



IBM Connected 2013

Her Deneyim Bir Kazanım

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#connected

- 1993 yılında kurulan ve Türkiye'de internet servislerini veren “ilk” şirket
- DorukNet, 1.200+ müşteriye kurumsal internet erişimi, veri merkezi ve güvenlik hizmetleri
- 30.000+ müşteriye 370.000+ kurumsal e-posta hesabı, web & e-posta barındırma ve ses hizmetleri
- Türkiye 'de Bulut Bilişim hizmetlerini sunan ilk İnternet Servis Sağlayıcı
- “Kablosuz İnternet Erişimi Hizmeti (WiSpotter)” ile 400'ü aşkın noktada, her gün 15.000'den fazla kişiye hizmet
- 100 + çalışan Akdeniz ve Ege Bölge müdürlükleri
- Felaket Kurtarma ve İş sürekliliği çözümleri



Doruk Net IBM Depolama Çözümleri kilometre taşları



DS 5000 Serisi



SVC



v7000



Neden XIV ? Çünkü daha fazla CACHE

Number of Rows: 288

Subsystem	Volume	Read Cache Hits Percentage (overall)
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	58.17 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	60.63 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	54.85 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	59.78 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	48.01 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	54.1 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	53.29 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	55.8 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	31.43 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	37.45 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	40.78 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	86.12 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	80.19 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	39.94 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	29.53 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	40.64 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	35.02 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	28.29 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	51.88 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	34.98 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	41.55 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	55.77 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	47.69 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	36.04 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	21.5 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	66.07 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	67.5 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	56.4 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	54.88 %
Storwize V7000-2076-EMPIRE3-IBM	*E3vCloud010	61.82 %

- Daha fazla read cache (6 TB SSD/rack) Daha az read cache miss.
- Geleneksel depolama çözümlerinde cache mekanizmaları limitli.



Neden XIV ? Çünkü SCALEOUT

- No single point of failure
- No performance degregation on hardware failure
- Always write-back cache
- Distributed firmware update



Neden XIV ? Çünkü PERFORMANCE

The screenshot displays several overlapping windows from an IBM XIV storage system interface. The 'Volumes & Hosts' window shows performance metrics for 'thinvol01' and 'windowsfizikseltest'. The 'Task Manager' window shows a file copy operation from Desktop to c:\$ with a progress bar at 78% complete and a speed of 459 MB/s. The 'iometer' window is the primary focus, showing a 'Test Completed Successfully' message and a table of performance metrics.

Metric	Value	Target
Total I/Os per Second	62902.12	60000
Total MBs per Second	501.05	1000
Average I/O Response Time (ms)	4.0695	10
Maximum I/O Response Time (ms)	54.9017	100
% CPU Utilization (total)	22.36 %	100 %
Total Error Count	0	10



Neden XIV ? Çünkü NO TIERING

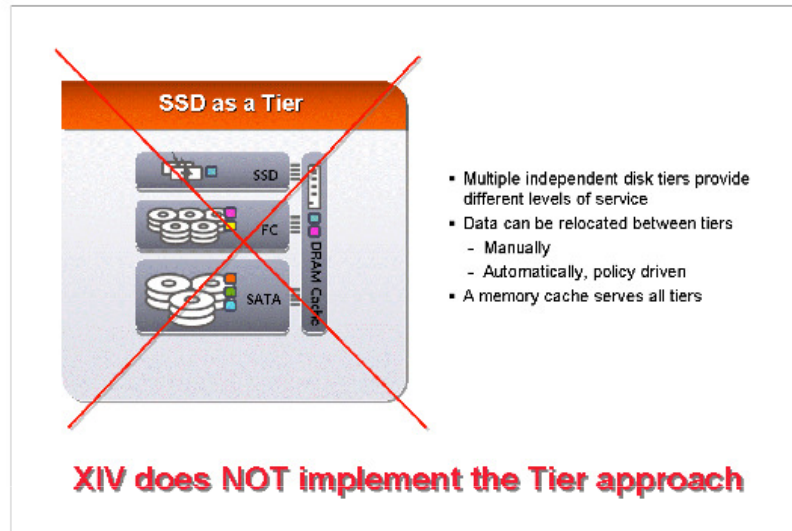


Figure 3-1 SSD used as a storage tier

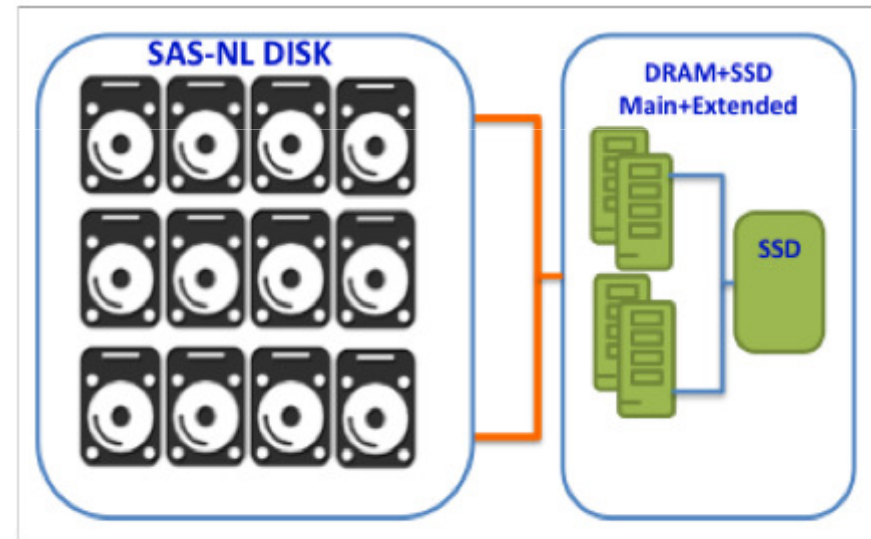


Figure 3-2 SSD used as a cache extension



Neden XIV ? Çünkü ...

- Windows 2012 Space Claim
- XIV TOP Real time monitoring
- Powerfull VMWare, Hyper-V, Openstack integration
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- .
- .
- .
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Q/A





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Teşekkürler

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Veri Merkezi Operasyonları Müdürü

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