

Applications Need More Than IOPS and Latency

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Applications Need More Than Just IOPS and Latency

LOPS Latency

Performance consistence

Data Recovery

Endurance

Multi-vendors

Fail Cost

Reliability

Offloading

Application Optimization

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Reliability: Power Loss Protection and Data Recovery

Power loss protection challenge

Big capacity makes data recovery more difficult











There Is No Perfect Solution To Solve Everything

HOST Manage SSD

Standard SSD

- Multi-Vendor Adoption
- Offloading

- Performance Consistency
- Reliability
- Endurance
- Cost

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LEADING NEW ICT What We are Doing to Make SSD Even Better? PLOG SSD Large Scale Design **Standard SSD Optimization** \rm HUAWEI enterprise.huawei.com • Huawei Confidential • 10

LEADING NEW ICT Smart Multilevel Scheduler: Provides Great Latency 64 Client 99% Read Latency 200 150 100 50 400 800 0 200 600 1000 Smart multilevel scheduler e.g. Priority: user read > system read > user write > system write

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Smart Workload Processing: Enables Applications Experience Better



LEADING NEW ICT Smart streams: Makes More Difference Standard With Smart-Streams 20.9% 22.8% Endurance Performance Standard With Smart-Streams HUAWEI enterprise.huawei.com • Huawei Confidential • 13

HUAWEI

Dorado Achieves No.1 Performance By Smart-streams



Smartstreams

Smart-workload processing

Smartscheduler



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Dorado

Mission-Critical All-Flash Storage Lightning Fast 7 Million IOPS Unique FLASHLINK[™] Tech

Flash-oriented design, 0.5 ms consistent latency



Storage Performance And WAF Benefits Evaluation

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Large Scale Design For Cloud Storage Scenario Brings More Interesting Things







Hardware Innovation Enables Better Application Experience





THANK YOU

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