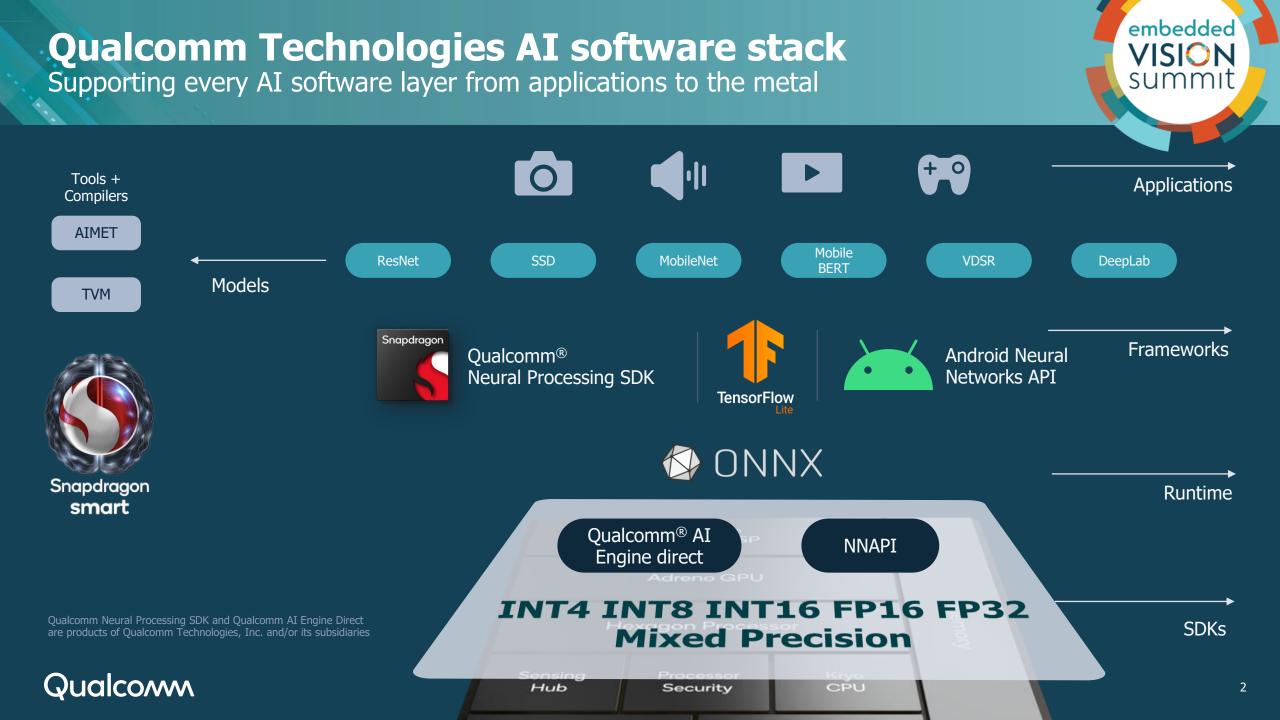
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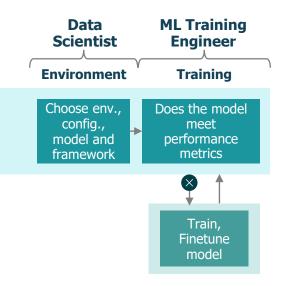


Snapdragon smart A Practical Guide to Getting the DNN Accuracy You Need and the Performance You Deserve

Felix Baum Director, Product Management Qualcomm Technologies, Inc.

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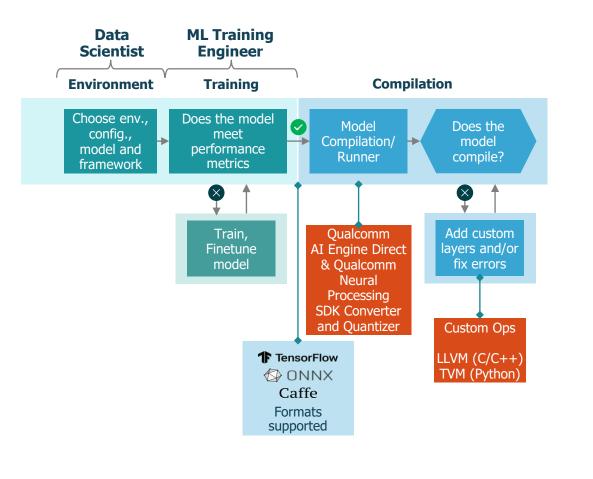
 Legend
 Customer ML Workflow
 Customer chosen sw.
 SNPE & Qualcomm AI Engine Direct Workflow
 Target Usage

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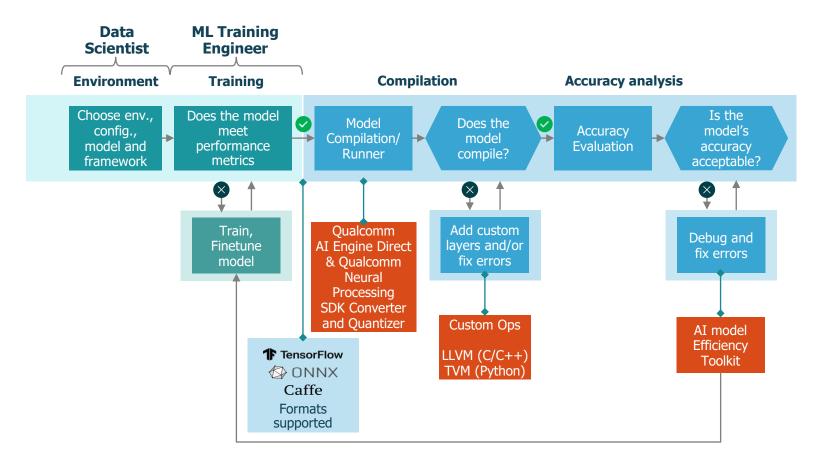


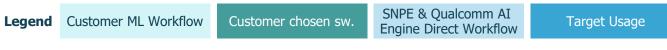
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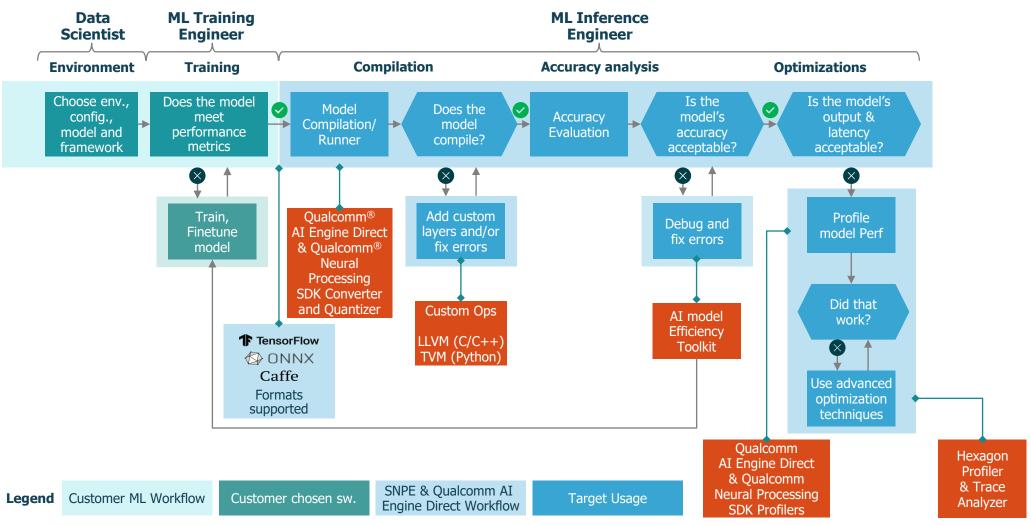


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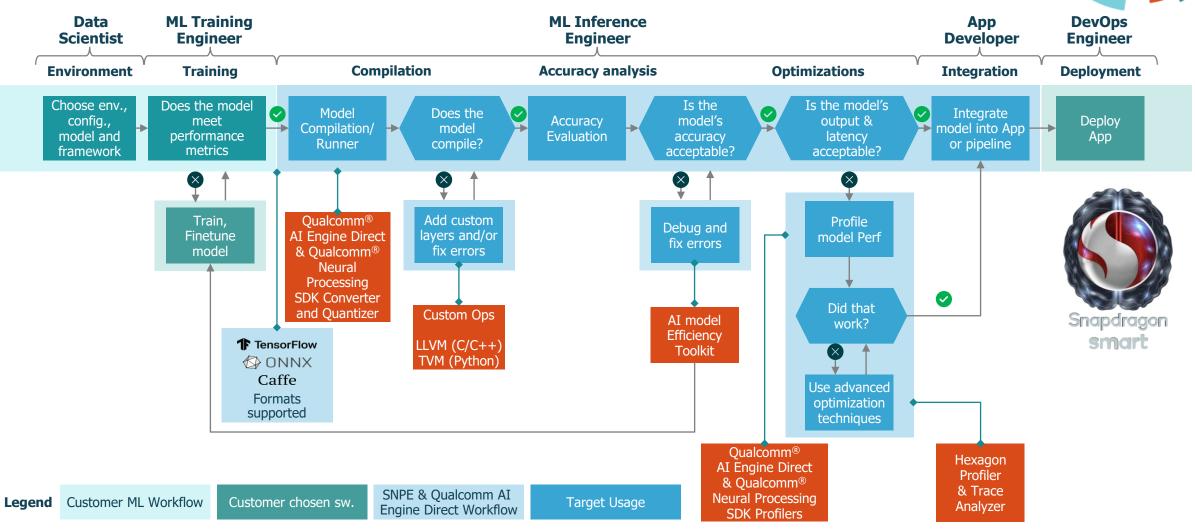
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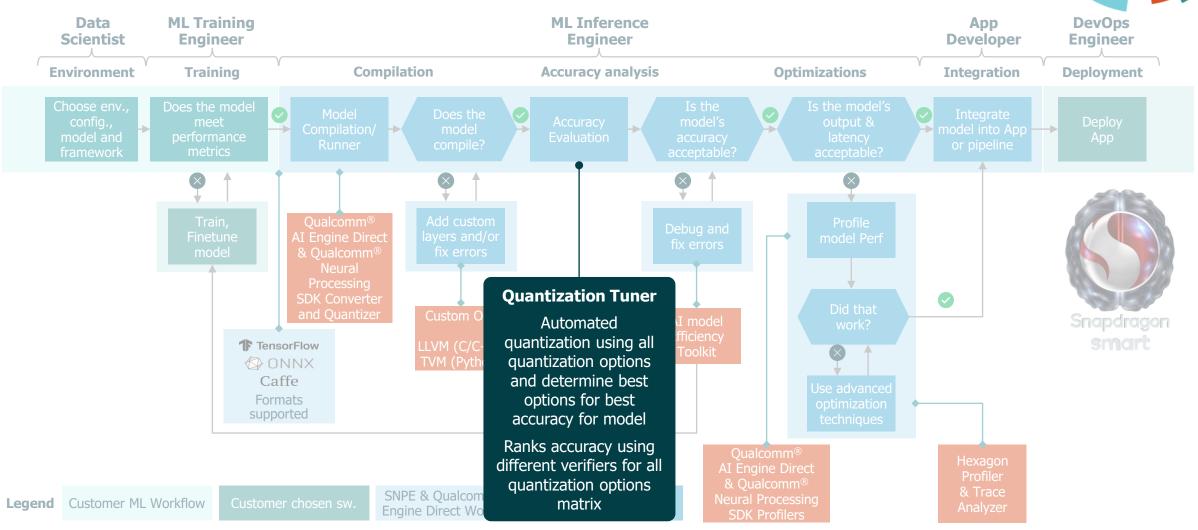
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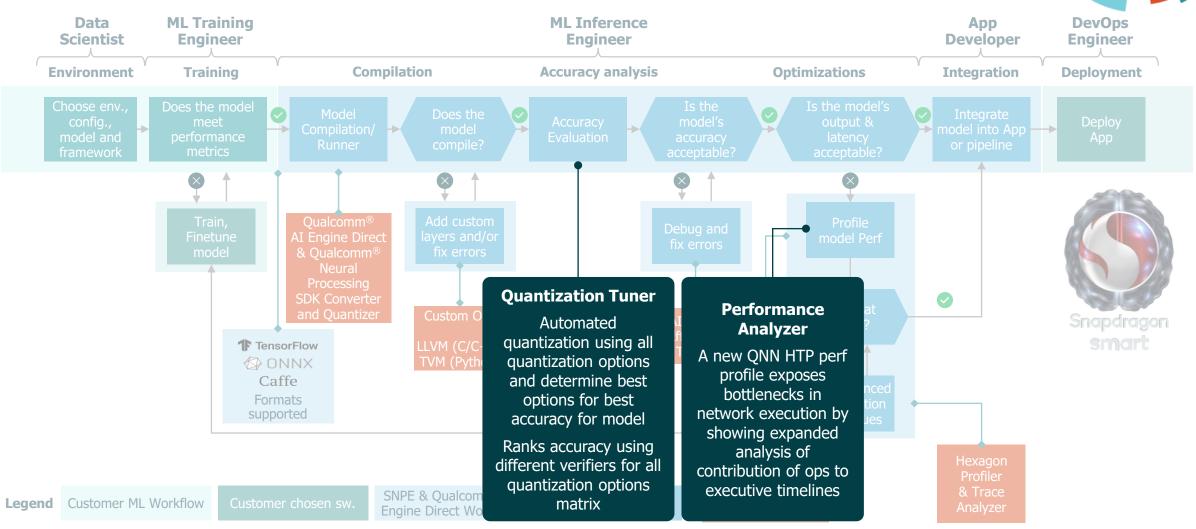
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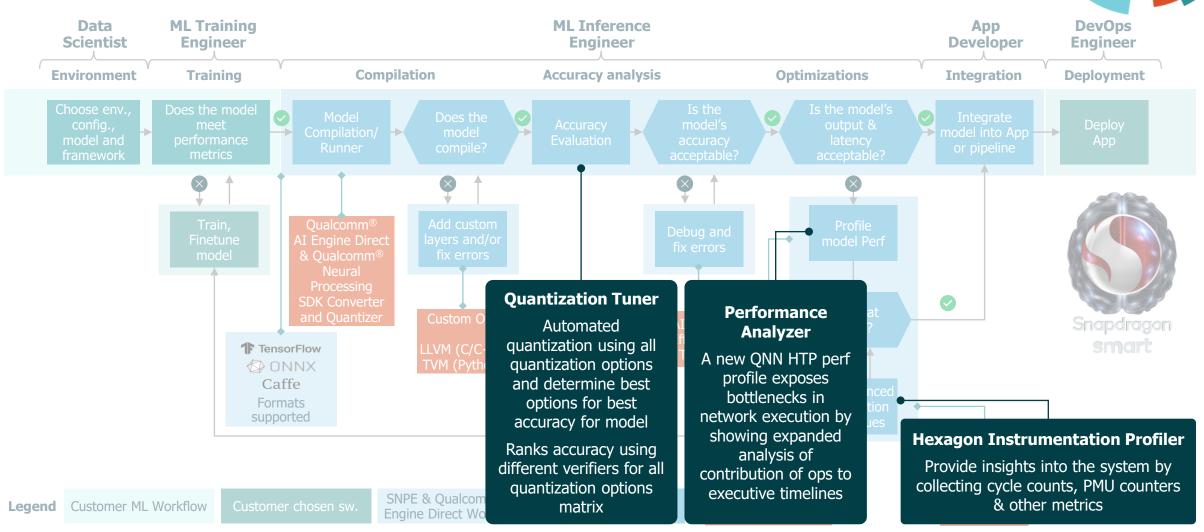
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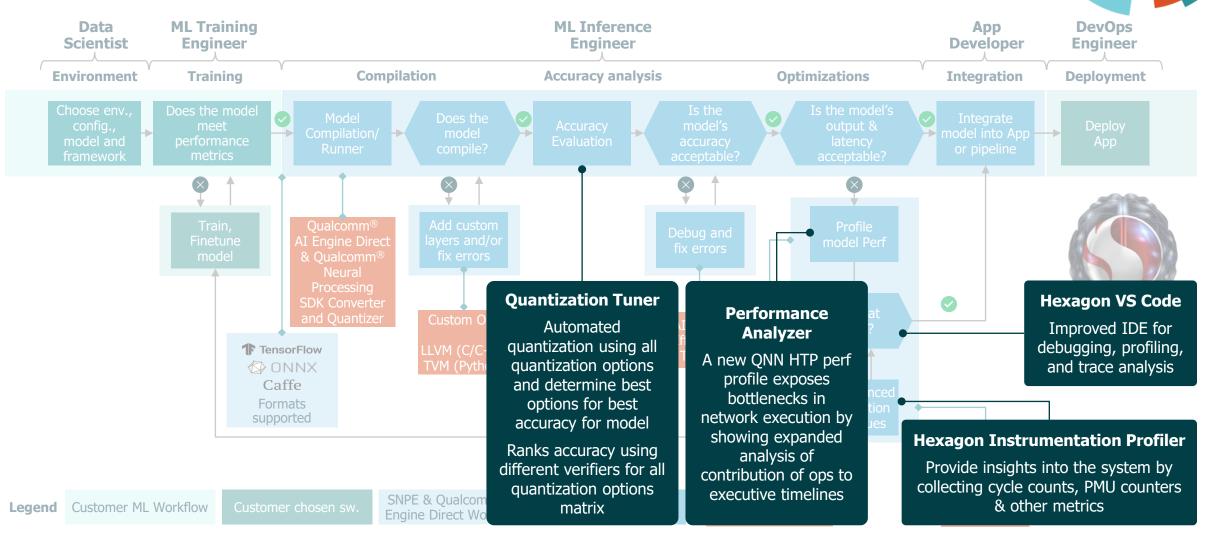
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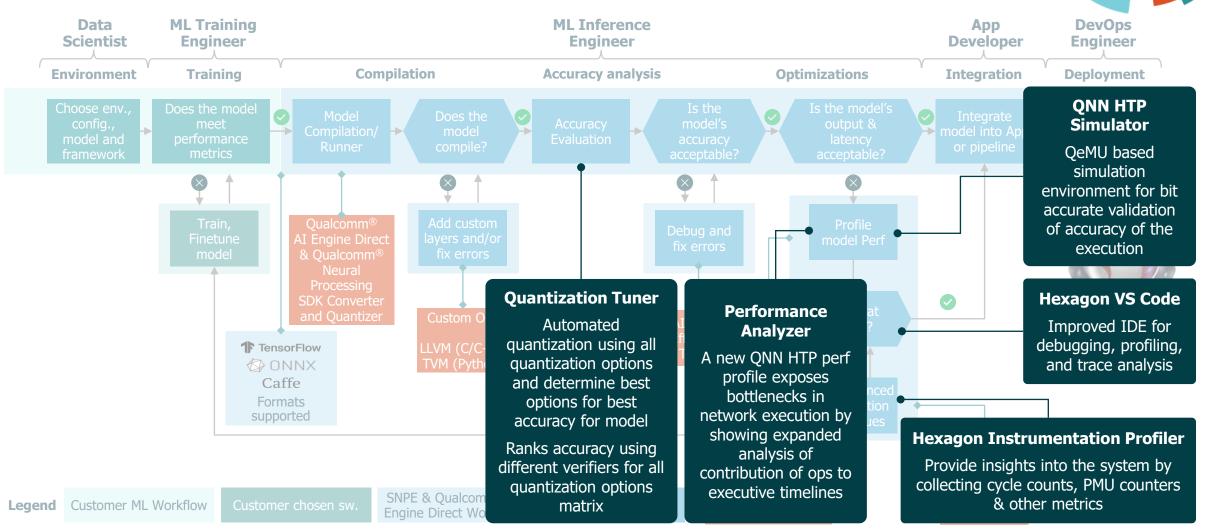
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- Not all applications are built the same way, your software stack will determine how well your application will perform
- In order to achieve your application full capacity, you need a software stack that is tailored to specifically to what you are looking to accomplish
- Different models require specific tools that only customizable stacks will offer

Resources



Qualcomm AI page:

https://www.qualcomm.com/invention/artificial-intelligence

Qualcomm AI Research:

https://www.qualcomm.com/invention/artificial-intelligence/airesearch?cmpid=fofyus193556&gclid=CjwKCAjw19z6BRAYEiwAmo64LfQ jU8vqH8TxqKTM2PZQp8JibXrjev85wLfKFknJnS_b494yZ7e_WhoCPQkQAv D_BwE

Qualcomm Platform Solution Ecosystem:

https://www.qualcomm.com/support/qan/platform-solutions-ecosystem

GitHub AI Model Efficiency Toolkit (AIMET):

https://github.com/quic/aimet

Qualcomm Mobile AI page:

https://www.qualcomm.com/products/smartphones/mobile-ai

Qualcomm Mobile AI blog:

https://www.qualcomm.com/news/ong/2020/12/02/exploring-aicapabilities-qualcomm-snapdragon-888-mobile-platform

Felix Baum, Director, Product Management fbaum@qti.qualcomm.com

2022 Embedded Vision Summit

"Powering the Intelligent Connected Edge and the Future of On-Device AI" Ziad Asghar May 18 9:30 - 10:00 AM PT

"Seamless Deployment of Multimedia and Machine Learning Applications at the Edge" Megha Daga May 17 2:40 - 3:10 PM PT

"Autonomous Driving AI Workloads: Technology Trends and Optimization Strategies" Ahmed Sadek May 17 2:05 – 2:35 PM PT

"Tools for Creating Next-Gen Computer Vision Apps on Snapdragon" Judd Heape May 18 10:50 - 11:20 AM PT

"The Future of AI is Here Today: Deep Dive into Qualcomm's On-Device AI Offerings" Vinesh Sukumar May 18 12:00 - 12:30 PM PT

Thank you

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