

# Samsung Key Value Ssd Enables High Performance Scaling

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### Samsung Key Value Ssd Enables

#### **Samsung Key Value SSD enables High Performance Scaling**

Samsung Key Value (KV) SSD echnology Brief Samsung Key Value SSD enables High Performance Scaling Introduction As global data continues to embrace object formats that are variable in size and unstructured, the quest for effective data conversion between object and block—level interfaces is becoming an urgent priority

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#### **Samsung Introduces Far-reaching V-NAND Memory Solutions ...**

However, Samsung’s new Key Value SSD technology allows SSDs to process data without converting it into blocks Samsung’s Key Value instead assigns a ‘key’ or specific location to each “value,” or piece of object data - regardless of its size The key enables direct addressing of a data location, which in turn enables the storage to be

#### **Standardization for a Key - Value Interface underway at ...**

to provide information concerning the SSD and memory industry and Samsung Electronics Co, Ltd and certain affiliates (collectively, “Samsung”)While Samsung strives to provide information that is accurate and up- to-date, this Presentation may Key Value SSD layers • enables a device to prepare a Key ...

#### **NVMe-oF Ethernet SSD**

intended to provide information concerning the SSD and memory industry and Samsung Electronics Co, Ltd and certain affiliates (collectively, "Samsung") While Samsung strives to provide information that is accurate and up-to-date, Key/Value Storage A Native NVMe-oF Ethernet SSD enables an ecosystem with better connectivity

### **Optimizing Flash-based Key-value Cache Systems**

Key-value Information 1 • Key-value access is dominant in web services enables three benefits, namely a unified single-level direct mapping, a cache-driven fine-grained garbage collection, and • Trace collected with running Fatcache on Samsung SSD • Block ...

### **SanDisk X300 SSD (Solid State Drive)**

SanDisk® X300 SSD (Solid State Drive) RELIABLE AND RESPONSIVE PERFORMANCE WITH LOW POWER Based on state of the art 1Ynm X3 flash technology, the SanDisk® X300 SSD SATA SAS PCIe delivers performance with high reliability and low power It features nCache™ 20, the next-generation SanDisk tiered caching technology, designed to

### **Mlcached: Multi-level DRAM-NAND Key-value Cache**

We present Mlcached, multi-level DRAM-NAND key-value cache, that is designed to enable independent re- Key PBA Mapping FTL Get (a) SSD as a block device (b) New key -value cache device Figure 3: Redundant mappings when SSDs are used as a block device and our new key-value caching device to device enables applications to directly send a

### **OpenChannel Solid State Drives NVMe Specification**

112 openchannel solid state drive specification that enables operat i on wi t h devices t hat expose t hei r physical medi a t o t he host The document contains t he def i ni t i o n f o r i dent i f y i n g geomet ry and dat a commands t o cont rol block devices, and keyvalue stores, or ...

### **Intel Solid-State Drive 510 Series**

Intel® Solid-State Drive 510 Series Intel® Solid-State Drive 510 Series Product Specification March 2011 8 Order Number: 325012-001US 25 Product Regulatory Compliance The Intel SSD 510 Series meets or exceeds th e regulatory or certification requirements

### **CloudByte Enables Storage Virtualization with the Help of ...**

applications and hundreds of database instances," Xavier explained "A key customer pain point with CloudByte customers is when the database is not getting the necessary IOPS from the underlying storage layer" CloudByte Enables Storage Virtualization with the Help of SanDisk® SSDs Solution Focus • Storage virtualization

### **Data sheet Samsung PEC Series Premium Signage Displays**

Samsung PEC Series Premium Signage Displays Sleek design displays that deliver stunning performance and high-quality, ultra-bright images Many businesses have recognized the value of digital messaging in broadcasting key information to customers To optimize the benefits • Quad core, 4 GB RAM, 128 GB solid state drive (SSD) with

### **Intel Solid-State Drive 330 Series Product Specification**

Intel® Solid-State Drive 330 Series Product Specification July 2012 2 Order Number: 327030-002US the Intel SSD 330 Series offers these key features: Shock specification is measured using Root Mean Squared (RMS) value 3 Vibration specifications assume the SSD is mounted securely with the input vibration applied to the drive-mounting

### **Breakthrough Performance for Demanding Storage Workloads**

reads/writes), and low latency of less than 11µs,2 these key capabilities make the SSD 905P a highly responsive client storage solution The SSD 905P

also enables software developers to optimize applications to take advantage of the unique attributes of Intel® Optane™ technology: low latency, and high throughput at low queue depth

### **Open-Channel Solid State Drives Specification**

Jan 29, 2018 · It enables Solid State Drives (SSDs) to expose their internal parallelism and allows 112 open-channel solid state drive Refers to Solid State Drives that conforms to this specification 113 parallel unit (PU) object store, key-value, or any other type of interface) to higher level applications The SSD manages media-centric metadata

### **2018 Internship - Memory Solutions Lab - Samsung ...**

Samsung Semiconductor, Inc is a world leader in Memory, System LSI and LCD technologies We are currently looking for a Performance Architect Intern to join our team in San Jose, CA for the summer of 2018 The Intern will be a key technical contributor in the System Architecture Lab He or she will join a team of experts in

### **Understanding Performance of SSDs in the Enterprise**

Understanding Performance of SSDs in the Enterprise Will Akin Principal Engineer, Intel NAND Solutions Group Dr John Busch Co-founder, CEO, Schooner Information Technology

### **solutions for optimizing storage and data management new 2 ...**

3 Key prerequisites 12 Technical information 800 GB Enterprise Value SATA G3HS SSD •25-inch 480 GB Enterprise Mainstream Plus SATA SSD •35-inch 120 GB, 240 GB, 480 GB, 960 GB Enterprise Entry SATA SSDs •Low cost, read-intensive SSD from Samsung

### **2017 Internship Memory Solutions Lab Samsung ...**

flash management firmware This key host interface firmware technology drives Samsung's breakthrough V-NAND technology and enables our customer to power performance-oriented, demanding enterprise-class applications including hyperscale data centers, big data processing and software-defined virtualized storage arrays and

### **Levyx Performance Characterization**

The results of two data points at 56 threads are provided, both small key value and large key value The rationale is: • Small key-value sizes are CPU bound This stresses the core indexing algorithm of any key-value store and further tests its scalability; that is, the performance increase with threads • Large key-value sizes are I/O bound