TensorFlow Tool Interaction with JikesRVM in the Context of Virtual Machine Technologies R&D - A Short Communication On Using TensorFlow Based Informatics in the Domains of Nuclear Physics/Plasma Measurements or Other Similar Applications.
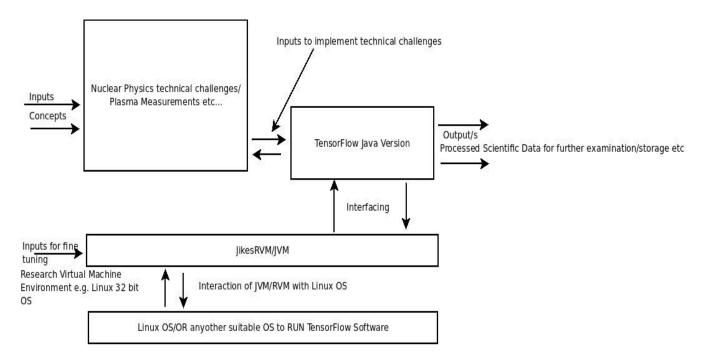
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Our Inspiration & Main Idea :

As mentioned in the TITLE above,we are interested in probing "Plasma Measurements" using TensorFlow/JikesRVM/JVM as an Information Processing Framework.Only a suggestion.Actual implementations could vary to some extent.Readers Kindly Note.
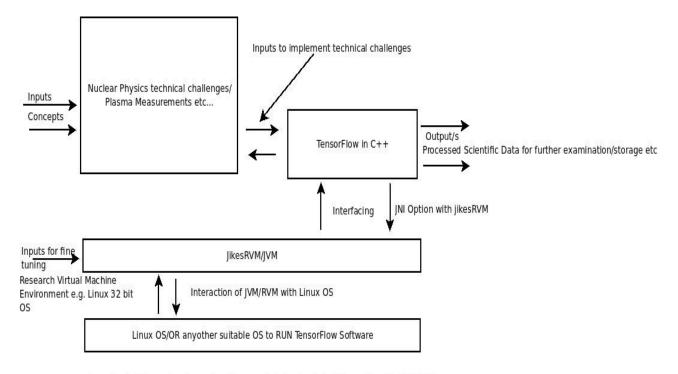
"Machine Learning in the world of Nuclear Physics..." Please see Ref[1].For other information please see the respective websites/technical blogs mentioned in this short communication.

Implementation Framework :

Approximate Information Processing Framework in the Context of TensorFlow/JikesRVM Setup.

Figure I – Approximate Informatics Environment to "Probe TensorFlow/JikesRVM Applications".

Approximate Information Processing Framework in the Context of TensorFlow/JikesRVM Setup.

Figure II - Approximate Informatics Environment to "Probe TensorFlow/JikesRVM Applications".

Acknowledgment/s :

Additional Information on Software Used :

[1] Tensor FLOW - { https://github.com/tensorflow/tensorflow/tree/r1.8/tensorflow/java }
{ https://en.wikipedia.org/wiki/TensorFlow }

[2] JikesRVM -   { https://www.jikesrvm.org/ }
{ https://github.com/JikesRVM/JikesRVM }

[3] Plasma Measurements - { There are many University/Institutes related Websites/Please Check
e.g. Weizmann Institute Rehovot Israel }
{ http://plasma-gate.weizmann.ac.il/ }
{ http://plasma-gate.weizmann.ac.il/directories/plasma-on-the-internet/ }

[4] https://tomassetti.me/generating-bytecode/

[5] https://www.tensorflow.org/

References :

[1] http://www.laurencemoroney.com/machine-learning-in-the-world-of-nuclear-physics/

THE END