Telemetry Agent Building Blocks **Telemetry Server Cloud Adapter Telemetry Agent** Agent Cloud Header Agent Access Header Agent Configuration Files Vendor's Control configuration Application **Agent Library** (Data Capability Over INT, Agent log Logs Poll, and Exception) Software Abstraction OS Layer (SAL) Customer Specific Blocks Agent SDK Header Telemetry Agent Blocks User Specific Blocks **SDK Adapter** Agent Exposed Headers

Switch SDK / NOS / smart NIC

## **Telemetry Agent Features**

## Portable Architecture

- Easily integratable with third party Cloud
- Easily integratable with third party SDK
- Feature Agnostic Design
  - Runtime insertion or removal of a feature
- Priority Queueing for Packet and Interrupt based Data
- CPU Usage Optimized
  - Feature agnostic design
  - Effective management for less prioritized features,
    - Configurable data fetching interval per feature
    - Support to push feature data only at change
- Logging Support
  - Multiple log levels for ease in debugging
  - Capability to backup and maintain multiple log files
- Descriptive Doxygen commenting for easy code walk-through
- SAL for portability with other operating system

