Why legacy architectures are so different from AFA

<table>
<thead>
<tr>
<th>Legacy Architectures</th>
<th>All Flash Architectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cache Centric</td>
<td>Back-end Centric</td>
</tr>
</tbody>
</table>
Delivering low latency with Turbo Accelerator

- Average latency >50% lower
- 16x HIGHER B/W
- >50% LOWER LATENCY
- 100% WITHIN 0.5MS

Every I/O serviced in 0.5ms
Dramatic change the database behavior

1/2 of the average latency for OLTP Workloads

Increase IO density
By 4 times
Hardware is just as important as ever

- Persistent Memory
- NVMe
- ASIC
Leveraging AI for case automation

- Clustering algorithms
- Statistical models
- Pattern recognition