Understanding JikesRVM- Research Virtual Machine/HeraJVM w.r.t IoT Informatics R&D.

[Experimenting Ideas → Java + Ruby in JVM/Jruby/OpenJIT Compiler IoT Environment/s]

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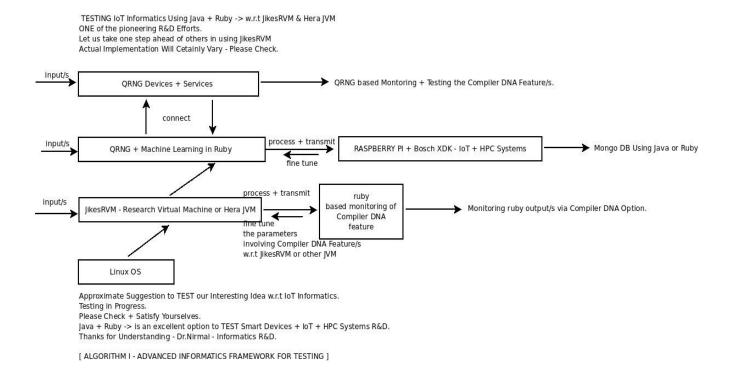
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[I] Main Idea + Inspiration + Introduction :

Understanding Compiler DNA Options & Examining the Computational Aspects of Various Compilers Used in the Adaptive Optimization System w.r.t JikesRVM − Research Virtual Machine/Hera JVM − Java Virt Machine + QRNG-Ruby/mruby Options/JRuby + OpenJIT Compiler System + Mongo DB With Java/Ruby → Next Generation Smart Devices + IoT + HPC Informatics.

[II] JikesRVM + Ruby + QRNG + OpenJIT Java Based R&D Informatics Framework:



[Figure I - Algorithm I - Advanced Informatics R&D Framework]

** Ideas mentioned are not straight forward for implementation. Please make a note.

ONE of the pioneering R&D Efforts. Let us take one step ahead of others in using JikesRVM Actual Implementation Will Cetainly Vary - Please Check input/s QRNG Devices + Services QRNG based Montoring + Testing the Compiler DNA Feature/s. connect process + transmi QRNG + Machine Learning in Ruby RASPBERRY PI + Bosch XDK - IoT + HPC Systems Mongo DB Using Java or Ruby fine tune could be considered for advanced research] ruby based monitoring of input/s Monitoring ruby output/s via Compiler DNA Option. Compiler DNA feature the parameters involving Compiler DNA Feature/s w.r.t JikesRVM or other JVM Linux OS Approximate Suggestion to TEST our Interesting Idea w.r.t IoT Informatics. Testing in Progress.
Please Check + Satisfy Yourselves. Java + Ruby -> is an excellent option to TEST Smart Devices + IoT + HPC Systems R&D. Thanks for Understanding - Dr.Nirmal - Informatics R&D [ALGORITHM II - ADVANCED INFORMATICS FRAMEWORK FOR TESTING]

[Figure II – Algorithm II – Advanced Informatics R&D Framework]

[III] Important References/s:

[a] https://github.com/tejdnk-2019-ShortNotes

TESTING IoT Informatics Using Java + Ruby -> w.r.t JikesRVM & Hera JVM

- [b] http://jikesrym.org && http://www.jikesrym.org/Resources/Publications/
- [c] HeraJVM](https://github.com/rmcilroy/HeraJVM), a JVM implementation for the Cell processor. See the thesis [Using program behaviour to exploit heterogeneous multicore processors](http://theses.gla.ac.uk/1755/) by Ross McIlroy or the paper "Hera-JVM: A Runtime System for Heterogeneous Multi-Core Architectures".
- [d] https://www.openjit.org/
- [e] https://www.jruby.org/
- **[IV] Acknowledgment/s :** Non-Profit R&D. Thanks to all WHO made this happen in my LIFE. Inspire Others Always.

[THE END]