System Overview

Introduction

The Habana system has two nodes, i.e., habana-01 and habana-02. Each node has eight Gaudi processors.

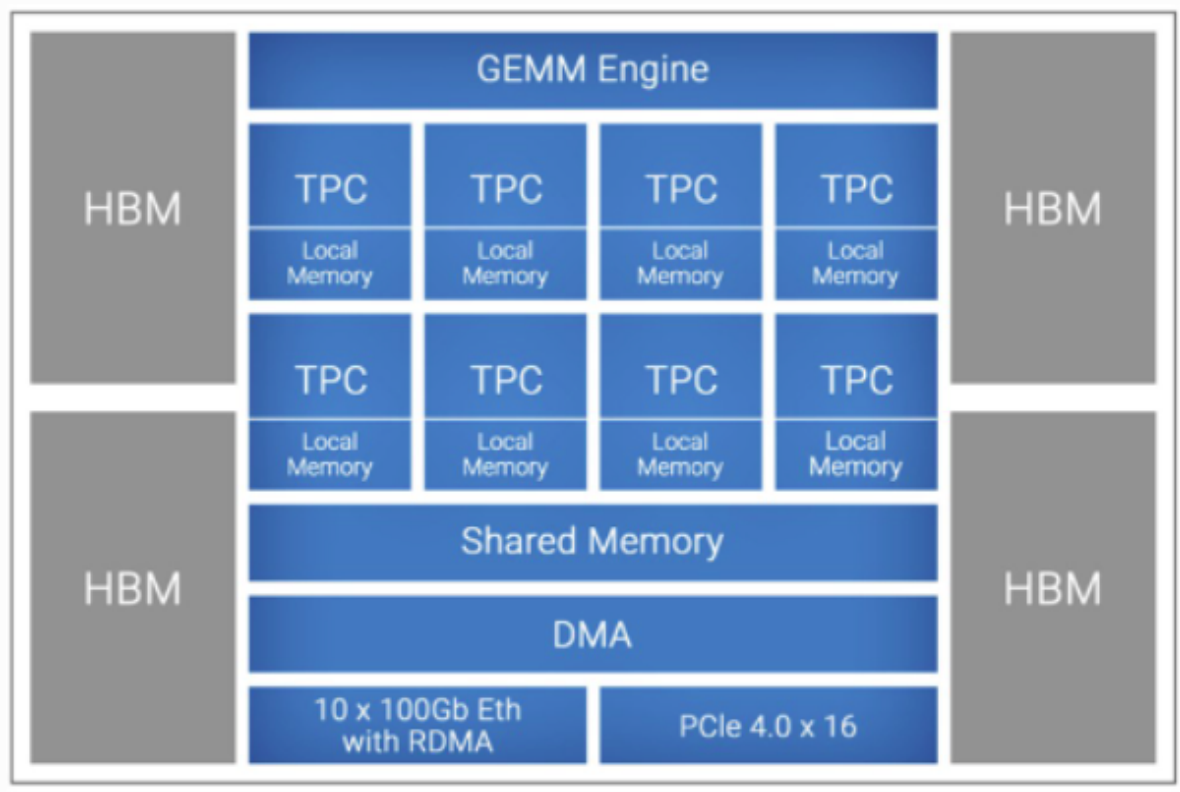
The system supports **PyTorch** and **TensorFlow** frameworks.

The **Gaudi** architecture includes a cluster of fully programmable **TPCs**, Tensor Processing Cores. Along with development tools and libraries, and a configurable Matrix Math Engine.

The **TPC** is a **VLIW SIMD**, Very Long Instruction Word Single Instruction Multiple Data, processor. And, it is programmable, providing the user flexibility.

The **TPC** natively supports the following data types: FP32, BF16, INT32, INT16, INT8, UINT32, UINT16, and UINT8.

Each Gaudi has 32 GB HBM, High Bandwidth Memory. Here is the **Gaudi** processor high-level architecture.



See Gaudi Architecture for more information.

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