2024 IESC Intel® Premium Enabling Services

May 27, 2024

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Intel® Premium Enabling Services

Overview

A fee-based professional solution enabling service offered to enable customers to accomplish targeted performance using Intel technologies & software

Solution Enabling Services

The customer subscribes to 25/50/100 service hours with high-touch service SLA

Value To Customer

- Dedicated Intel solution service resources
- Enable customer time to market in technology adoption
- Complement customer software skillset needs
- Offer Edge AI Model Optimization Services (AI model recommendation, optimization, and retraining)
- Offer Edge Technology Enabling service (Manageability, Boot Time Optimization, Security, Security Verification, etc)

AI Applications

Edge AI Workload Optimization Services

Model Recommendation

Customer Provides:

KPI (FPS, TDP)

Problem Statement/ Use Case

Model Recommendation

- Model & Dataset Recommendation
- Reference Trained Model
- Tool Chain Setup (Intel® Geti™/OpenVINO™)

Performance Evaluation & Optimization

- Est. Throughput/ Latency/ Accuracy (KPI)
- Use Case Demonstration

Evaluation

- Customer Evaluate Use Case on Intel® Developer Cloud / Cloud-Based Remote Debug

Deliverables

- Recommended Model
- Baseline KPI
- Platform Suggestion
- Reference Configuration
- Tool Chain Setup

Support: AI Workload Optimization or Retraining

Network & AI Workload Optimization

Customer Provides:

Trained Model

KPI (FPS, TDP)

Sample Images

Network & AI Workload Optimization

- Model Optimization
- Model Quantization
- Hyper Parameter Tuning

Performance Evaluation & Optimization

- Est. Throughput/ Latency/ Accuracy (KPI)
- Performance Optimization & Demonstration

Co-debug

Evaluation

- Customer Evaluate Use Case on Intel® Developer Cloud / Cloud-Based Remote Debug

Deliverables

- Intel Optimized Trained Model
- Platform Suggestion
- Reference Configuration
- Performance Report
- Hyper Parameter Configuration File

Customer Deployment

Model Retraining

Customer Provides:

Trained Model

KPI (FPS, TDP)

Full Datasets

Model Retraining

- Model Selection
- Retrain /Optimize the Model
- Model Quantization
- Hyper Parameter Tuning

Performance Evaluation & Optimization

- Est. Throughput/ Latency/ Accuracy (KPI)
- Performance Optimization & Demonstration

Co-debug

Evaluation

- Customer Evaluate Use Case on Intel® Developer Cloud / Cloud-Based Remote Debug

Deliverables

- Intel Optimized Trained Model
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- Performance Report
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Customer Deployment

Edge Technology Enabling Services

Boot Time Optimization

- Boot Time Optimization for Platform

Requirement	Training	Customization	Deliverables	Deployment
• Linux*-based OS • Slim Boot Loader (SBL) • Platform supported by SBL	• SBL Training	• Achieve Desired Boot Time Within Platform Capability	• Boot Time Optimization Steps Using SBL	• Demo • Co-work with Customers on SBL

Security Verification

- Secure Boot Verification
- Data Protection and Encryption
- Hardware-based Security
- AI Asset Protection

Requirement	Training	Customization	Deliverables	Deployment
• Customer Use Case • Security Requirement • Security Technology Scope within the Platform Support	• Getting Started Tutorials • Security Technology Training	• Performance and Security Trade-off • Debug Session	• Security Feature Recommendation • Reference Configuration	• Reference Implementation • Whitepaper Publication • Co-work with Customer

Manageability

- Device Onboarding in Manufacturing using FDO
- Open Active Management Technology

Requirement	Training	Customization	Deployment
• Use Case • Device Management Requirement • Architecture Review	• Device Onboarding Supply Chain Overview • Out-of-Band device Management Solution Overview	• Scripting for Automation Device Initialization Process • Hardware Enablement • Device Verification • Live Debug (remote/ onsite)	• Demo • POC • Pilot

For further information, contact:

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