Fast evolution of open rack in China

Baidu Scorpio Rack

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Baidu Scorpio – The first open rack in China
Story & Future

Deployment scale: 20,000+ Racks of Scorpio
New Challenge & New Chance

- High power, high performance
- Interconnection per Node/Rack/Cluster
- Standardization and generalization

- Hybrid & flexible deployment
- High reliability
- Customer First

- Flexible allocation
- AI capacity
- Low cost solution
## Evolution of key feature

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<th>Scorpio V1</th>
<th>Scorpio V2</th>
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<td>Modularization</td>
<td>Standardization</td>
<td>Elasticity &amp; normalization</td>
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Structure on V3

- 1SU=46.5mm
- Compatibility 21' and 19' Node
- Rapid disassembly of Busbar and PDU
- Mixture deployment
- Cost down
Power solution on V3

Centralized power supply
- 48V PSU+BBU (3SU+3SU)
- 20~30kw/Rack
- Busbar: quick removal and installation
- Cornerstone of AI system development
Thermal solution on V3

- Built-in fan
- Air & Liquid cooling (Thermosiphon & Manifold)
Node system solution

- Computing & storage node, excellent TCO benefit
- Multiple CPU platform, Intel/AMD/ARM
Thank you