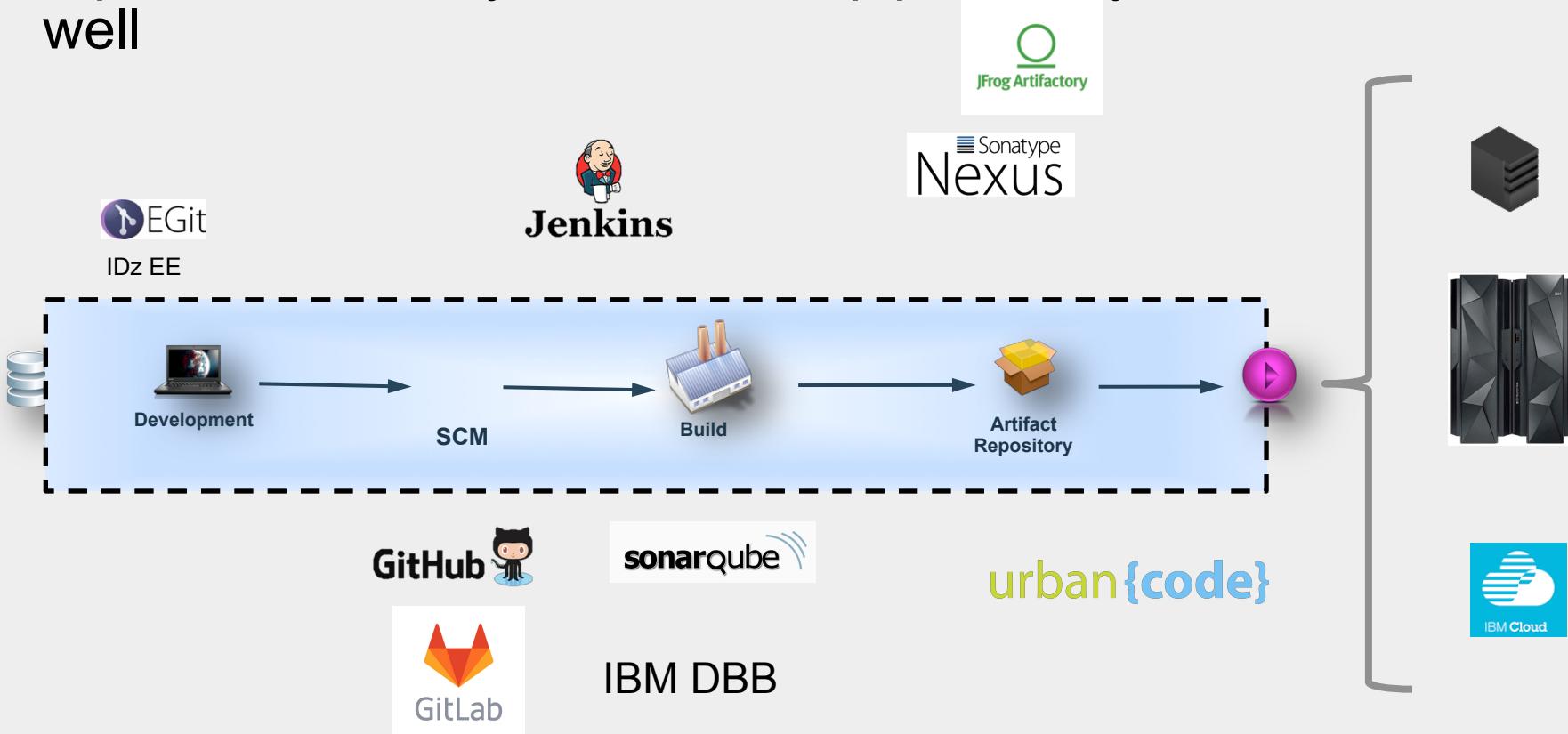
New Instructions

- Hot cache line hints
- Arithmetic half-word operations

New **5.2 GHz** 10-core Processor Chip
672 MB L4 cache: Optimized for data serving
Improved **SMT-2** performance (**zIIP + IFLs**)



Pipeline – what's your standard pipeline – you can use it for z as well



Help I need

- What open Source tools or products do you need/want for your pipeline that don't today run on z/OS?
- Help me get the message out, you can do DevOps on the Mainframe the same as any other platform!

Additional Questions?
I will be around all week or slack





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