

RESEARCH REPORT

2019 I/O Performance Survey Results

Conducted via email during the 4th quarter
of 2018 with 906 IT Professionals

Published by ConduSiv Technologies
750 Fairmont Ave Suite 100, Glendale CA 91203

818-771-1600 | www.conduSiv.com

Foreword

This research was conducted to examine the real-world opinions of IT Professionals regarding I/O performance in their compute environments. 906 IT Professionals took our fourth annual industry-exclusive I/O Performance Survey, which makes this independent performance survey the largest of its kind. The surveyed audience excluded ConduSiv's own I/O reduction software customers, who use the software to achieve the most performance possible from their server and storage assets.

The survey consists of 27 detailed questions designed to identify the impact of I/O growth in the modern IT environment. In addition to multiple choice questions, the survey included optional open responses, allowing a respondent to provide commentary on why they selected a particular answer. All the individual responses have been included to help readers dive deeply on any question.

ConduSiv, the world leader in I/O reduction software, has conducted this intensive study since 2015. What is becoming clear as we look at year-over-year data is that yes, investments in newer storage technologies have provided additional capacity and performance improvements, but new hardware has not been the hoped-for panacea to I/O performance degradation troubles.

The survey was fielded in July 2018 and concluded in November 2018. IT Professionals were invited via email to participate in the survey and provide their opinions on I/O performance. Answers were collected through a well-known, online research platform.

The research highlights the latest trends in applications that are driving performance demands and how IT Professionals are responding. The results show that organizations are struggling to get the full lifecycle from their backend storage as the growth of I/O continues to outpace expectations. The research also shows that IT Pros continue to struggle with user complaints related to sluggish performance from their I/O intensive applications, especially citing MS-SQL applications.

It is recommended that the reader review this research and watch a 2-min overview of ConduSiv I/O reduction software as well as read our published case studies from organizations that have at least doubled the performance of MS-SQL / Oracle workloads, EHR applications, and many other applications: visit www.conduSiv.com/try.

Regards,

Dawn Richcreek

Dawn Richcreek

VP, Marketing

ConduSiv Technologies

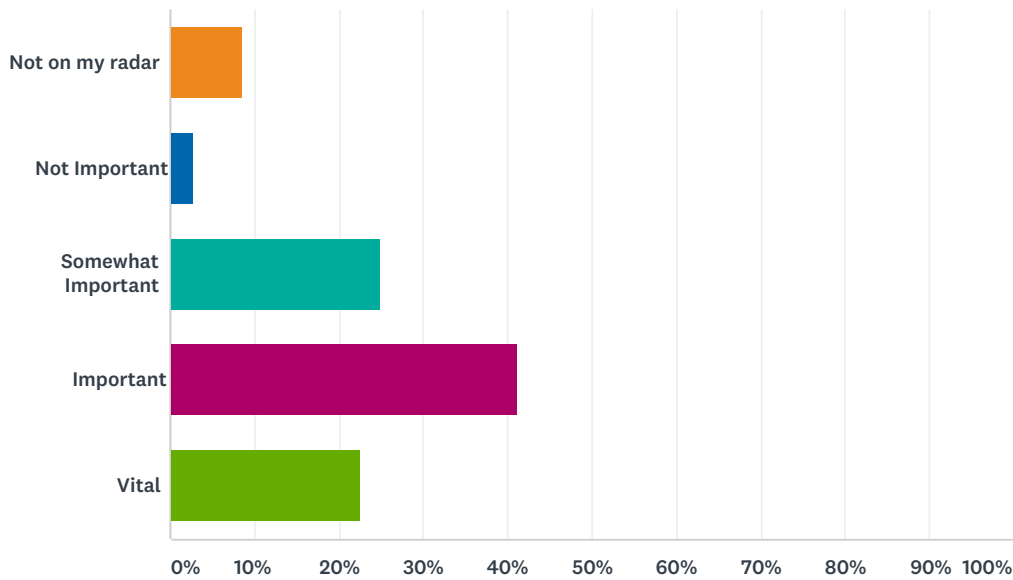
Summary of Key Findings

- 1. I/O Performance is important to IT Pros:** The vast majority of IT Pros consider I/O Performance an important part of their job responsibilities. Over a third of these note that growth of I/O from applications is outpacing the useful lifecycle they expect from their underlying storage.
- 2. Application performance is suffering:** Half of the IT Pros responsible for I/O performance cite they currently have applications that are tough to support from a systems performance standpoint. The toughest applications stated were: SQL, SAP, Custom/Proprietary apps, Oracle, ERP, Exchange, Database, Data Warehouse, Dynamics, SharePoint, and EMR/EHR. See page 19 for a word cloud graphic.
- 3. SQL is the top troublesome application:** The survey confirms that SQL databases are the top business critical application platform and is also the environment that generates the most storage I/O traffic. Nearly a third of the IT Pros responsible for I/O performance state that they are currently experiencing staff/customer complaints due to sluggish applications running on SQL.
- 4. Buying hardware has not solved the performance problems:** Nearly three-fourths of IT Pros have added new hardware to improve I/O performance. They have purchased new servers with more cores, new all-flash arrays, new hybrid arrays, server-side SSDs, etc. and yet they still have problems. In fact, a third have performance issues that are preventing them from scaling up their virtualized infrastructures.
- 5. Still planning to buy hardware:** About three-fourths of IT Pros are still planning to continue to invest in hardware to improve I/O performance.
- 6. Lack of awareness:** Over half of respondents were unaware of the fact that Windows write inefficiencies generate increasingly smaller writes and reads that dampen performance and that this is a software problem that is not solved by adding new hardware.
- 7. Improve performance via a software solution to avoid expensive hardware purchase:** The vast majority of respondents felt it would be urgent/important to improve the performance of their applications via an inexpensive I/O reduction software solution and avoid an expensive forklift upgrade to their compute, network or storage layers.

The above summary represents just some of the key findings from our survey. We encourage you to read the full 27-question report below. You will get insights into the top 5 business critical applications, hypervisor of choice, operating system of choice, future purchase plans, amount of storage under management and much more.

Q1 When considering your IT role and responsibilities, what importance do you attach to I/O performance?

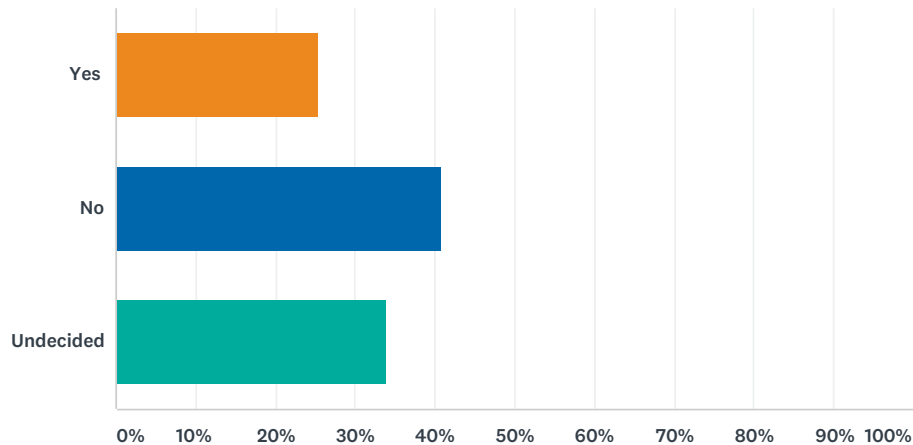
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
Not on my radar	8.61%	78
Not Important	2.76%	25
Somewhat Important	24.94%	226
Important	41.17%	373
Vital	22.52%	204
TOTAL		906

Q2 Have you found the growth of I/O stretching your ability to cost-effectively keep up due to adding more and more server or storage hardware?

Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	25.28%	229
No	40.84%	370
Undecided	33.89%	307
TOTAL		906

#	IF YES, PLEASE COMMENT	DATE
1	speed increases have lout tail benefits	10/25/2018 9:51 AM
2	We manufacture switches, so the network equipment is "free" but the server budget is tight, despite spending over 1 million dollars on a single AWS performance test.	10/25/2018 8:36 AM
3	We aren't able to correctly understand the trends because we don't do requirements gathering correctly	10/25/2018 8:20 AM
4	I work on IBM mainframes, servers are irrelevant to me	10/25/2018 8:09 AM
5	Larger amounts of client data as well as daily backups and client analytics run have become more demanding in the past year. We are currently at around 40TB and constantly expanding.	10/25/2018 8:03 AM
6	It definitely leads us to add more hardware on the server to reduce the performance lag	10/25/2018 7:43 AM
7	Given the growth of data sets, need for real-time analytics, I/O requirements have been scaling in parallel	10/25/2018 7:20 AM
8	R&D and Devops runs our storage devices so hat and always require more	10/25/2018 6:47 AM
9	pure storage and isolon slow doen w/ load	10/25/2018 6:46 AM
10	It is consuming more Datacenter rack space as well.	10/25/2018 6:28 AM
11	it cost\$\$\$\$	10/25/2018 6:27 AM
12	it costs money to add hardware to our environment	10/25/2018 5:34 AM
13	I/O is the limiting factor for most applications to be delivered effectively.	10/25/2018 4:43 AM

14	We use a mix of technologies	10/25/2018 4:42 AM
15	IO bandwidth gets shared	10/25/2018 4:19 AM
16	performance intensive workloads in SAP	10/24/2018 5:42 PM
17	Yes, especially the SQL database for our BI reporting	10/24/2018 5:21 PM
18	Both are being added	10/24/2018 4:40 PM
19	Newer applications and business requirements mandate higher I/O performance than previously. While the cost of storage is going down generally, we are also needing to buy way more than in the past just to keep up.	10/24/2018 4:17 PM
20	Moving to cloud	10/24/2018 2:06 PM
21	Its hard sometimes due to cost to keep performance where the users want it to be	10/24/2018 1:52 PM
22	Specifically in the AWS space, not as much on-prem	10/24/2018 1:35 PM
23	We use Revit which demands alot	10/24/2018 1:17 PM
24	Constant forklift upgrades due to increasing demand	10/24/2018 12:47 PM
25	....	10/24/2018 12:46 PM
26	we have seen IO issues in the past and put in new systems to deal with it. knowing more in time will be needed	10/24/2018 12:24 PM
27	We are currently adding new storage for that reason	10/24/2018 12:03 PM
28	Need more bandwidth on the SAN switches	10/24/2018 11:56 AM
29	we are continually adding more storage to various applications in our data center	10/24/2018 11:38 AM
30	We support an ever growing Big Data infratructure related to ADAS development	10/24/2018 11:14 AM
31	Particulary around backups	10/24/2018 11:08 AM
32	We are in the media business and work with a high volume of image files globally	10/24/2018 10:57 AM
33	Sometime running big batch jobs become very hard due to I/O limitations and need to think for alternative and optimized solutions	10/24/2018 10:41 AM
34	storage is totally unpredictable	10/24/2018 10:38 AM
35	we have not optimized the storage to handle the i/o storms	10/24/2018 10:33 AM
36	This will help us supporting more applications and more users.	10/24/2018 10:28 AM
37	We are looking at both server I/O and network performance	10/24/2018 10:14 AM
38	Currently we are facing issues with slow performance for the VMs created for developers, testers & product owners. Simple operation like switching on or off a VM which took less than a sec now takes more than 6 mins because the storage has ran out. As a result we are loosing valuable man hours.	10/24/2018 10:10 AM
39	Using Turbonomic we've rightsized storage, memory, overall VM performance	10/24/2018 10:00 AM
40	In some locations, with older hardware this has become an issue where we can't simply add newer disks	10/24/2018 9:50 AM
41	Flash has helped a huge amount, but there are larger and larger data piles pushing the edge of what it is capable of.	10/24/2018 9:37 AM
42	Performance issues	10/24/2018 9:36 AM
43	cost of being efficient	10/24/2018 9:35 AM
44	more i/o more expense	10/24/2018 9:31 AM
45	More spinning disl and space was unutilized	10/24/2018 9:30 AM
46	We've had to invest in flash storage arrays	10/24/2018 9:23 AM
47	We have raw storage available but not enough computing power	10/24/2018 9:08 AM
48	It is very cost effective.	10/24/2018 9:02 AM

49	company growth exponential from small to corporate, escalating needs, and costs never planned for	10/24/2018 9:00 AM
50	The desire to converge compute, storage and network is always present but in a non greenfield environment you do what you can.	10/24/2018 8:50 AM
51	We are working towards 100% virtual and the server requests are getting larger and larger for storage.	10/24/2018 8:30 AM
52	We are adding more CPU and memory to maintain SLA when we should be addressing code defects	10/24/2018 8:29 AM
53	User keep wanting more and more fast storage	10/24/2018 8:27 AM
54	Increased requirements for performance-tier storage has proven to be one of my toughest challenges	10/24/2018 8:23 AM
55	Better permanence and time	10/24/2018 8:20 AM
56	yes - but cloud bias	10/24/2018 8:19 AM
57	The demands of new applications and normal Windows OS; space has become an issue	10/24/2018 8:18 AM
58	Flash Storage is expensive	10/24/2018 8:06 AM
59	Storage I/O limitations are always in play.	10/24/2018 8:05 AM
60	faster storage product evolution at lower price point is leading to higher sunk and switchover costs	10/24/2018 7:55 AM
61	Data growth has grown significantly for us, taxing our equipment more and more	10/24/2018 7:52 AM
62	I seem to store a lot of important data on my dvice, it give me te opportunity to store more	10/24/2018 7:50 AM
63	Looking at all in one solution like nutanix	10/24/2018 7:42 AM
64	there is no elastic on demand process for storage	10/24/2018 7:41 AM
65	hard to keep up.	10/24/2018 7:38 AM
66	We are narrowing down the need for I/O since so much hardware out there is getting ahead of where we are at	10/24/2018 7:38 AM
67	We have over 1,000 VMs in our domain and reducing the amount of data going back and forth allows for other servers that require more I/O's to do so resulting in less impact, better performance and a ROI even quicker.	10/17/2018 9:26 AM
68	Justifying present spend to cover future, un-planned workloads	10/15/2018 9:50 AM
69	20% growth every year and always visualizing more systems	10/12/2018 12:24 PM
70	Data access and even network duplication has caused a lot of latency for the purposes of data safety	10/10/2018 1:02 PM
71	Because of computing platforms changing with Virtual Servers, MFaaS and the challenges to keep up with the technology to keep the infrastructure performing a optimum performance.	10/4/2018 11:55 AM
72	Global capacity management	10/4/2018 8:53 AM
73	The balance between being cost effective, constant grown and needing to reconfigure bandwidth is a bit challenge.	10/3/2018 1:00 PM
74	obvious right!	10/3/2018 9:55 AM
75	Growth has been explosive across our service lines which means that it is difficult to predict and budget to accommodate the demand	10/3/2018 9:36 AM
76	We have outdated hardware and have been shifting to the cloud to keep up with need, but mixed results on I/O performance	10/3/2018 7:36 AM
77	Even with Llarge SSD NAS we get IO bottlenecks the prevent vendor applications from completing work fast. Requiring more processing server, thus increasing the load on the shared NAS Space.	10/3/2018 7:29 AM
78	Fabric can improve but it expensive.	10/3/2018 7:05 AM
79	Maintain hardware and support contracts on aging storage	10/3/2018 6:48 AM

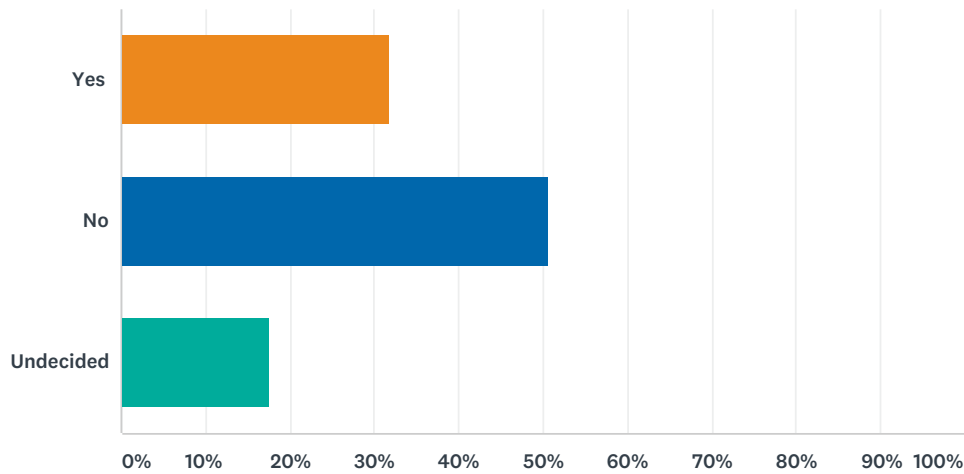
80	With a virtualized environment you need to provide all or nothing support for SSD when building a server with an array. It can be costly to support that kind of high priced server storage, but you still need the performance.	10/3/2018 6:40 AM
81	IO performance has been an issue for us in our Oracle environment for quite some time.	10/3/2018 6:32 AM
82	New business, more I/O.	10/3/2018 6:24 AM
83	High I/O is required to meet regulatory deadlines around risk modeling and reporting with regards to estimated losses due to catastrophic events.	10/3/2018 6:23 AM
84	Finding the Azure / Amazon pricing models difficult to navigate.	10/3/2018 6:21 AM
85	Solid state is more expensive than I'd like.	10/3/2018 6:18 AM
86	new vm being created and setup on new chassis	10/3/2018 6:07 AM
87	Increased budgetary restrictions is an increasing issue	10/3/2018 6:06 AM
88	storage needs expanding exponentially	10/3/2018 5:58 AM
89	Acquisitions, organic growth and IoT all contributing to additional demand.	10/3/2018 5:54 AM
90	The more servers we host, need more power. Which means more RAM, Storage capacity, and hardware.	10/3/2018 5:54 AM
91	Seems like roll-out is never planned well enough.	10/3/2018 5:35 AM
92	Costs and demand rises, budget doesn't as fast.	10/3/2018 5:31 AM
93	DB performance is impacting I/O	10/3/2018 5:09 AM
94	very important to keep speed of computers up	10/3/2018 5:07 AM
95	In the cloud, paying for higher speed read / writes is very expensive	10/3/2018 5:04 AM
96	virtual environment and need to load balance	10/3/2018 4:58 AM
97	Its becoming clear that applications are making more calls for data without specifying that frequency, making I/O tuning an increasingly important task.	10/3/2018 4:57 AM
98	converged architecture makes it pricey yet easy. Popping in new nodes brings VMware licensing and support costs	10/3/2018 4:57 AM
99	it is costly	10/3/2018 4:54 AM
100	Our storage team does a great job of providing fast reliable storage.	10/3/2018 4:54 AM
101	as data increases so does the need for storage	10/3/2018 4:54 AM
102	Everything just keeps growing and demanding more space.	10/3/2018 4:54 AM
103	Requires additional Network & Storage Hardware	10/3/2018 4:52 AM
104	Increasing raw data growth stretches the budget trying to keep up with where to store the raw data	10/3/2018 4:50 AM
105	Everyone always needs more space, getting that can be a challenge (\$)	10/3/2018 4:47 AM
106	SQL databases cost money.	9/26/2018 9:38 AM
107	Upcoming trends in storage technology has enabled us reduce the cost of hardware.	9/25/2018 8:21 PM
108	The growth of I/O stretching is useful	9/25/2018 4:38 PM
109	for the most part adding additional servers is not an option	9/25/2018 12:30 PM
110	Currently migrating to AWS	9/25/2018 11:58 AM
111	The need for more real-time streaming data analytics is created a tremendous burden on current infrastructure.	9/25/2018 10:59 AM
112	Growing so fast, struggling finding room and available iops	9/25/2018 10:27 AM
113	We planned ahead for this	9/25/2018 9:53 AM
114	apps performance tough to plan for	9/25/2018 9:42 AM
115	resources are stretched and the fast pace is getting faster. we need to be better at maximizing our efforts	9/25/2018 8:11 AM

116	The way the applications are being used have evolved and our performance needs to be monitored and adjusted progressively...	9/25/2018 8:06 AM
117	When there are more requests to our server the cost increases directly	9/25/2018 8:01 AM
118	It just seems that we are always trying to keep up with an endless requirement of evergrowing need for more IO for complex databases and such.	9/25/2018 7:50 AM
119	The performance of our VDI solutions are highly dependent on I/O of which our group has little control over.	9/25/2018 7:46 AM
120	Data footprints will always grow and the demand will never diminish. It is increasingly important to have IO performance to keep up with the demands of BI and analytics as well.	9/25/2018 6:43 AM
121	More diverse softwares needed, higher processing power required, document storage is double or triple what it once was.	9/25/2018 6:26 AM
122	This is an ongoing trend with the more capacity workload we onboard	9/25/2018 6:22 AM
123	Server storage must be increased to handle the time required to copy data to file at that location. Bandwidth affects this process as well.	9/25/2018 6:09 AM
124	I/O performance is very much required to have stable IT environment (Application, database and Infra)	9/25/2018 6:07 AM
125	as new technology ins introduced we need more platform to run it	9/25/2018 6:04 AM
126	We have strategically begun moving to the cloud.	9/25/2018 5:49 AM
127	We are no longer able to add shelves to the Netapp we currently have and will be looking at new sans	9/25/2018 5:47 AM
128	Big data clusters are so much dependent on I/O.	9/25/2018 5:41 AM
129	I found the longer I've worked added storage the more effectively I've had.	9/24/2018 4:15 AM
130	So far we have been able to keep up with demand by repurposing equipment and optimizing existing SAN architecture	9/5/2018 5:49 AM
131	VMs have been increased substantially on each of our Host Servers	9/5/2018 5:09 AM
132	On premise BI data storage solutions are progressively declining in favor due to the upkeep despite the I/O performance advantage over cloud of on-prem in-memory storage.	9/5/2018 4:46 AM
133	We keep needing faster SANs due to IO latency due to load	9/4/2018 7:08 AM
134	we are actually running out of physical space for additional servers	8/29/2018 4:16 AM
135	Have to add more hardware and storage capacity	8/28/2018 10:44 AM
136	More VMs increases the SAN i/o	8/28/2018 9:00 AM
137	YES	8/28/2018 6:26 AM
138	I can make all my correction, write all my thoughts all on the one media and never have to worry about losing anything	8/28/2018 6:24 AM
139	More and more	8/28/2018 6:18 AM
140	Larger data centers have been adversely affected by IO demands, needing a lot of load balancing to improve performance.	8/22/2018 6:22 AM
141	Tier 1 storage is getting so expensive	8/21/2018 10:35 AM
142	software compatibility is a large cost wih the growth of I/O	8/21/2018 9:53 AM
143	Always need more storage!	8/21/2018 9:46 AM
144	Unable to aquire funding for increased damand	8/21/2018 8:58 AM
145	Have had to expand storage to both add capacity and increase I/O limits	8/21/2018 8:55 AM
146	many more reliable options	8/21/2018 7:27 AM
147	More often than not anymore becoming a suprise bottleneck on projects	8/21/2018 6:49 AM
148	certain applications have required us to add additional servers	8/11/2018 11:39 AM

149	We are heavily cloud based so it's usually not a big ask	8/10/2018 8:56 AM
150	To process bigger data day by day, I/O increasing is hard to avoid, the key thing is how to manage it undercontrolable ways	8/9/2018 6:06 PM
151	We have kept up with bandwidth needs as they increase by upgrading the network.	8/9/2018 11:14 AM
152	Bandwidth is critical to keep data at minimum speed without losing reliability.	8/9/2018 8:38 AM
153	Growth of I/O and the requirements to keep costs down is making the team determine if we go on prem or in the cloud for growth	8/9/2018 8:27 AM
154	User satisfaction if rooted in the datacenters ability to provide fast responsive service.	8/9/2018 7:05 AM
155	The growth of VMs has greatly impacted our VMware hosts I/O performance	8/9/2018 5:07 AM
156	we had this problem by adding more server then now we have the opposite issue.	8/9/2018 4:59 AM
157	This is especially tru on the virtualization side	8/9/2018 4:51 AM
158	With our environment Satellite coverage plays a MAJOR role.	8/9/2018 4:46 AM
159	one to one devices need to band and storage	8/8/2018 2:38 PM
160	40% storage growth per year plus added cloud services strain resources and require more storage,compute and capacity.	8/8/2018 11:04 AM
161	Users always want a better performance	8/8/2018 10:04 AM
162	I/O requirements increase with every new app and/or install and this is frustrating to say the least	8/8/2018 8:24 AM
163	The cost of upgrading servers increases every 5 years at the rate that we are growing.	8/8/2018 8:23 AM
164	Improved performance for virtual environemnts.	8/8/2018 8:12 AM
165	storage space is begining to be a problem	8/8/2018 6:10 AM
166	were always adding more storage	8/8/2018 6:02 AM
167	Scalability of resources is generally outpaced by scale of demand	8/8/2018 4:53 AM
168	expanding storage is often more expensive than the initial purchase	8/8/2018 4:52 AM
169	If I understand "stretching" my ability, it's in issue. I had to settle for slower devices because of cost.	8/8/2018 4:50 AM
170	We have a limited budget for servers and hardware, the more changes needed the more we spend	7/26/2018 11:45 AM
171	FUision IO cards get expensive	7/26/2018 10:21 AM
172	Increased hardware capability (4K, GPU, etc) increases the amount of data collected (volume) and the need to get it into the hands of end users in a reasonable amount of time (velocity)	7/26/2018 9:13 AM
173	VDI primarily	7/26/2018 9:01 AM
174	With the increase in features in applications as time progresses, it is causing more development of I/O than was typically done.	7/26/2018 8:26 AM
175	We have added a number of servers	7/26/2018 6:38 AM
176	In converged infrastructure we see some limitations on IO depending on the device and shared infra.	7/26/2018 6:19 AM
177	Writing better software, data caching, improved algorithms need to be done in conjunction with adding more hardware.	7/26/2018 5:44 AM

Q3 Has the growth of I/O from applications outpaced the useful lifecycle you expected from your underlying storage architecture?

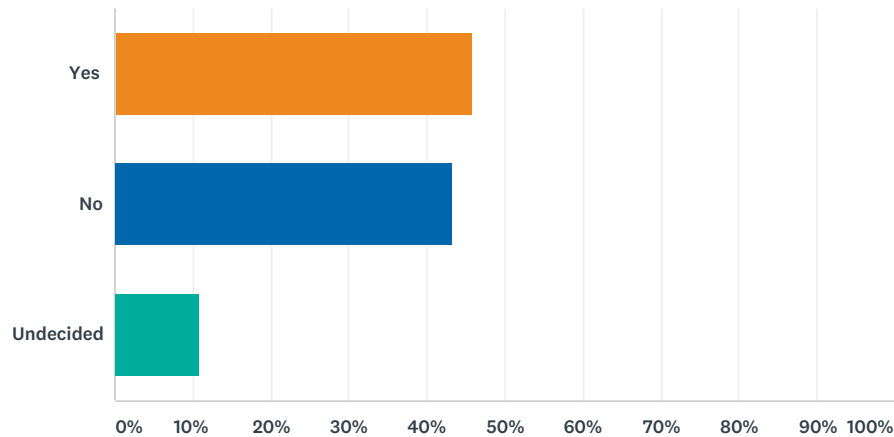
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	31.79%	288
No	50.66%	459
Undecided	17.55%	159
TOTAL		906

Q4 Do you have one or two applications that are your toughest to support from a systems performance standpoint?

Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	45.81%	415
No	43.38%	393
Undecided	10.82%	98
TOTAL		906

#	IF YES, WHAT ARE THOSE APPLICATIONS?	DATE
1	Inhouse testing of a big-data application we are developing for our customers.	10/25/2018 8:38 AM
2	SAP	10/25/2018 8:36 AM
3	Murex	10/25/2018 8:20 AM
4	Healthcare analytics - billions of patient records processed by clients.	10/25/2018 8:06 AM
5	CRM	10/25/2018 7:44 AM
6	sql	10/25/2018 7:43 AM
7	backups	10/25/2018 7:33 AM
8	Cloud based, PaaS, SaaS	10/25/2018 7:21 AM
9	Relativity, 3E	10/25/2018 7:05 AM
10	imaging and onbase	10/25/2018 6:48 AM
11	SharePoint, other server-based applications	10/25/2018 6:38 AM
12	PDI, Allegro	10/25/2018 6:18 AM
13	SharePoint	10/25/2018 5:45 AM
14	erp system and email	10/25/2018 5:35 AM
15	SharePoint	10/25/2018 5:15 AM
16	ERP, Lab Management System	10/25/2018 4:45 AM
17	SAP ECC 6 and SAP S4/HANA	10/25/2018 4:44 AM

18	EMR and HRP	10/25/2018 4:42 AM
19	Good, latest I/O update broke it.	10/25/2018 4:13 AM
20	Personal Health Record Systems	10/25/2018 4:08 AM
21	SQL and Data Analytics	10/25/2018 4:03 AM
22	SQL Database	10/24/2018 5:22 PM
23	Oracle, Commvault	10/24/2018 4:51 PM
24	legacy mainframe applications	10/24/2018 4:42 PM
25	Big Data (Hadoop), and a legacy COBOL application, among others.	10/24/2018 4:21 PM
26	remedy	10/24/2018 3:51 PM
27	HA SQL Application Clusters	10/24/2018 2:54 PM
28	Predictive analytics	10/24/2018 2:08 PM
29	Tam Retail - SQL database	10/24/2018 1:51 PM
30	Actimize, ACH Plus	10/24/2018 1:38 PM
31	Revit Newforma	10/24/2018 1:18 PM
32	Oracle E-Business Suite	10/24/2018 12:55 PM
33	SQL	10/24/2018 12:53 PM
34	Exchange and ERP	10/24/2018 12:49 PM
35	....	10/24/2018 12:47 PM
36	Encompass	10/24/2018 12:37 PM
37	SQL Server and Tabular SQL	10/24/2018 12:25 PM
38	Intergy EHR	10/24/2018 12:22 PM
39	ERP and Engineering	10/24/2018 12:12 PM
40	Data analytics	10/24/2018 12:06 PM
41	ERP and CRM	10/24/2018 12:03 PM
42	NetBackup, Exchange	10/24/2018 12:02 PM
43	Data Warehouse, and Enterprise Merchandising System	10/24/2018 11:57 AM
44	SAP	10/24/2018 11:55 AM
45	SAP	10/24/2018 11:53 AM
46	Home-grown database system	10/24/2018 11:48 AM
47	ERP	10/24/2018 11:40 AM
48	Epic and EDM	10/24/2018 11:26 AM
49	sharepoint	10/24/2018 11:19 AM
50	Internally developed automitive engoneering application	10/24/2018 11:15 AM
51	Backup	10/24/2018 11:09 AM
52	Public sites	10/24/2018 11:03 AM
53	Our graphics managment applications	10/24/2018 10:58 AM
54	SQL DB	10/24/2018 10:55 AM
55	sql server	10/24/2018 10:43 AM
56	Logstash, Database	10/24/2018 10:42 AM
57	Infor Adage	10/24/2018 10:41 AM
58	Allscripts Professional EHR	10/24/2018 10:40 AM

59	AutoCAD/GIS/MicroStation	10/24/2018 10:38 AM
60	ERP	10/24/2018 10:36 AM
61	Rally, Jira, ITSM	10/24/2018 10:29 AM
62	Both internally-developed apps	10/24/2018 10:29 AM
63	In house datawarehouse	10/24/2018 10:26 AM
64	SAP, EDI	10/24/2018 10:25 AM
65	ERP	10/24/2018 10:16 AM
66	SharePoint, BI apps	10/24/2018 10:14 AM
67	Working on a Virtual Machine using V-Center	10/24/2018 10:11 AM
68	SAP - Oracle	10/24/2018 10:06 AM
69	Dyanmics GP, SharePoint	10/24/2018 10:04 AM
70	Gwabbit	10/24/2018 10:02 AM
71	network monitoring, splunk	10/24/2018 10:01 AM
72	Not tough just most heavily used, and on the way to the cloud/outsourcing (SAP)	10/24/2018 10:01 AM
73	ERP	10/24/2018 10:01 AM
74	Document management systems, quantitative Risk analysis	10/24/2018 9:55 AM
75	data warehousing marts	10/24/2018 9:55 AM
76	SAP, SCCM	10/24/2018 9:51 AM
77	warehouse load	10/24/2018 9:45 AM
78	Oracle	10/24/2018 9:43 AM
79	In house booking system running on as 400	10/24/2018 9:40 AM
80	SAP and elastic logging	10/24/2018 9:39 AM
81	Online checkin & profile	10/24/2018 9:35 AM
82	VDI and DB	10/24/2018 9:31 AM
83	VDI, and time and billing software at end of month	10/24/2018 9:29 AM
84	Epicor's Eclipse ERP system, MS SQL	10/24/2018 9:25 AM
85	TSM	10/24/2018 9:24 AM
86	SQL and Replication	10/24/2018 9:20 AM
87	Payplus, Assistck	10/24/2018 9:15 AM
88	Order Entry	10/24/2018 9:12 AM
89	Reporting and analytics	10/24/2018 9:11 AM
90	Exchange and MS SQL	10/24/2018 9:10 AM
91	Finance and HR	10/24/2018 9:03 AM
92	Dynamics, Citrix	10/24/2018 9:01 AM
93	CSPPro, UPoint	10/24/2018 8:39 AM
94	SAP, SAP Hana	10/24/2018 8:32 AM
95	FileLocator Pro	10/24/2018 8:29 AM
96	MS SQL Server	10/24/2018 8:29 AM
97	Records, billing.	10/24/2018 8:27 AM
98	Epicor Eclipse, Phocas	10/24/2018 8:27 AM
99	Exchange and MSSQL	10/24/2018 8:24 AM

100	SQL Server	10/24/2018 8:24 AM
101	SQL Servers and Reporting Services	10/24/2018 8:23 AM
102	database in Virtual enviroment	10/24/2018 8:21 AM
103	Exchange 2010, Lawson	10/24/2018 8:21 AM
104	Database	10/24/2018 8:19 AM
105	CRM	10/24/2018 8:19 AM
106	yrateirporP	10/24/2018 8:12 AM
107	Bartender Labeling	10/24/2018 8:10 AM
108	ArcGIS	10/24/2018 8:09 AM
109	sap	10/24/2018 8:08 AM
110	SAP/ MS Dynamics CRM	10/24/2018 8:02 AM
111	Patriot GVPO and Nautilus	10/24/2018 7:53 AM
112	AI via GPU, PACS	10/24/2018 7:47 AM
113	SAP	10/24/2018 7:43 AM
114	Cerner	10/24/2018 7:43 AM
115	data intensive applications	10/24/2018 7:43 AM
116	Opera hosting	10/24/2018 7:43 AM
117	Oracle, Internal Logging Services	10/24/2018 7:43 AM
118	b2b integrations	10/24/2018 7:42 AM
119	Dynamics GP	10/24/2018 7:40 AM
120	Automation	10/24/2018 7:39 AM
121	Big data	10/24/2018 7:38 AM
122	epic hyperspace	10/24/2018 7:37 AM
123	SQL is one of our worst applications to support but Vlocity helps us minimize any impact	10/17/2018 9:29 AM
124	Primary LOB application	10/15/2018 9:51 AM
125	EMR	10/15/2018 8:50 AM
126	Oracle	10/12/2018 12:26 PM
127	Hyperion, Endeca, MS Dynamics, Oracle	10/10/2018 9:36 AM
128	Anything from Thompson Reuters-- despite being on all-flash storage	10/8/2018 11:52 AM
129	Nuance - Dragon, Allscripts EHR (which is hosted so there is minimal we can do to fix this)	10/8/2018 7:18 AM
130	ORACLE	10/5/2018 8:45 AM
131	Relativity	10/4/2018 8:54 AM
132	Navigator Workforce and Lighthouse	10/4/2018 6:29 AM
133	Office 365 (Cloud hosted by MS)	10/3/2018 11:36 AM
134	AssistCK, ComplianceLink	10/3/2018 10:38 AM
135	Custom applications	10/3/2018 10:37 AM
136	VDI and Dashboards/Reporting	10/3/2018 10:18 AM
137	enterprise apps	10/3/2018 9:55 AM
138	Casper, APO	10/3/2018 8:05 AM
139	Oracle EBS	10/3/2018 8:05 AM
140	e-marketing and POS linkage to invenogry managemenet and finaincial systems	10/3/2018 7:58 AM

141	EBMS; SQL	10/3/2018 7:37 AM
142	Sefas Producer soon Quadient Inspire, I'm sure there are other in the enterprise out of my scope of work.	10/3/2018 7:32 AM
143	mobile and IAM	10/3/2018 7:12 AM
144	Web application	10/3/2018 7:11 AM
145	Reporting servers, both MITS and SQL	10/3/2018 6:42 AM
146	ms dynamics, SAP	10/3/2018 6:39 AM
147	Citrix	10/3/2018 6:37 AM
148	Oracle	10/3/2018 6:33 AM
149	Third party modeling applications and proprietary applications that adjust the industry risk numbers.	10/3/2018 6:26 AM
150	SAP ECC and SAP BI	10/3/2018 6:26 AM
151	Oracle Ebusiness Suite / Oracle Dataware house	10/3/2018 6:25 AM
152	SQL Servers	10/3/2018 6:21 AM
153	EMR and SQL Cluster	10/3/2018 6:19 AM
154	Delphix, QNXT	10/3/2018 6:17 AM
155	Internally written and maintained software	10/3/2018 6:17 AM
156	Sophos Antivirus, Forticlient VPN	10/3/2018 6:14 AM
157	SQL with Nav	10/3/2018 6:13 AM
158	McKesson, Epic	10/3/2018 6:13 AM
159	eDiscovery and RDBMS	10/3/2018 6:12 AM
160	CAD machines. Mixing mobility of architects with performance.	10/3/2018 6:11 AM
161	Graphic processing application from Adobe	10/3/2018 6:10 AM
162	Legacy SAP	10/3/2018 6:10 AM
163	ERP	10/3/2018 6:09 AM
164	Claims software, OCR systems	10/3/2018 6:01 AM
165	Manufacturing execution system, real time collaboration	10/3/2018 5:59 AM
166	SAP	10/3/2018 5:58 AM
167	FM Audit - electronic device monitoring and data capture	10/3/2018 5:55 AM
168	SAS	10/3/2018 5:54 AM
169	Life-nbA	10/3/2018 5:52 AM
170	sas	10/3/2018 5:49 AM
171	Hitachi Command Suite	10/3/2018 5:47 AM
172	Largely R&D's specific tools.	10/3/2018 5:37 AM
173	adobe suite	10/3/2018 5:33 AM
174	Data warehouse	10/3/2018 5:32 AM
175	BitCentral, Wide Orbit	10/3/2018 5:27 AM
176	Business Apps	10/3/2018 5:24 AM
177	Point of sale program, Execontrol	10/3/2018 5:17 AM
178	sql server. SAP Business objects	10/3/2018 5:16 AM
179	SQL	10/3/2018 5:10 AM

180	SQL DB.	10/3/2018 5:10 AM
181	Epolicy Orchestrator	10/3/2018 5:08 AM
182	EClass, Legacy systems	10/3/2018 5:03 AM
183	Taxport and GTD	10/3/2018 5:02 AM
184	home grown apps mostly built on java	10/3/2018 5:01 AM
185	SAP, PkMS	10/3/2018 5:01 AM
186	erp	10/3/2018 4:59 AM
187	upgrading search results	10/3/2018 4:59 AM
188	Home grown	10/3/2018 4:58 AM
189	medical coding and billing programs	10/3/2018 4:57 AM
190	No, our current technology (storage, CPU, network) is very fast.	10/3/2018 4:56 AM
191	AS400	10/3/2018 4:56 AM
192	SQL	10/3/2018 4:55 AM
193	Exchange and Document Managment	10/3/2018 4:55 AM
194	SQL databases	10/3/2018 4:54 AM
195	Operational Data Store	10/3/2018 4:53 AM
196	SAP, Custom Data Analytics application	10/3/2018 4:53 AM
197	Moxie	10/3/2018 4:52 AM
198	Oracle ERP, Exchange	10/3/2018 4:50 AM
199	MySQL and Exchange	10/3/2018 4:50 AM
200	SAP Ananlysis	10/3/2018 4:49 AM
201	Peoplesoft	10/3/2018 4:49 AM
202	SQL server	10/3/2018 4:48 AM
203	In house created apps for media management	10/3/2018 4:46 AM
204	Meditech	9/28/2018 11:19 AM
205	Virtual machines, NAS	9/25/2018 8:24 PM
206	confidential	9/25/2018 4:39 PM
207	SharePoint, Exchange	9/25/2018 1:23 PM
208	Oracle Financial apps, VMware environment	9/25/2018 12:48 PM
209	Object-oriented database (application and datawarehouse)	9/25/2018 12:44 PM
210	SQL	9/25/2018 11:58 AM
211	Spark, Vertica, MongoDB just to name a few.	9/25/2018 11:01 AM
212	In-house SQL apps	9/25/2018 10:47 AM
213	Classified	9/25/2018 10:29 AM
214	Jlra/ Github Enterprise	9/25/2018 9:42 AM
215	data warehouse	9/25/2018 8:23 AM
216	Lawson, Web Center	9/25/2018 8:16 AM
217	MS Exchange & Data Warehouse	9/25/2018 8:12 AM
218	Custom, in-house developed	9/25/2018 8:12 AM
219	Critical EMR/Healthcare	9/25/2018 8:07 AM
220	Dynamics	9/25/2018 8:02 AM

221	Elite 3E	9/25/2018 8:00 AM
222	Great Plains, Excel	9/25/2018 7:58 AM
223	Hadoop	9/25/2018 7:53 AM
224	SQL Server, Oracle	9/25/2018 7:53 AM
225	Internally developed apps	9/25/2018 7:52 AM
226	VDI	9/25/2018 7:48 AM
227	SQL, VDI	9/25/2018 7:47 AM
228	Busin. Intell.	9/25/2018 7:46 AM
229	SQL, Exchange	9/25/2018 7:46 AM
230	microsoft GP and sage	9/25/2018 7:35 AM
231	Couchbase and Chat	9/25/2018 7:31 AM
232	Proprietary	9/25/2018 7:20 AM
233	Legacy apps built in house	9/25/2018 7:05 AM
234	Custom built	9/25/2018 7:02 AM
235	SAP and BPC	9/25/2018 6:50 AM
236	Automated disclosure generation for loan applicants	9/25/2018 6:47 AM
237	SQL Server	9/25/2018 6:44 AM
238	Business Objects, Solar Eclipse	9/25/2018 6:39 AM
239	Primavera, eLEM	9/25/2018 6:27 AM
240	3E, iManage	9/25/2018 6:26 AM
241	TL2000	9/25/2018 6:21 AM
242	Maximo and Oracle	9/25/2018 6:18 AM
243	SAP	9/25/2018 6:12 AM
244	Data warehouse and CRM	9/25/2018 6:08 AM
245	peoplesoft and clarity	9/25/2018 6:06 AM
246	Custom in-house apps	9/25/2018 6:04 AM
247	SQL, iManage (document management)	9/25/2018 6:03 AM
248	Epic	9/25/2018 6:02 AM
249	Clarity	9/25/2018 5:55 AM
250	SAP	9/25/2018 5:53 AM
251	Dell Boomi	9/25/2018 5:51 AM
252	SAP, Unify	9/25/2018 5:50 AM
253	Sql Server	9/25/2018 5:48 AM
254	SAP/documentum	9/25/2018 5:45 AM
255	SAP	9/5/2018 3:17 PM
256	Epic	9/5/2018 6:32 AM
257	SQL and Datex	9/5/2018 6:27 AM
258	cassandra	9/5/2018 6:20 AM
259	backup servers	9/5/2018 6:18 AM
260	Oracle	9/5/2018 5:45 AM
261	splunk	9/5/2018 5:21 AM

262	Sap Spinfire	9/5/2018 5:15 AM
263	SAP	9/5/2018 4:53 AM
264	SAP BI on HANA backend	9/5/2018 4:48 AM
265	Microsoft Dynamics NAVision	9/5/2018 4:41 AM
266	Progress DB	9/5/2018 4:39 AM
267	email	9/5/2018 4:38 AM
268	SAP Cloud to on-premise interfaces, SAP Hana	8/29/2018 6:54 AM
269	PCRM	8/29/2018 4:17 AM
270	SQL servers	8/28/2018 9:01 AM
271	Global Sales	8/28/2018 6:46 AM
272	Informatica	8/28/2018 6:44 AM
273	In-house applications	8/28/2018 6:18 AM
274	Oracle RAC Database	8/28/2018 6:02 AM
275	proprietary application	8/28/2018 5:55 AM
276	Our EMR	8/28/2018 5:41 AM
277	Fidelio, Silverware	8/28/2018 4:59 AM
278	Exchange, SQL	8/28/2018 4:53 AM
279	Oracle	8/28/2018 4:45 AM
280	SAP HANA	8/23/2018 11:10 AM
281	SQL, Exchange	8/22/2018 9:49 AM
282	SAP and share point	8/22/2018 6:25 AM
283	NextGen EMR	8/21/2018 12:23 PM
284	DataWarehouse	8/21/2018 12:17 PM
285	BizTalk, Sharepoint, 1 or 2 internal Apps	8/21/2018 11:44 AM
286	Oracle	8/21/2018 10:36 AM
287	Hyperion, Syteline	8/21/2018 9:56 AM
288	DB2	8/21/2018 9:55 AM
289	SQL Server based	8/21/2018 9:47 AM
290	SQL & Exchange	8/21/2018 9:38 AM
291	Proprietary custom built	8/21/2018 9:38 AM
292	AS400 and MS Office	8/21/2018 9:18 AM
293	Unable to relay due to corporate security policies.	8/21/2018 9:08 AM
294	Disk based and cloud based backup as well as sql	8/21/2018 9:00 AM
295	Demantra	8/21/2018 8:56 AM
296	Radiology PACS systems	8/21/2018 8:02 AM
297	cdk, tech 2 win	8/21/2018 7:29 AM
298	Our CRM is incredibly disk heavy	8/21/2018 7:20 AM
299	Mitel Voip system, Various Virtual desktop apps	8/21/2018 7:05 AM
300	VDI; PoS	8/21/2018 6:54 AM
301	Proprietary software (prefer not to list the software)	8/21/2018 6:43 AM
302	Oracle EBS	8/10/2018 10:49 PM

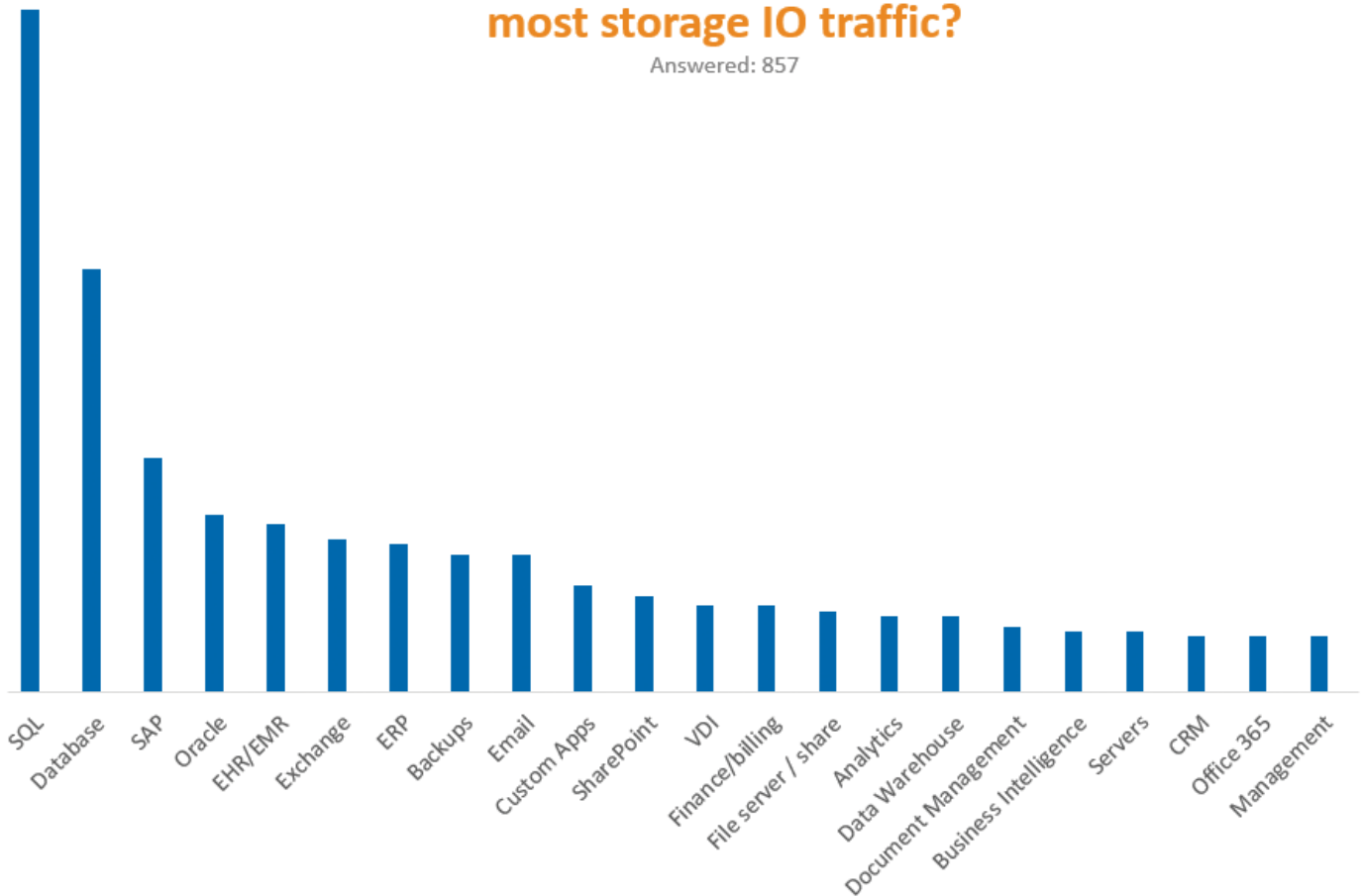
303	Apttus	8/10/2018 12:31 PM
304	Oracle and Proficy	8/10/2018 8:57 AM
305	Shared folder, database application and tape backup software	8/9/2018 6:09 PM
306	Adobe Premiere	8/9/2018 1:59 PM
307	Epicor ERP, SQL	8/9/2018 1:06 PM
308	ESRI GIS	8/9/2018 12:02 PM
309	BI & CRM	8/9/2018 10:48 AM
310	netBeans and alternative IDE's.	8/9/2018 10:20 AM
311	iManage and Exchange	8/9/2018 10:13 AM
312	SQL	8/9/2018 10:03 AM
313	Oracle/Peoplesoft	8/9/2018 9:30 AM
314	SQL Server	8/9/2018 9:18 AM
315	Internal apps and financial apps	8/9/2018 8:32 AM
316	Custom In house applications	8/9/2018 8:23 AM
317	mobile web apps	8/9/2018 8:23 AM
318	MSFT SQL server, Sharepoint	8/9/2018 7:31 AM
319	Solarwinds Suite, custom applications, IBM CLM	8/9/2018 7:07 AM
320	Oracle Hyperion, SQL	8/9/2018 6:25 AM
321	sql oracle	8/9/2018 6:10 AM
322	erp	8/9/2018 5:45 AM
323	Electronic Medical Records	8/9/2018 5:32 AM
324	landesk, legacy software	8/9/2018 5:27 AM
325	Aprimo	8/9/2018 5:25 AM
326	Business Intelligence Database cubing	8/9/2018 5:20 AM
327	Oracle E-Business Suite and homegrown application using MSSQL databases as storage	8/9/2018 5:20 AM
328	multiple medical imaging applications	8/9/2018 5:11 AM
329	Home grown applications	8/9/2018 5:09 AM
330	SQL based apps we use throughout the entire business.	8/9/2018 5:00 AM
331	ERP & Datawarehouse	8/9/2018 4:59 AM
332	databases	8/9/2018 4:52 AM
333	BI related applications	8/9/2018 4:52 AM
334	VDI, Imaging	8/9/2018 2:05 AM
335	SQL database has been the constant performance target	8/8/2018 3:12 PM
336	Exchange and our data warehousing.	8/8/2018 11:07 AM
337	SharePoint, VDI and some Java based applicaiton (JVM)	8/8/2018 10:05 AM
338	JD Edwards ERP	8/8/2018 9:55 AM
339	IGT Advantage	8/8/2018 9:06 AM
340	Abaqus, Pamcrash	8/8/2018 9:05 AM
341	CRM and Great Plains	8/8/2018 8:56 AM
342	Database	8/8/2018 8:41 AM
343	Canvas, Discover	8/8/2018 8:30 AM

344	Mostly HPC but there are others	8/8/2018 8:25 AM
345	Classified	8/8/2018 8:23 AM
346	Cases	8/8/2018 8:20 AM
347	PDI and FocalPoint	8/8/2018 8:00 AM
348	SQL	8/8/2018 7:15 AM
349	forecasting and ordering	8/8/2018 6:20 AM
350	Azure servers supporting a BI configuration	8/8/2018 6:18 AM
351	vendor vertical market trading system by Brady Trinity - Trinity Metals	8/8/2018 6:11 AM
352	ERP	8/8/2018 6:11 AM
353	Exchange	8/8/2018 6:10 AM
354	SQL and our EHR	8/8/2018 6:03 AM
355	Meditech 6.08	8/8/2018 6:03 AM
356	SQL	8/8/2018 6:00 AM
357	Dynamics GP, OSSI	8/8/2018 5:35 AM
358	Microsoft AX 2009 ERP	8/8/2018 5:32 AM
359	SQL Server	8/8/2018 5:31 AM
360	ERP, Specification Database	8/8/2018 5:01 AM
361	SQL	8/8/2018 5:00 AM
362	ERP Software	8/8/2018 4:59 AM
363	Dynamics AX	8/8/2018 4:59 AM
364	oracle database	8/8/2018 4:56 AM
365	Banner	8/8/2018 4:56 AM
366	Data warehouse applications	8/8/2018 4:53 AM
367	Video editing, Archiving	8/8/2018 4:51 AM
368	Web apps that are not developed well	8/1/2018 2:38 PM
369	SAP and Hadoop	7/27/2018 6:31 AM
370	video	7/27/2018 2:49 AM
371	ERP	7/26/2018 1:32 PM
372	EPIC	7/26/2018 10:26 AM
373	call recordings.	7/26/2018 10:21 AM
374	VDI	7/26/2018 9:02 AM
375	Dealer Management System	7/26/2018 7:56 AM
376	C based batch applications processing 80+ billion transactions a day	7/26/2018 6:55 AM
377	SQL	7/26/2018 6:51 AM
378	Radiology PACS system onsite	7/26/2018 6:45 AM
379	sql, ACL, and Teammate	7/26/2018 6:39 AM
380	supply chain management	7/26/2018 6:37 AM
381	AHT LTC	7/26/2018 6:35 AM
382	TMW, SAP	7/26/2018 6:33 AM
383	Legacy systems where we benchmark data and send tons of files out at a single point in time	7/26/2018 5:46 AM
384	EMR	7/26/2018 5:23 AM

A word cloud shaped like a cloud, containing various IT and business terms. The largest words are SAP, SQL, Oracle, CRM, ERP, Dynamics, and Exchange. Other prominent words include Data Warehouse, Business Intelligence, Analytics, Reporting, HR, Finance, Marketing, Sales, and Customer Relationship Management.

Q5 Which applications in your environment generate the most storage IO traffic?

Answered: 857



Answers were included in the above chart if there were at least 10 responses in the category. The responses below are simply listed as they could not be grouped into categories with at least 10 similar responses.

Citrix	Engagement	interactive design sessions
Video	trading applications	Polling systems
Dynamics	benefite	Intranet
Reporting	Users...not knowing what they need or don't	Power Chart
POS	Enterprise Merchandising System	CAE FEA
Adobe	virus scanning	prem exchange
VMware	EPIC CLarity	IoT event-based applications

Image	WhatsupGOLD	Production - Customer facing
Data related	Big data	IPI
Virtualization	Network Monitoring Logging	QA systems in debug mode
Splunk	big data applications	IR
CAD	Novell GroupWise	Quantel and Drastic
Microsoft	BizTalk	ITV
PACS	Online Traffic	Quote requests
Web	Excel	java based
Order Entry	Alteryx	Raiser's Edge
VMs	AHT LTC	JDE 9.0
Accounting	own software and Devops and R&D Departments	Real time monitoring
Hadoop	Execontrol	Jenkins
Manufacturing	Pegasus Transflo	recording
Solarwinds	Exodata	WMS
Claims	plm	any app that stores blob data
Cloud	FACETS XC	workflows
PeopleSoft	Clearcase build environments	Rev-Cycle
SAS	Bomgar	000 unique barcodeds DAILY
Media	pricing & transactions	Any Geological apps
BlackBoard	Box	Laserfiche
HPC	Qlik	Scada
iManage	FM Audit	Legacy
Creative	Radiology Systems	any microsoft application
Clinical	FortiClient VPN	LFM
Browser	Record ingest and storage before processing	Consumer site
3E	Fundraising (Blackbaud)	Life-nbA
Relativity	Reservation system	Control M
GitHub	gallery and e-mails.	Listed above
ETL	Cognos	Shop Floor Systems
SCCM	Gene Sequencing	log monitoring
Trading	Sefas Producer. This is only my scope of influence	SIEM
Security	general activity audits.	Logging and auditing applications
Commvault	shipboard apps	Software AG
Engineering software	general office applications.	Logstash
Development	Skype	Couchbase and Chat

Epicor	BPC	Machine patching
IOT	Spark	Speladex industrial
WFM	AI applications	Macola
GIS	ssl/tcp connections	Applications with heavy library calls for code or heavy dependence on data calls for typically dynamic data that is not resident within the application.
Word	Global Sales	main platform
Opera	Submission platforms	SSRS
Stalthebits	graphics managment applications	Mainframe
RDBMD	the one's that are not tested or assessed for load	student data
decision support	GTD and Taxport	Cards
we keep them balanced	TMW and TL2000	Supply Planning apps
Dell Boomi	Guidewire	cassandra
policy admin	Transactional Sales	The ones that are games.
Delphix	all	Maximo
servicenow	updates	The statistical package R
depends on the enviornments	Hbase	mbile
UDP device communication	Appraisal Application	Timekeeping software
Design program tools	HCM	cdk
Not applications but more on unstructured data stores	customer applications are invisible to us	Cube related
designed for distributed IO	HCS	Medidata
Parking application	Archiving	transaction
Avanti	HDFS read and write from various applications.	Messaging
PST	WebEx	TSM
device data	High transacation rate OLTP	Metric tracking systems
RTM	With the rise of In Memory cache grids	Unify
Devops	honeycomb	Changepoint
Solar Eclipse	NetSuite	UPoint
ACL	Business Objects	migration module
Ticketing	Nimble SAN	Varies
Banner	Huawei e-Sight	mirasys
vendor vertical market trading system by Brady Trinity - Trinity Metals	Not storage-heavy	VEEAM
ECM (Hyland OnBase)	I3	Mobile Devices

netsmart	chicago environment	Vetrocket
E-commerce	IBM notes	Monitoring
oltp	Online Access	Customer Reservation Systems
EDI	IdM	Municipal Court application
O's	OpenText DM	DAS
EDM	Business Software CGS	my C fast data platform ones
Plant Automation	CICS	Vmwate
EDMS	All Applications used internally	NAS
PowerPointVisio	Originations (a platform	as400
EDW	IMC	Navigator
Queries	outgoing	AS400 MAINFRAME
batch processes	In my realm	Navision
Client Versions.	AD and IE	Wind Tunnel Testing
elastic will be the highest IO in the end	Infor	NetApp
Commerce	PDI	Debit Card
Ellucian Banner	Infor Adage	Netflix
Shoretel	Classified	Jira
Bedside monitors	Informatica	Youtube
Applicant Tracking	PLC and network traffic	landesk
EMS Solutions	Ingestion applications	Large file generation/sending
testing applications	PMS	

Q6 What are the top 5 business critical applications that you support in your organization?

Answered: 856



Answers were included in the above chart if there were at least 19 responses in the category. The responses below are simply listed as they could not be grouped into categories with at least 19 similar responses.

Outlook	avid inews	Litera
Reporting	avimark	Lithium
Security	Bareos	live chat
Peoplesoft	Bartender	Loan Officer pipeline management
Data Related	batch jobs	lob apps
Image	Behavioral Intervention Management	Login
HR	Big Data	longview
VDI	BigFix	lotus
Analytics	Billing	LS-Dyna
Service	BizTalk	LTC
Skype	BLOB	Lumedex

EDI	Bluebeam	lync
eCommerce	BlueBeam/Adobe	Macola
Windows	bluecherry er	Magento
Great Plains	BO	Mapper
Network	Boarding Control	MapRed Jobs
Hadoop	BOLT	MaxRecall
Hyperion	BOM	MBAM
PACS	Bomgar	McAfee
Mainframe	Boomi	Medidata
Microsoft Applications	Box.com	Mediware CPR+
IIS	BPC	MEI
Adobe	Brand Integrity	member-facing applications
Supply Chain	brokerage management.	Meraki Cloud
Servers	Browser	Microstation
SAS	Budgeting tool	middleware
Autocad	Build	Middleware Applications
Telecom	Buyers Forecasting	mimecast
Sales	Capture	MiPACS
VMs	Care Fusion	mirasys
Reservations	Carpe	MIS
Warehouse	Carpe Diem	Mitel
Workday	Casamba	MITS
Intranet	CCM	MMS
CAD	CCP (CRM)	Modeling applications
Customer Apps	Centricity	mongo
Cisco	Chartmax	MongoDB
Shipping	Chat tool	most commonly apps.
Video	Checkout	mq
Trading	Checkpoint	Multiple hosted for clients GIS websites
Storage	cics	MyTime
Printing	CIFS	Nagios
Phones	CIRT	Nagios
Mobile Apps	Civil 3D	NAV
JDE	Click scheduler	NCR
DNS	Client Access	NCS
Communication	client portal	NDA covered

AWS	cmdb	NDD.
Crystal Reports	CMMS	Netcom
Collaboration	CMS	Netcracker
Cognos	Coaching	Netformix
Cloud	COBOL	netsmart
Virtual	Cohito	New Business
Splunk	collectors	News
VOIP	Compass	NextGen EMR
SCCM	Compliance	Nimble
Radiology	concurrence	nintex forms and workflows
Timekeeping	Confirmit	nitro
Payments	connected assets	NUIX
Messaging	Construction	NVR
Lawson	consumer systems	NX12
Jira	Consumer website	O2E
IBM	Contact Center	O2K
Marketing	contact center engagement platform	OA
Monitoring	content management software	OATI
NetSuite	Content Mgmt	object
IP	contributions gateway	OKTA
Credit	Control	OLTP
Engineering	Control M	OMI
Azure	Control systems in a plant environment.	onboarding
Access	cornerstone	one micro
Call Center	Corrective Actions	OneNote
AS400	COTS and GOTS applications	Online Access
Claims	covisint	Onshift
Teams	C-PACS	Open Text
Ticketing	CPW	OpenAir
Performance	credit unions services	OpenEdge
Spark	Crestron Fusion	OpenLDAP
Veeam	CRF	OpenText
Retail	Crowdrise	OpenText DM
Production	Crunchtime	Opera
Lotus Notes	CS Reporting	Optivision
McKesson	CsPro	order processing
Manufacturing	css	OSI-PI

Inventory	customer facing Transactional systems - 2	OSIPIE
MES	Cyberark	OSM
ESX	Cybsecurity	OSSI
Google	dameware	other business specific apps
AX	dasd	other
Antivirus	Datex	P2p
Box	DAX.	P8
3E	Dayforce	Pagerduty
Elite	Debit Card	PAM
Audit	deliverers	Parallels RAS
Blackboard	Dell Boomi	Parking
QuickBooks	Dell open manager	Partner Clearance App
VPN	Demand Planning	PathCore
Voice	Demantra	Patient data
Revenue Cycle Applications	Denali	pc miler
Students	Dentrix	PE EMR
WFM	deployment	Peace Texas
PLM	Deposits	Pegasus Transflo Batch scan
Relativity	Development	permitting
Record Keeping	Diamond	Personify
Work Order	Disclosure generation	PGD
Shop floor	Dispatch s/w	PHR
PMS	Distribution	pickup
Scanning	dock yard	PKI
WMS	doclink	Plant Automation
Purchasing	DocStar	policy admin
SolarWinds	Domain Controllers	Polling
various	domino	POM
Social	donations services	population health
Navigator	DOS	Portal
Fundraising	DR related and internal FIS applications.	Portfolio performance analysis
Internet	Draftsight	Portia
Microsoft	drive	PowerBI
ETL	Drwings	Powerscribe 360
LMS	DUO	Prepaid System
GE Centricity	DVO	Pricing

Logistics	EAM	private portals
Informatica	ebe	procurement
IE	EBE	Product data movement to connected systems
Guidewire	ECW	Product selection
Ncontracts	EDW	Progress DB
IVR	Elastic Search	Prometheus
Java	Electronic Forms	Prophet
Kronos	eLEM	Prophix
CDK	Ellucian Banner	ProSurv
Cardiology	EMC	Provenir
Apache	EMC SoureOne	PRTG
Conferencing	Employee website via SharePoint.	PSA
EKG	Empower	PTMS
Design	Encompass	Q2O
Epicor	Encrypted logging	QC
DHCP	end to end POS	QMatics
Dealer Management System	Endeca	Quickview
Unify	engagement	Quiet a few of them.
Symantec	Engine	QuoteWerks
Sharefile	enterprise one	R2O
Python	entire global network infrastructure	Radius Auth
TMW	entitlement gateway	Rally
R&D	eod	Rate Systems
Scheduling	EOHR	RE
Raiser's Edge	Epolicy Orchestrator	Readsoft
Success Factors	EPRESCRIBE	Recordings
RDC	Equilogic	regulatory
Tableau	era	regulatory weight control
RDS	eroom	Remedy
Transactions	E-scheduling	Rendezvous
PDI	ESDL	RENXT
Project	Essbase	Replenishment
Remote Access	eStatements	Retain
Search	ETAP	Reynolds and Reynolds
Replication	Event Response applications	RF Smart
Shoretel	Evidence Management	rhel
Research	exalink	Risk Transfer Application

SumTotal	Execontrol	Riskminder
Revit	External Client facing app etc	Rollbase
SYTELINE	F5 load balance	Rosch Immunology
Rightfax	FA Dashboard	RP
Primavera	FACETS	RTIconnect
saas	FDA software	Ruby Rails Environment
Trackwise	FEAR	S4HANA
PkMS	Fee data	Sabrix
Travel	fgh	Sagitta
Planning	FICR	SAN/NAS
Vertex	Fidelio	sandvine
Satellite apps	Field Direct	Scoring
Workflow	Field Sales Mobile	seismic processing
Scada	Field Sales Routing and Navigation	Services for a variety of functionality
youtube	Field Service	Shared folder
Fraud	File Sharing	Siebel
Novell	Fin	SIEM
NetApp	FinalSite (website management)	Signature (Core)
GIS	Firemon	Silverware
MDM	Firewall	SIS
Github	FIS	Sitefinity
FTP	Fleet Maintenance Software	Siteminder
HDFS	Flexara	Sitescope
NICE	Flight Eventing	SKU Ownership
HFM	Flight Operations	sl
Maximo	FocalPoint	SLATE
HPC	Forecast Planning	SMS
Merchandising	Formassembly	SODI
Identity Management	forms packager	Softeon wms
Facilities	Fundtech (Wires)	Solar Eclipse
Infor	FWs	solaris
Fetal Monitoring	FX	solid works
Federation	gcp	Solstice
Netdocs	GCS	Solution Series
Lending	Geo Apps	Source of Record
Notes	GeoCue	Spear/Hanson Asset management
Maintenance	GERS	Specification System
Onbase	gfgf	Speech recognition

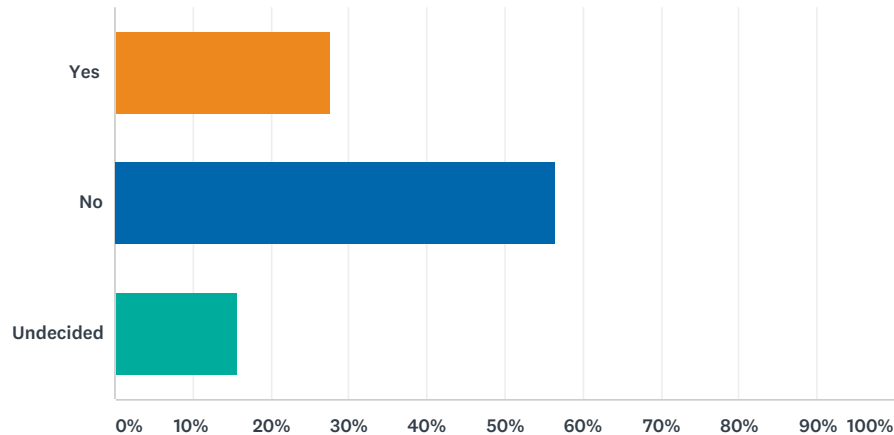
Manhattan	Gigwalk	Spiceworks
Operations	Giro Hastus	SpredSheet
ERM	GIT	ssas cubes
APM	Give	SSL
Commvault	Global DataCenter connectivity	SSMS
Couchbase	GlobalScape	SSO
ACH	gosystem/IE	SSRS
B2B	Governance	Standard platforms
Clarity	GPO	statistical analysis applications
BaaN	grafana	stoneware
EBS	GRC	Strategy
Back Office	Group Policy	Stripe
Concur	GTD	Sunquest
Account Management	Halo Reporting	Surgemail
Changepoint	handshake	SURGERY PLANNING
Banner	hard dollar	SUS
Dialer	hardware	SXe
Chat	Harmonic	System Center
Business Objects	Harvest	T837
BOBJ	Hbase	Tagging
EBMS	hcp anywhere	Taleo
Ariba	Healthcare Source	TBA
Cadence	Helpdesk Application	Tech support in general
Datastage	Hive	Technical Operations
eDiscovery	Hometrak	techsys
Coding	Horizon	terminal
Allegro	Hosting compute	the main platform is the only one
decision support	housing management systems	The ones that have to do with business.
Confidential	HPE SIM monitoring systems	Tibco
Chrome	Hris	Timberline
Confluence	HRMS	TJC
Desktop	HRP	TL2000
Corepoint	HTTPD	Tomcat
Allocation	HubSpot	too many to name
Classified	IDE	Town Clerk
SaaS based apps	idk	Tracker
3 m. Right fax	IdM	Training

360 LEARNING	IDX	TRANSFLO
3D apps	IDX(medical billing & claims)	Treev
911 CAD	IFS	Trenstar
a/d	Igt advantage	Truck Scales
A/D Security	IMB/Unix	TruckMate
Abaqus	IMC	TrueChem
Abbyy	Impala Jobs.	TurningPoint
accugrade	Importomatic	UPoint
ACI	Impravita SSO	up-time
ACL	IMS.	Users Apps
ACSR	indexing systems	Valant Empyra
Actimize	industry specific applications	vantage
Adaptive	Informix	vCenter
Aderant	infoship	VCS
ADFS and other federation toolsets	instant communicator	venturi
administrations systems	insurance portfolio management	Veracross (student information system)
Advisor	IntApp	version control
AES	Intapp Open	Vertical Wave
aftersales	interfaces	Visio
Agile PLM	Investment	vision link
AgilePoint	IPI	Vista
AHT	IPS/IDS	visual tool
AI	IR	visualization
ALOHA	IRMA	VIZ RT
Alteryx	Ironport	vizexplorer
Amdocs	iSeries	Voter Information System
AMI	iSynergy	vtc
Ancillary Support Apps	IT management/ticketing	WAF applications
Animal Welfare	ITSM	Waterfield
Ansys	ITV	Wausau Optima
Antimalware	Jabber	We are a power company so anything related to the customer or power grid
Anti-Money Laundering	Jail Management System	We are infrastructure
API Gateways	Jenkins	We have moved almost everything to AWS
apis	Jenzabar	We run 400+ apps
Apollo	jobvite apis with filtering	we support the underlying architecture.

App Platforms	Kafka	WebEx
app v	kb's	WFX
app1	Keepass	Windchill
Application	Know Your Customer	WinSCP
Application for Public Safety	Lab	Wintel
applied	Lab Management	Wireless applications
Aprimo	Lab systems	WMM
Apttus	Labeling system	Wonderware
Apttus and Navision	labgem	Woodwing
ArcGIS	labis	Work Manager mobility
archiving	Laboratory Apps	WPS (License Manager)
Ascend	Lansweeper	Wrap Portal
Aspect suite of apps	large enterprise operating systems	XenMobile
Aspentech homegrown software	Larue	XM
Aspera Polling	Law Enforcement	yahoo
ASR	LAW PreDiscovery	zendesk
assets managment	Lead onboarding	ZENEFITS
Athena	leadgen	Zimbra
atlas	Learning Management	zos
Atlassian ALM	Legacy apps	Zuora
Autodesk	legal	Avaya
AV	LegalKey	LIMS
Avamar	LFM	
Avatar	Lighthouse	

Q7 Regarding your I/O intensive applications running on MS SQL – Do you experience staff or customer complaints due to sluggish performance?

Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES
Yes	27.70% 251
No	56.51% 512
Undecided	15.78% 143
TOTAL	906

#	IF YES, WHAT ARE THE UNDERLYING APPLICATIONS?	DATE
1	Queries are taking too long	10/25/2018 8:20 AM
2	Provider Online, Facet and Index Builder	10/25/2018 8:07 AM
3	Wide-variety, some home-grown, others are analytics packages such as Tableau, etc.	10/25/2018 7:23 AM
4	Usually when blamed it is eventually shown to be the application.	10/25/2018 6:55 AM
5	all	10/25/2018 6:49 AM
6	MS CRM	10/25/2018 6:39 AM
7	PDI, Allegro	10/25/2018 6:19 AM
8	Poorly written queries	10/25/2018 5:46 AM
9	SharePoint	10/25/2018 5:16 AM
10	not sure	10/25/2018 4:32 AM
11	ERP, CRM	10/25/2018 3:52 AM
12	One suspected issue was the I/O performance, but this is not the sole factor that contributes	10/24/2018 5:23 PM
13	Front-end Web UI's	10/24/2018 2:54 PM
14	PDI Accounting / Laserfiche	10/24/2018 1:53 PM
15	Tam Retail - SQL database	10/24/2018 1:51 PM
16	Deltekt Vision	10/24/2018 1:18 PM

17	ERP	10/24/2018 12:54 PM
18	Hyperion, BMC TrackIT	10/24/2018 12:50 PM
19	....	10/24/2018 12:47 PM
20	our custom app	10/24/2018 12:25 PM
21	Intergy EHR	10/24/2018 12:23 PM
22	Forms management	10/24/2018 12:06 PM
23	syteline	10/24/2018 12:06 PM
24	ERP	10/24/2018 12:03 PM
25	Internally developed applications	10/24/2018 11:58 AM
26	Just Enough - Advertising System	10/24/2018 11:57 AM
27	Many	10/24/2018 11:55 AM
28	our database program, Hconnect	10/24/2018 11:48 AM
29	ERP	10/24/2018 11:40 AM
30	1000+ Databases	10/24/2018 11:27 AM
31	Not concerned with MS SQL	10/24/2018 11:16 AM
32	Microsoft HPC	10/24/2018 11:16 AM
33	eCommerce Platforms	10/24/2018 11:11 AM
34	no ms sql here	10/24/2018 11:02 AM
35	We dont run these applications on MS SQL	10/24/2018 10:59 AM
36	Some of the search operations run on MySQL which become slow due to the query overhead and also thows OutOfMemory	10/24/2018 10:44 AM
37	Accounting	10/24/2018 10:42 AM
38	Infor Adage	10/24/2018 10:41 AM
39	Allscripts Pro EHR	10/24/2018 10:40 AM
40	custom developed	10/24/2018 10:34 AM
41	Internally-developed apps	10/24/2018 10:29 AM
42	ERP	10/24/2018 10:17 AM
43	BI, General DB's	10/24/2018 10:16 AM
44	Very litte SQL here	10/24/2018 10:02 AM
45	Pegasus Transflo	10/24/2018 10:00 AM
46	SCCM, Symantec	10/24/2018 9:52 AM
47	ERP, Reporting	10/24/2018 9:44 AM
48	Memory and index related issues	10/24/2018 9:38 AM
49	have experience staff	10/24/2018 9:32 AM
50	Latencies	10/24/2018 9:32 AM
51	peak loads at end of month and end of year	10/24/2018 9:31 AM
52	It's complicated :(	10/24/2018 9:25 AM
53	DB server response	10/24/2018 9:22 AM
54	custom apps, indexing issues	10/24/2018 9:17 AM
55	n/A	10/24/2018 9:14 AM
56	citrix	10/24/2018 9:10 AM

57	N/A	10/24/2018 9:09 AM
58	dynamics, doclink	10/24/2018 9:03 AM
59	DelteK vision and homegrown	10/24/2018 9:01 AM
60	Powerchart	10/24/2018 8:59 AM
61	Macola	10/24/2018 8:43 AM
62	Conference all delivery	10/24/2018 8:30 AM
63	Data load and ETL	10/24/2018 8:27 AM
64	backup software - storage constraints	10/24/2018 8:26 AM
65	Custom .NET Applications	10/24/2018 8:24 AM
66	Performance Reporting	10/24/2018 8:24 AM
67	CRM	10/24/2018 8:24 AM
68	Warehouse management	10/24/2018 8:20 AM
69	the main platform	10/24/2018 8:18 AM
70	Empower	10/24/2018 8:01 AM
71	SAP	10/24/2018 7:45 AM
72	Custom built applications	10/24/2018 7:44 AM
73	Opera always going down	10/24/2018 7:43 AM
74	server uptime	10/24/2018 7:40 AM
75	on occasion we do experience customer complaints about being sluggish. However this comes from application performance and configuration. Its not generally caused by waiting for data from a database.	10/17/2018 9:31 AM
76	locks	10/15/2018 9:52 AM
77	Data Warehouse	10/12/2018 12:27 PM
78	Dynamics	10/10/2018 9:38 AM
79	Only from 3E	10/8/2018 11:55 AM
80	Varies by the multiple organizations being supported.	10/4/2018 12:03 PM
81	Navigator and Compass	10/4/2018 6:31 AM
82	Peoplesoft	10/3/2018 1:02 PM
83	AssistCK - users attempt to run queries that are far too large	10/3/2018 10:39 AM
84	Reporting and SCCM	10/3/2018 10:19 AM
85	financial	10/3/2018 9:55 AM
86	EBMS	10/3/2018 7:38 AM
87	netsmart	10/3/2018 7:38 AM
88	ERM	10/3/2018 7:12 AM
89	Jobs running too long.	10/3/2018 7:04 AM
90	Warehouse management	10/3/2018 6:51 AM
91	CRM and Reporting	10/3/2018 6:43 AM
92	usually indexing	10/3/2018 6:34 AM
93	As mentioned before, regulatory requirement deadlines are stretched to the very last minute because of poor performance and that can impact the business and / or our ability to rerun some of the processes if an issue is found with the output.	10/3/2018 6:30 AM
94	Sometimes slow	10/3/2018 6:22 AM

95	QNXT, SQL	10/3/2018 6:18 AM
96	Internally written and maintained software	10/3/2018 6:17 AM
97	oracle	10/3/2018 6:15 AM
98	NAV	10/3/2018 6:14 AM
99	order entry, documentation	10/3/2018 6:14 AM
100	Bandwidth and # of users	10/3/2018 6:12 AM
101	SQL	10/3/2018 6:03 AM
102	Mes	10/3/2018 6:00 AM
103	MES, Escheduling, SHopvue	10/3/2018 5:35 AM
104	ad fs, internal apps that use SQL	10/3/2018 5:33 AM
105	Wide area response and high data demand.	10/3/2018 5:33 AM
106	trade data, bloomberg	10/3/2018 5:30 AM
107	In house developed applications.	10/3/2018 5:27 AM
108	VB.net app.	10/3/2018 5:25 AM
109	Large SQL Queries	10/3/2018 5:17 AM
110	SQL	10/3/2018 5:15 AM
111	Oracle Siebel	10/3/2018 5:10 AM
112	Voice apps, MHE	10/3/2018 5:03 AM
113	Taxify	10/3/2018 5:02 AM
114	internal sites	10/3/2018 4:59 AM
115	Home grown	10/3/2018 4:58 AM
116	Great Plains	10/3/2018 4:57 AM
117	MSSQL is very fast.	10/3/2018 4:57 AM
118	N/A	10/3/2018 4:56 AM
119	Slow Disk and VM	10/3/2018 4:56 AM
120	Great Plains	10/3/2018 4:56 AM
121	Data warehouse	10/3/2018 4:55 AM
122	Halo and SQL	10/3/2018 4:51 AM
123	MSSQL	10/3/2018 4:50 AM
124	Dynamics NAV	10/2/2018 1:52 PM
125	EMR applications	9/26/2018 10:49 AM
126	SharePoint	9/25/2018 1:24 PM
127	TeamConnect	9/25/2018 12:45 PM
128	Great Plains	9/25/2018 12:37 PM
129	Sccm	9/25/2018 11:46 AM
130	Homegrown CRM	9/25/2018 11:02 AM
131	ms SQL	9/25/2018 10:48 AM
132	SQL reporting directly	9/25/2018 10:38 AM
133	Jira, Confluence	9/25/2018 9:43 AM
134	anything built over 3 years ago	9/25/2018 9:00 AM
135	just no enough speed to for data.	9/25/2018 8:27 AM

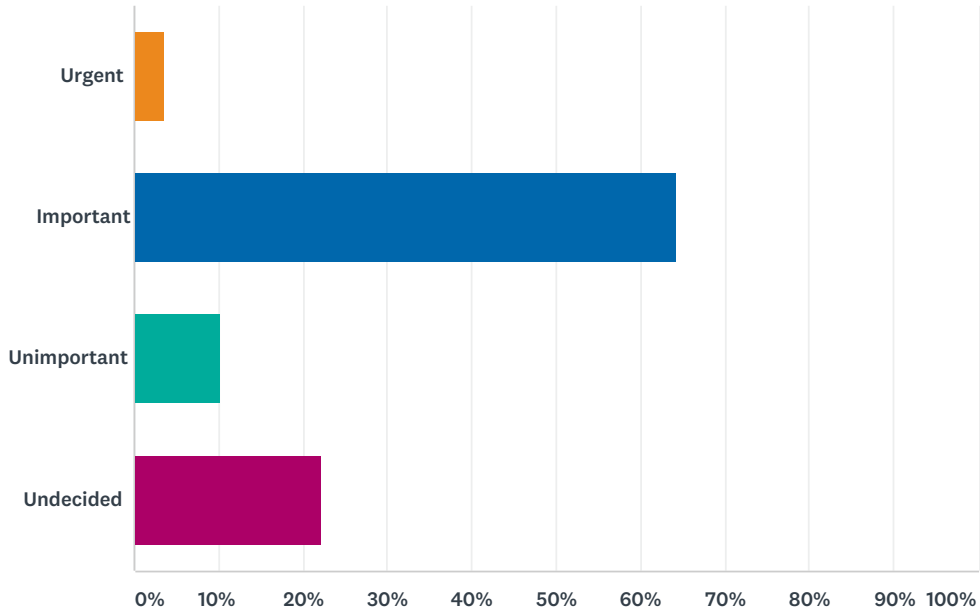
136	Dynamics	9/25/2018 8:03 AM
137	EDW and Internal app	9/25/2018 7:57 AM
138	Custom	9/25/2018 7:53 AM
139	.	9/25/2018 7:51 AM
140	Citrix XenDesktop/XenApp	9/25/2018 7:48 AM
141	Sage	9/25/2018 7:35 AM
142	Maximo, Credosoft	9/25/2018 7:10 AM
143	Internal Apps	9/25/2018 7:06 AM
144	Old legacy apps	9/25/2018 7:02 AM
145	This typically happens when a development team releases poorly tuned SQL statements and executes them in a loop. Atypical but happens.	9/25/2018 6:52 AM
146	call center app	9/25/2018 6:47 AM
147	Custom platform code, Data Import and ingestion, Monitoring	9/25/2018 6:45 AM
148	Solar Eclipse	9/25/2018 6:40 AM
149	Custom Reporting	9/25/2018 6:35 AM
150	Local DB; SQL Server 2008/2012	9/25/2018 6:28 AM
151	Citrix	9/25/2018 6:26 AM
152	TMW	9/25/2018 6:22 AM
153	clarity and ECW	9/25/2018 6:07 AM
154	Epic	9/25/2018 6:03 AM
155	Dasboard Reporting	9/25/2018 5:45 AM
156	custom, backbone js alongside ms sql via rest	9/25/2018 5:40 AM
157	office front ends	9/5/2018 6:51 AM
158	Datex	9/5/2018 6:27 AM
159	Multiple triggers, HW needing upgrades	9/5/2018 5:11 AM
160	Epic Clarity	9/5/2018 4:49 AM
161	Medical reporting database apps.	8/28/2018 9:02 AM
162	Flight Operations	8/28/2018 6:46 AM
163	Informatica	8/28/2018 6:44 AM
164	proprietary application, unable to discuss.	8/28/2018 5:58 AM
165	unknown	8/28/2018 4:57 AM
166	Unsure; I do not manage	8/28/2018 4:54 AM
167	Could be any. This doesn't happen often, but any application can be hit by a performance issue.	8/28/2018 4:50 AM
168	Home-made	8/28/2018 4:46 AM
169	SharePiont and hard dollar	8/22/2018 6:27 AM
170	NextGen EMR	8/21/2018 12:23 PM
171	DVO	8/21/2018 11:47 AM
172	See other answers	8/21/2018 11:44 AM
173	in house developed applications	8/21/2018 10:43 AM
174	GP	8/21/2018 9:00 AM
175	Various	8/21/2018 8:57 AM

176	Philips ISCV	8/21/2018 8:03 AM
177	CMR	8/21/2018 7:20 AM
178	Profit 21 (POS Software)	8/21/2018 7:06 AM
179	Proprietary software	8/21/2018 6:44 AM
180	Proficy and Oracle	8/10/2018 8:58 AM
181	Clearing system	8/9/2018 6:10 PM
182	SQL/Epicor	8/9/2018 1:07 PM
183	data	8/9/2018 10:49 AM
184	iManage	8/9/2018 10:13 AM
185	Deltek Vision	8/9/2018 10:04 AM
186	C# and CRM	8/9/2018 8:42 AM
187	our custom built app (Dot Net Based)	8/9/2018 7:32 AM
188	Solarwinds and IBM CLM	8/9/2018 7:08 AM
189	Not often and when we do, the problems are usually Software glitches or too many transactions at the same time	8/9/2018 6:31 AM
190	Aprimo	8/9/2018 5:25 AM
191	Customer-facing web applications	8/9/2018 5:00 AM
192	multiple	8/9/2018 4:56 AM
193	BI related	8/9/2018 4:52 AM
194	Access	8/9/2018 3:11 AM
195	ERP and satellite apps	8/8/2018 3:12 PM
196	SharePoint and some smaller custom apps	8/8/2018 10:06 AM
197	Some are homegrown but SQL in general are an issue	8/8/2018 8:26 AM
198	wait times	8/8/2018 7:19 AM
199	Bad T-SQL statements.	8/8/2018 6:21 AM
200	in house data warehouse -Trading system called Aquarius	8/8/2018 6:12 AM
201	slow performance	8/8/2018 6:04 AM
202	Citrix, SAP, Dynamics	8/8/2018 6:00 AM
203	occasionally	8/8/2018 5:36 AM
204	ERP	8/8/2018 5:33 AM
205	Mediware CPR+	8/8/2018 5:28 AM
206	Slow performance with applications built on the SQL platform	8/8/2018 5:03 AM
207	Dynamics AX	8/8/2018 5:00 AM
208	Homegrown	8/8/2018 4:56 AM
209	Optivision	8/8/2018 4:56 AM
210	Accounting and data analytics	8/8/2018 4:53 AM
211	Ninite	7/27/2018 10:06 AM
212	Pricing application - RMS	7/26/2018 11:47 AM
213	SAP	7/26/2018 10:24 AM
214	Call analytics	7/26/2018 10:22 AM
215	data analytics	7/26/2018 9:03 AM

216	Jail Management System, Employee Time Keeping	7/26/2018 8:36 AM
217	Dealer Management System not even running on SQL	7/26/2018 7:57 AM
218	Process control system inputs	7/26/2018 7:02 AM
219	SAP B1	7/26/2018 6:51 AM
220	Fetal monitoring system	7/26/2018 6:45 AM
221	TeamMate	7/26/2018 6:40 AM
222	document management	7/26/2018 6:38 AM
223	various	7/26/2018 6:20 AM

Q8 If you were able to reduce I/O from server to storage and get 50% faster application performance without adding new hardware, how would you rank that benefit?

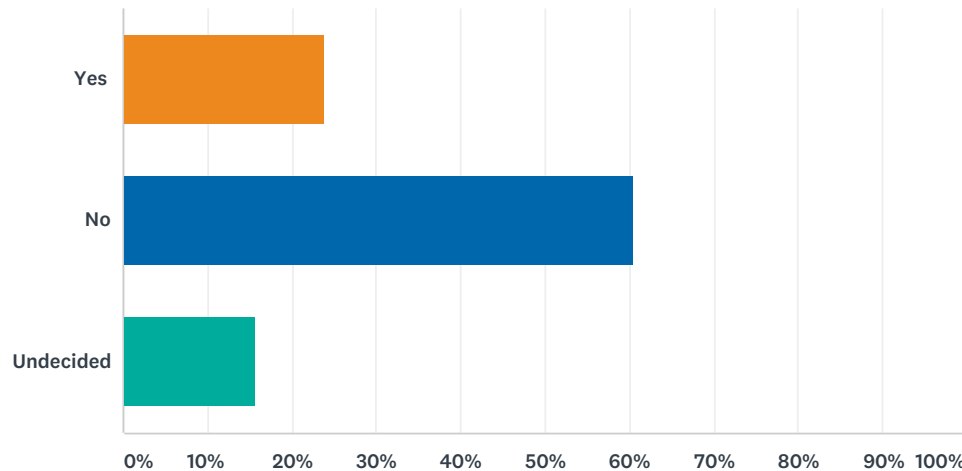
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
Urgent	3.53%	32
Important	64.13%	581
Unimportant	10.15%	92
Undecided	22.19%	201
TOTAL		906

Q9 Do you have performance concerns about applications running in your virtual environment that are preventing you from scaling your virtualized infrastructure?

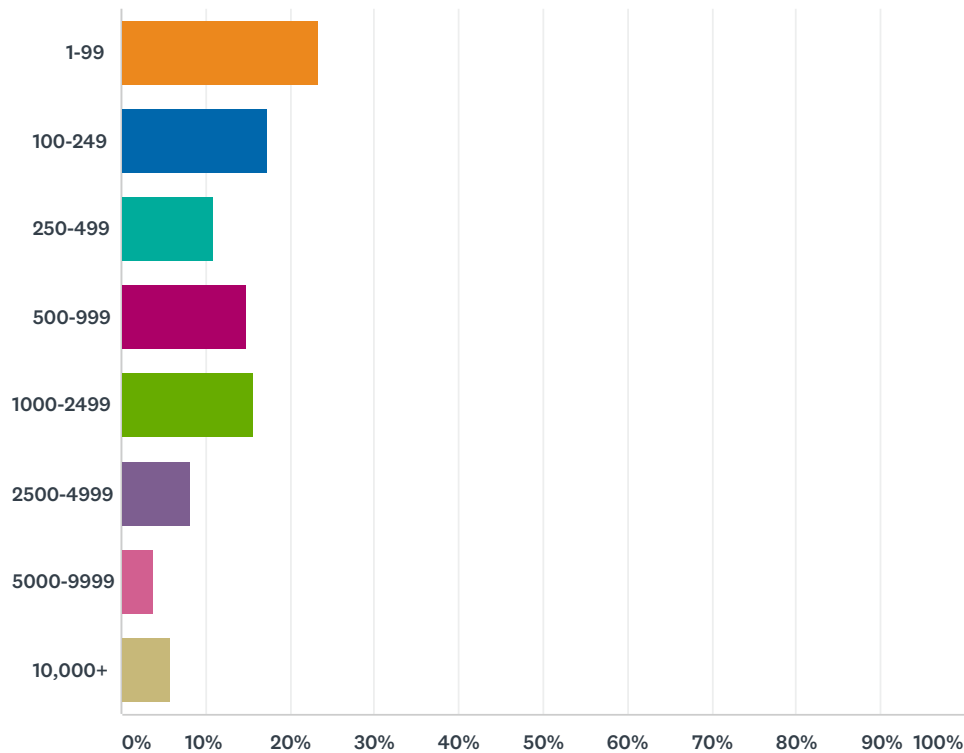
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	23.84%	216
No	60.49%	548
Undecided	15.67%	142
TOTAL		906

Q10 How many virtual machines in your organization?

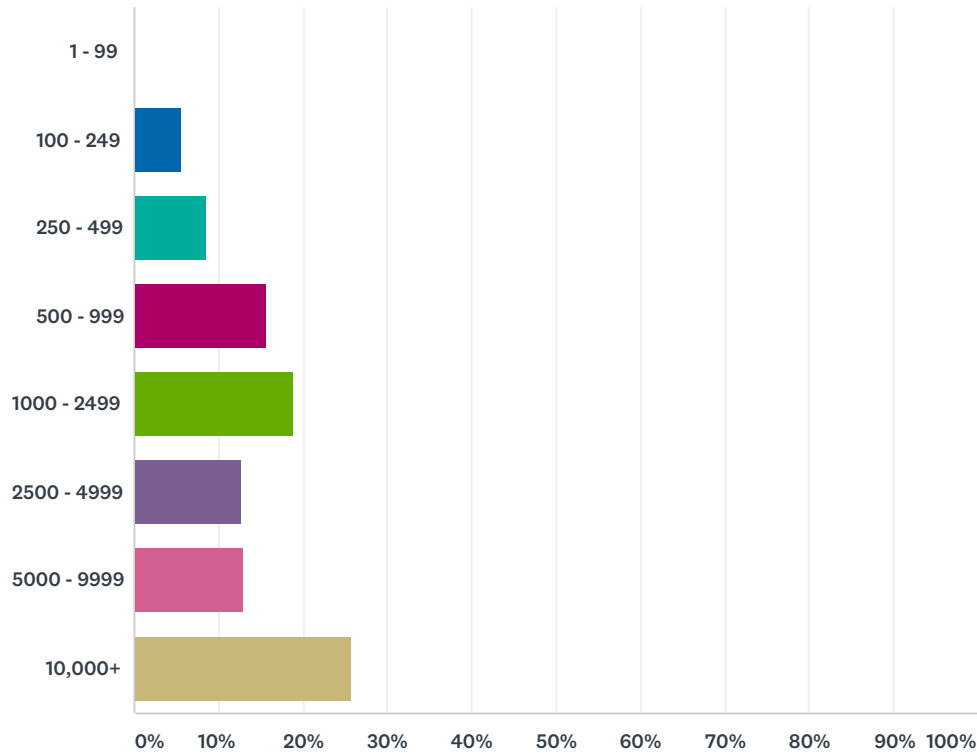
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
1-99	23.51%	213
100-249	17.44%	158
250-499	10.93%	99
500-999	14.79%	134
1000-2499	15.67%	142
2500-4999	8.06%	73
5000-9999	3.75%	34
10,000+	5.85%	53
TOTAL		906

Q11 How many employees in your organization?

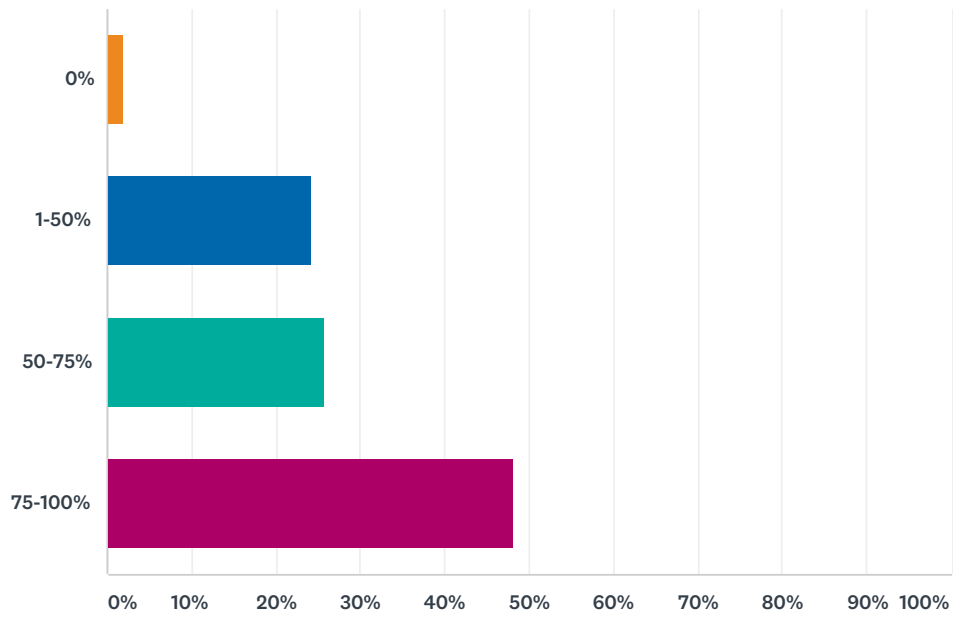
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
1 - 99	0.00%	0
100 - 249	5.63%	51
250 - 499	8.50%	77
500 - 999	15.67%	142
1000 - 2499	18.87%	171
2500 - 4999	12.69%	115
5000 - 9999	12.91%	117
10,000+	25.72%	233
TOTAL		906

Q12 What percentage of your server environment has been virtualized?

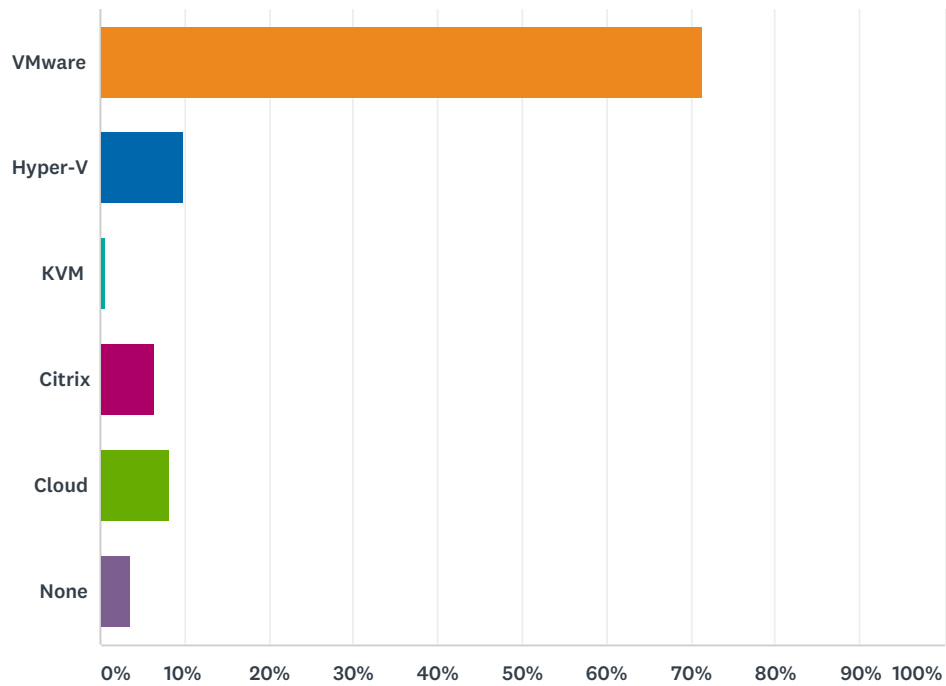
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
0%	1.99%	18
1-50%	24.28%	220
50-75%	25.72%	233
75-100%	48.01%	435
TOTAL		906

Q13 What is your hypervisor of choice?

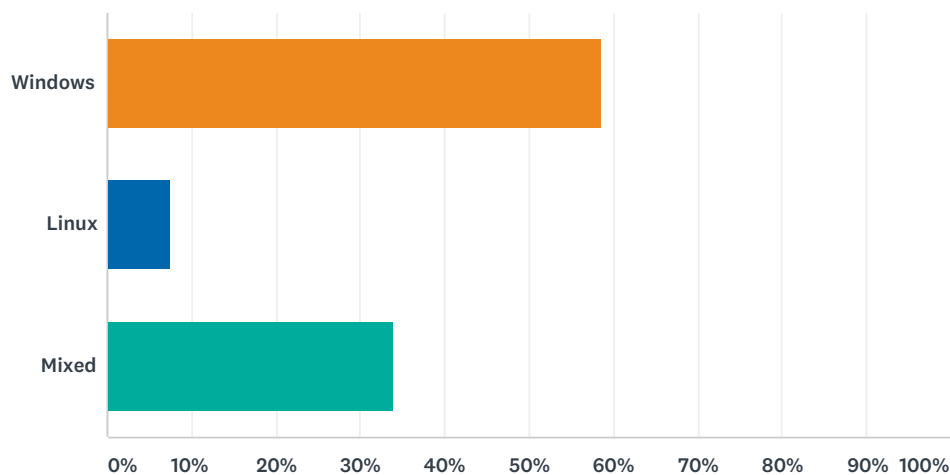
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
VMware	71.41%	647
Hyper-V	9.93%	90
KVM	0.55%	5
Citrix	6.40%	58
Cloud	8.06%	73
None	3.64%	33
TOTAL		906

Q14 What is the operating system of choice for your virtual servers?

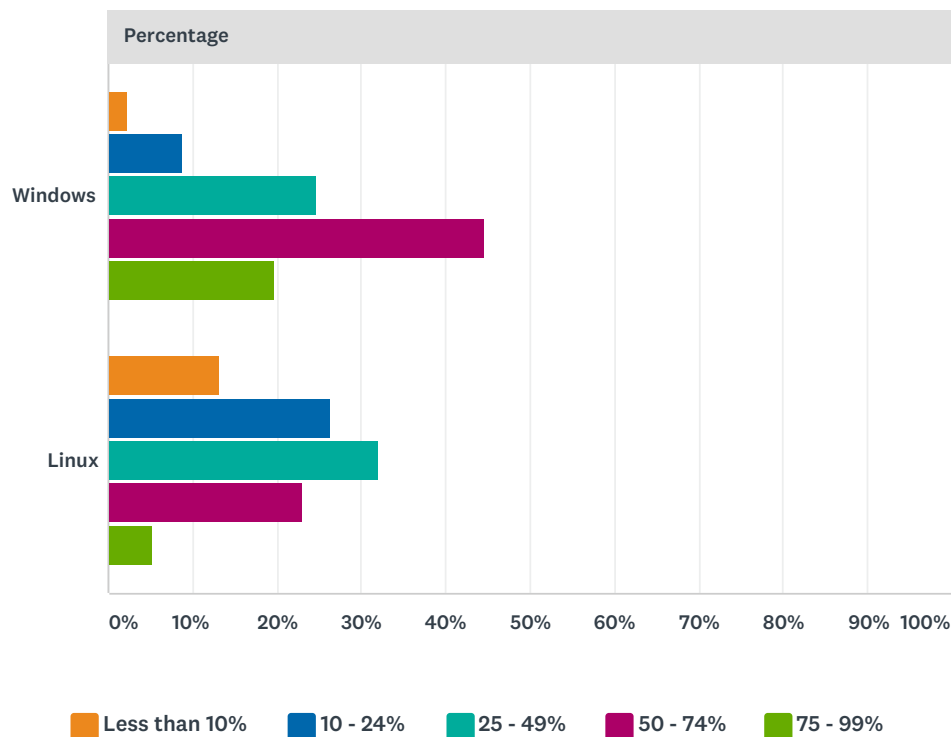
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
Windows	58.50%	530
Linux	7.51%	68
Mixed	34.00%	308
TOTAL		906

Q15 You indicated your operating system of choice for your virtual servers is mixed; please indicate the percentage:

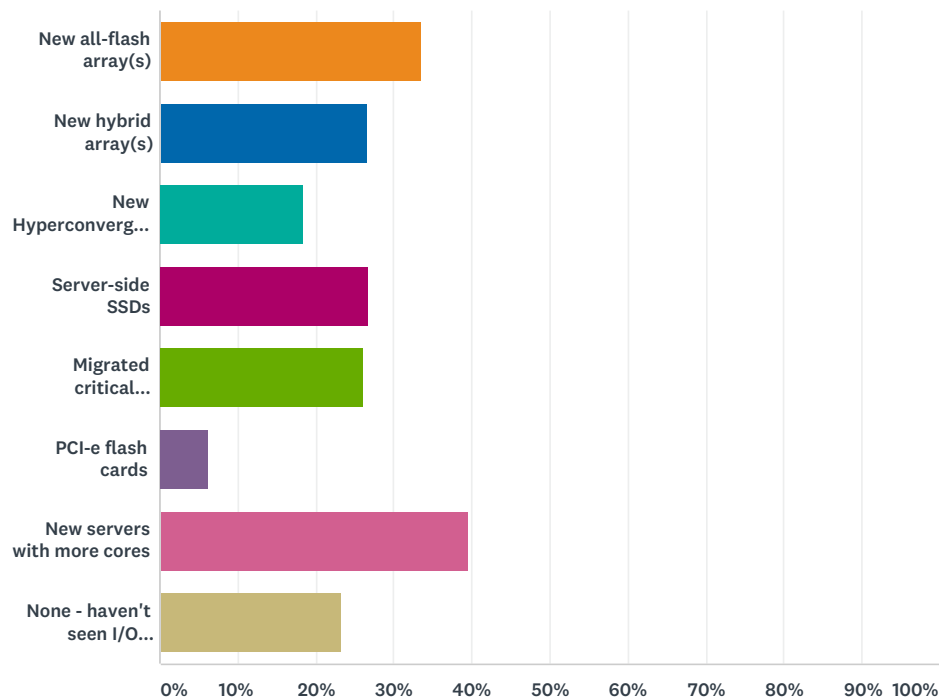
Answered: 305 Skipped: 601



Percentage						
	LESS THAN 10%	10 - 24%	25 - 49%	50 - 74%	75 - 99%	TOTAL
Windows	2.30% 7	8.85% 27	24.59% 75	44.59% 136	19.67% 60	305
Linux	13.20% 40	26.40% 80	32.01% 97	23.10% 70	5.28% 16	303

Q16 To improve I/O performance since virtualizing please select any of the following that you have purchased:

Answered: 906 Skipped: 0



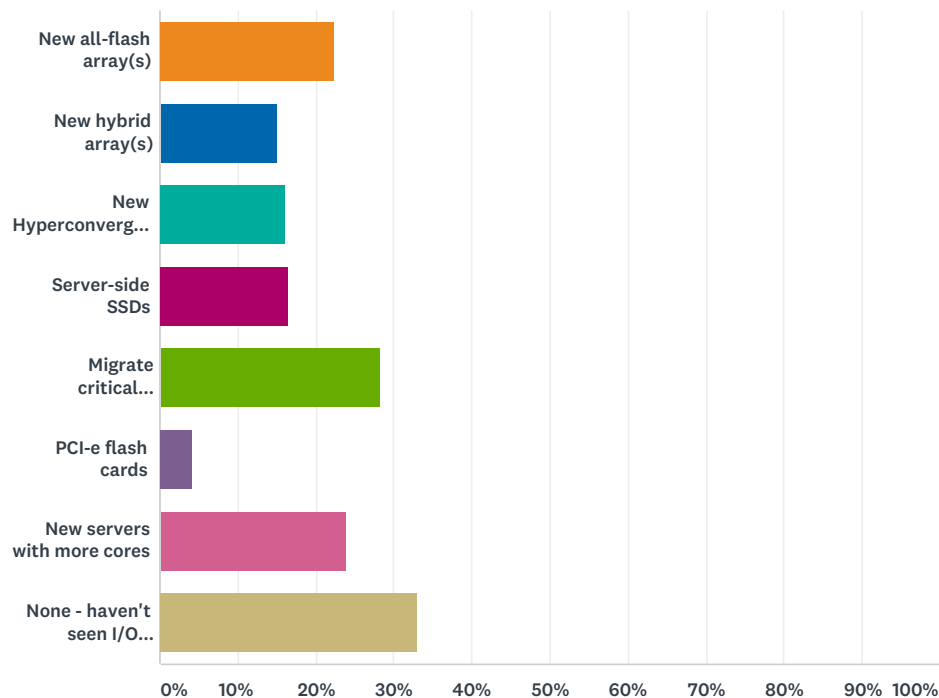
ANSWER CHOICES		RESPONSES	
New all-flash array(s)		33.55%	304
New hybrid array(s)		26.60%	241
New Hyperconverged storage system(s)		18.32%	166
Server-side SSDs		26.71%	242
Migrated critical workloads to Cloud		26.16%	237
PCI-e flash cards		6.29%	57
New servers with more cores		39.62%	359
None - haven't seen I/O performance issues since virtualizing		23.29%	211
Total Respondents: 906			

#	OTHER (PLEASE SPECIFY)	DATE
1	We are purchasing servers for building an internal cloud for container type virtualization. Containers, microservices and orchestration is strictly open source at this time.	10/25/2018 8:42 AM
2	IBM mainframe running z/os operating system - don't have these problems	10/25/2018 8:13 AM
3	Working on all Flash Array	10/25/2018 6:49 AM
4	I/O is all cloud-based; we leveraged new VM types for better performance	10/25/2018 5:47 AM

5	New Netfilers	10/25/2018 4:46 AM
6	We migrated all VM's from conventional to Hyper converged system solution	10/25/2018 4:08 AM
7	we're using shelves of SSD as cache buffers for HDD aggregates	10/25/2018 3:47 AM
8	Virtualizing the infrastructure belongs in a different group.	10/24/2018 1:15 PM
9	No idea, not my area	10/24/2018 12:54 PM
10	Flash based IO cards (inline flash cache)	10/24/2018 12:26 PM
11	Really don't virtualize in the area I work	10/24/2018 11:17 AM
12	Cloud is in consideration	10/24/2018 9:57 AM
13	Tiered Storage Arrays for stale data Deep tier	10/24/2018 7:44 AM
14	EMC VNX replaced all previous physical and virtual hardware last year.	10/8/2018 11:57 AM
15	Moved applications to mainframe servers	10/5/2018 8:48 AM
16	I am not in a position to say as I don't know.	10/4/2018 12:08 PM
17	Unknown	10/4/2018 6:34 AM
18	Undecided	10/4/2018 5:01 AM
19	Not my area of expertise	10/3/2018 4:56 AM
20	No upgrades have been done since	10/2/2018 1:54 PM
21	Not sure not my area	9/25/2018 9:21 AM
22	No Idea: not my dept	9/25/2018 8:09 AM
23	.	9/25/2018 7:52 AM
24	In a managed hosting environment, so there are in place hybrid SANs and expansion is the only mitigation so far. Not effective at this point.	9/25/2018 6:48 AM
25	Not sure. I don't manage the VM hardware of environments	9/25/2018 6:05 AM
26	N/A Do not purchase not part of scope.	9/25/2018 5:58 AM
27	I'm not that involved on the infrastructure side, so i'm not completely aware of wha tthey have purchased.	8/28/2018 4:52 AM
28	Faster spinners	8/21/2018 7:07 AM
29	we had Flash enabled HBAs for a while, moved to UCS so they are not valid now	8/9/2018 7:34 AM
30	We are currently looking at moving fundraising to the cloud.	8/9/2018 6:32 AM
31	Migrated non-critical workloads to the cloud	8/9/2018 5:02 AM
32	I do not purchase, only recommend.	8/9/2018 4:50 AM
33	Nutanix	8/8/2018 9:57 AM
34	We do not share this info	8/8/2018 9:09 AM
35	I'm not responsible for data center configurations	7/26/2018 9:17 AM
36	upgrade our Dealer Management System	7/26/2018 7:59 AM

Q17 To improve I/O performance over the next year, please select any of the following that you plan to purchase:

Answered: 906 Skipped: 0



ANSWER CHOICES		RESPONSES	
New all-flash array(s)		22.41%	203
New hybrid array(s)		15.12%	137
New Hyperconverged storage system(s)		16.00%	145
Server-side SSDs		16.56%	150
Migrate critical workloads to Cloud		28.26%	256
PCI-e flash cards		4.19%	38
New servers with more cores		23.84%	216
None - haven't seen I/O performance issues since virtualizing		33.00%	299
Total Respondents: 906			

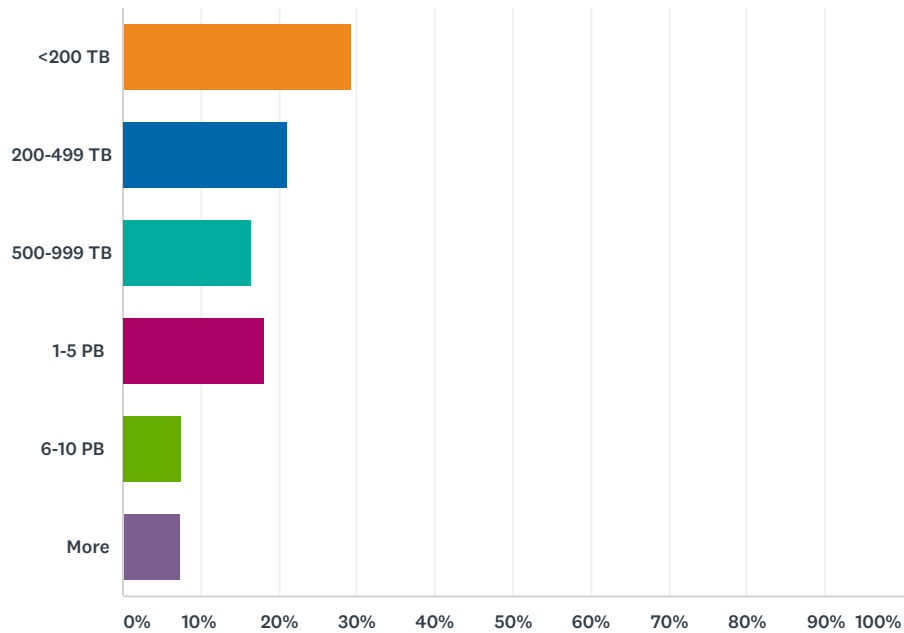
#	OTHER (PLEASE SPECIFY)	DATE
1	complete network upgrade to 100g infrastructure in the lab.	10/25/2018 8:43 AM
2	Equipment will be replaced as part of the HLC	10/25/2018 6:57 AM
3	Our new fiscal year just started - no plans available yet	10/25/2018 4:46 AM
4	Some systems will be within the DoD Environment (Clinical & Logistics)	10/25/2018 4:17 AM

5	Not responsible for purchase decisions	10/24/2018 3:44 PM
6	Note sure at this point.	10/24/2018 1:03 PM
7	No idea, not my area	10/24/2018 12:54 PM
8	Unsure	10/24/2018 11:39 AM
9	Not virtualizing	10/24/2018 11:18 AM
10	Undecided	10/24/2018 10:42 AM
11	none lately Our SQL servers are still physical on heavy load apps like warehousing	10/24/2018 10:38 AM
12	Undecided	10/24/2018 9:41 AM
13	Not sure	10/24/2018 9:18 AM
14	Virtualizing isn't really on our radar so nothing planned	10/24/2018 8:53 AM
15	None	10/24/2018 8:40 AM
16	undecided at this time	10/24/2018 8:04 AM
17	If needed	10/24/2018 7:45 AM
18	not in budget	10/24/2018 7:40 AM
19	not sure what path they want to follow.	10/17/2018 10:09 AM
20	cannot speak / write to future plans	10/6/2018 7:38 AM
21	migrate workload to z/linux or pSeries servers	10/5/2018 8:49 AM
22	I do not know.	10/4/2018 12:09 PM
23	Unknown	10/4/2018 6:34 AM
24	Undecided	10/4/2018 5:01 AM
25	Storage system is pushing to reduce NAS usage and inclease use of EMC SAN Solution	10/3/2018 7:36 AM
26	not yet decided	10/3/2018 6:22 AM
27	Unknown - depends on business need, if it gets worse	10/3/2018 6:16 AM
28	such plans are w/ AXA Infra Team	10/3/2018 5:55 AM
29	none	10/3/2018 5:16 AM
30	No additional purchases, developers working on the application	10/3/2018 5:04 AM
31	I don't know what's in the plan to purchase.	10/3/2018 4:58 AM
32	No considerations at the moment	10/2/2018 1:55 PM
33	not sure	9/25/2018 12:33 PM
34	Not sure not my area	9/25/2018 9:21 AM
35	Again, if the vm team is going to purchase any, I've no idea.	9/25/2018 8:10 AM
36	nothing at this time since we recently acquired more	9/25/2018 8:06 AM
37	upgrades are not in the budget	9/25/2018 7:33 AM
38	I am not directly involved in this planning.	9/25/2018 7:00 AM
39	Don't know. I don't manage the VM hardware or environment	9/25/2018 6:05 AM
40	N/A Not involved in purchase.	9/25/2018 5:58 AM
41	code analysis	8/28/2018 6:00 AM
42	unknown	8/28/2018 4:57 AM
43	see other answer	8/28/2018 4:52 AM
44	Moving to a 3rd party supported data center	8/21/2018 9:49 AM
45	* We have already purchased, but possibly need more in future.	8/21/2018 7:08 AM

46	NASA is evaluating most of the above	8/9/2018 7:19 AM
47	Nutanix	8/8/2018 9:58 AM
48	Not aware of future plans	8/8/2018 9:10 AM
49	We do not share this info	8/8/2018 9:10 AM
50	Havent made any plans	8/8/2018 5:37 AM
51	Unknown - do not work in Service Operations	7/26/2018 12:38 PM
52	I'm not responsible for optimizing datacenter performance	7/26/2018 9:17 AM
53	Nothing is planned, mainly due to funding, but research is always being done.	7/26/2018 8:38 AM
54	upgrade our Dealer Management System	7/26/2018 7:59 AM
55	Utilizing serverless cloud components instead of servers in the cloud	7/26/2018 5:49 AM

Q18 How much storage does your team manage / use?

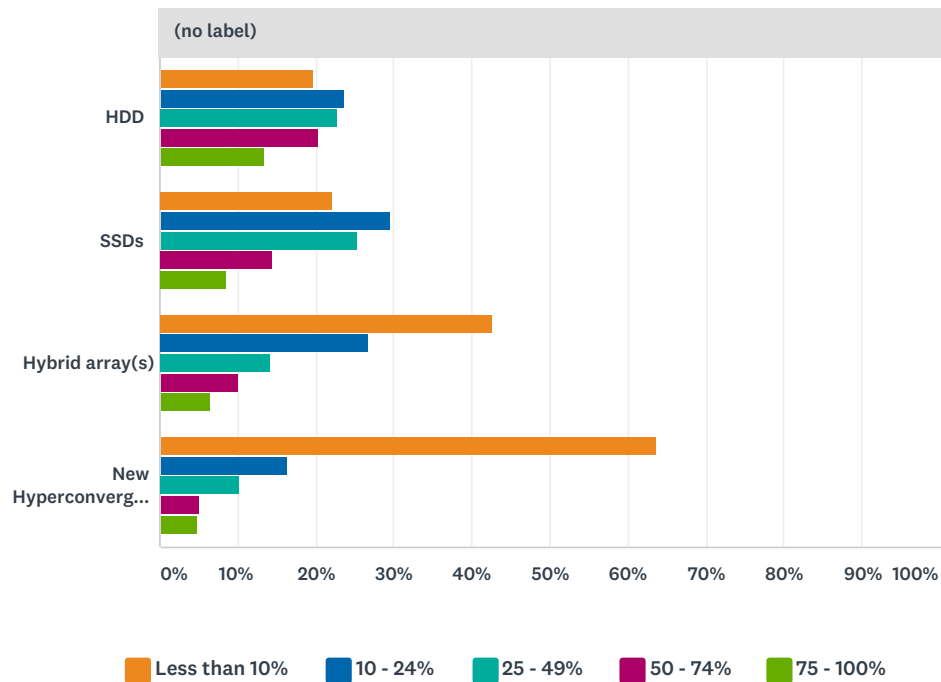
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
<200 TB	29.36%	266
200-499 TB	21.19%	192
500-999 TB	16.45%	149
1-5 PB	18.10%	164
6-10 PB	7.51%	68
More	7.40%	67
TOTAL		906

Q19 What is the current makeup of your storage infrastructure?

Answered: 906 Skipped: 0



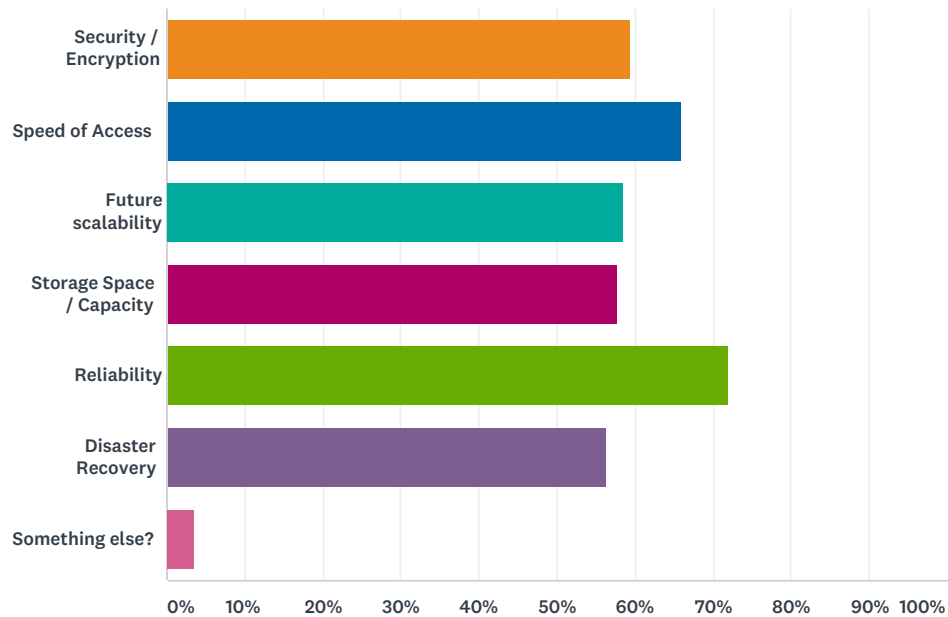
(no label)						
	LESS THAN 10%	10 - 24%	25 - 49%	50 - 74%	75 - 100%	TOTAL
HDD	19.66% 164	23.62% 197	22.90% 191	20.38% 170	13.43% 112	834
SSDs	22.18% 183	29.45% 243	25.33% 209	14.42% 119	8.61% 71	825
Hybrid array(s)	42.70% 304	26.69% 190	14.19% 101	9.97% 71	6.46% 46	712
New Hyperconverged storage system(s)	63.52% 404	16.35% 104	10.22% 65	5.03% 32	4.87% 31	636

#	OTHER (PLEASE SPECIFY)	DATE
1	IBM mainframe storage - 3390 compatible	10/25/2018 8:14 AM
2	Cloud	10/25/2018 5:48 AM
3	Dont know	10/25/2018 4:47 AM
4	cloud gateways	10/24/2018 1:21 PM
5	I do not have that information	10/24/2018 12:01 PM
6	Not really my area	10/24/2018 11:19 AM
7	unknown	10/24/2018 10:33 AM
8	Not Sure	10/24/2018 10:17 AM
9	Everything new goes in the cloud	10/24/2018 10:03 AM

10	S3 EBS glacier	10/24/2018 9:32 AM
11	No Hyperconvergence here.	10/24/2018 9:27 AM
12	Not sure	10/24/2018 9:17 AM
13	AWS EBS storage	10/24/2018 8:33 AM
14	Cloud	10/24/2018 7:47 AM
15	Unknown	10/4/2018 6:35 AM
16	Undecided	10/4/2018 5:01 AM
17	AWS cloud storage - about 99%	10/3/2018 10:41 AM
18	Flash based Array	10/3/2018 8:07 AM
19	don't know, i'm not in IT i just want the tablet	10/3/2018 8:01 AM
20	Tape!	10/3/2018 6:13 AM
21	unsure	10/3/2018 5:56 AM
22	unknown	10/3/2018 5:27 AM
23	all flash SANs	10/3/2018 5:23 AM
24	i don't really know	10/3/2018 5:10 AM
25	cloud	10/3/2018 4:57 AM
26	Unknown	10/3/2018 4:57 AM
27	It my area. I have no access to see storage.	9/25/2018 9:22 AM
28	not disclosing this	9/25/2018 8:53 AM
29	Not sure	9/25/2018 8:24 AM
30	Again, my team solely works with saas.	9/25/2018 8:10 AM
31	Unsure really	9/25/2018 6:06 AM
32	other	9/25/2018 6:06 AM
33	Not part of my scope responsibilities selected min as I do not know.	9/25/2018 6:00 AM
34	No idea	9/5/2018 7:41 AM
35	cloud	9/5/2018 6:22 AM
36	cloud based	8/28/2018 6:00 AM
37	unknown by me	8/9/2018 5:48 AM
38	The new Hyperconverged systems will replace the current servers.	8/9/2018 5:03 AM
39	Synced active storage (pure)	8/8/2018 11:14 AM
40	We do not share this info	8/8/2018 9:10 AM
41	Azure Storage	8/8/2018 8:33 AM
42	Unknown	7/26/2018 12:39 PM

Q20 What are your most important storage considerations (please select all that apply)?

Answered: 906 Skipped: 0



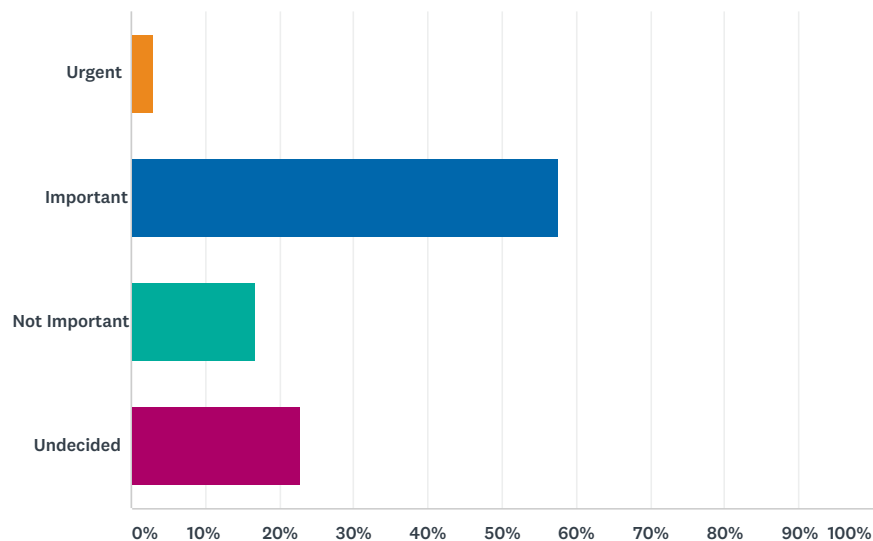
ANSWER CHOICES	RESPONSES	
Security / Encryption	59.49%	539
Speed of Access	65.89%	597
Future scalability	58.50%	530
Storage Space / Capacity	57.84%	524
Reliability	71.96%	652
Disaster Recovery	56.29%	510
Something else?	3.64%	33
Total Respondents: 906		

#	SOMETHING ELSE?	DATE
1	Cost	10/25/2018 7:01 AM
2	Cost	10/25/2018 6:50 AM
3	Image Storage (High Bandwidth	10/25/2018 4:19 AM
4	Cost:)	10/24/2018 5:46 PM
5	Cost	10/24/2018 2:12 PM
6	N/a	10/24/2018 1:32 PM
7	No idea, not my area	10/24/2018 12:55 PM
8	Doughnut storage	10/24/2018 12:29 PM

9	Data classification, AAA	10/24/2018 12:17 PM
10	Future upgrades and security patches, high availability	10/24/2018 10:50 AM
11	That it is cloud based where possible	10/24/2018 10:03 AM
12	Global support	10/24/2018 9:43 AM
13	Depup, compression, replication, S3 integration, data analytics	10/24/2018 8:14 AM
14	Managed Centrally	10/24/2018 7:48 AM
15	i have no concerns	10/24/2018 7:43 AM
16	a scalability factor: balancing number/size of volumes with managing many volumes	10/6/2018 7:40 AM
17	Undecided	10/4/2018 5:01 AM
18	something else	10/3/2018 10:23 AM
19	na	10/3/2018 5:26 AM
20	N/a	10/3/2018 5:18 AM
21	confidential	9/25/2018 4:49 PM
22	on demand pricing	9/25/2018 6:27 AM
23	Cost	9/25/2018 6:13 AM
24	N/A	9/25/2018 6:00 AM
25	This is a good ildie.	9/19/2018 12:32 PM
26	that's it.	8/29/2018 5:19 PM
27	cost	8/22/2018 8:03 PM
28	N/A	8/21/2018 12:45 PM
29	diffrent system	8/9/2018 8:20 AM
30	Cost	8/9/2018 5:24 AM
31	Cost	8/8/2018 8:29 AM
32	N/A	8/8/2018 8:25 AM
33	PIV-enabled	7/26/2018 12:44 PM

Q21 If you could improve the performance of one or two applications via inexpensive I/O reduction software and avoid an expensive forklift upgrade to your compute, network or storage layers, how would you rank that benefit?

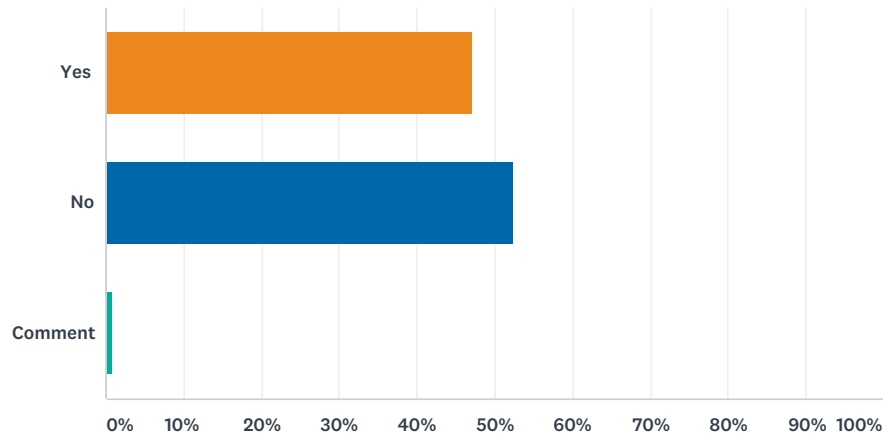
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
Urgent	2.87%	26
Important	57.62%	522
Not Important	16.67%	151
Undecided	22.85%	207
TOTAL		906

Q22 Are you aware of Windows write inefficiencies that generate increasingly smaller writes and reads that dampen system performance?

Answered: 906 Skipped: 0

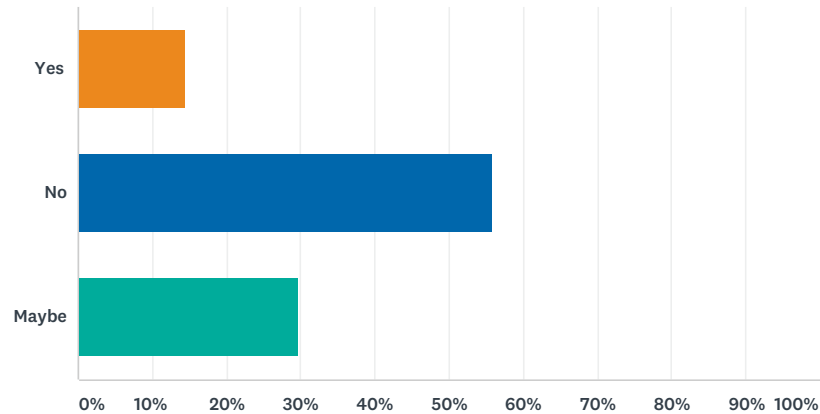


ANSWER CHOICES	RESPONSES	
Yes	47.02%	426
No	52.21%	473
Comment	0.77%	7
TOTAL		906

#	COMMENT	DATE
1	Zero dependancy on Microsoft products in the infrastructure where we have high I/O loads.	10/25/2018 8:48 AM
2	Undecided	10/4/2018 5:02 AM
3	Are we talking about fragmentation here? Or something else?	10/3/2018 10:30 AM
4	I expect Windows to be a poor performer.	10/3/2018 5:52 AM
5	Yes but SSDs are minimizing the effects	10/2/2018 1:58 PM
6	you can tune block size to help minimize this	8/9/2018 7:38 AM
7	I am now.	8/8/2018 5:18 AM

Q23 Would you like a free I/O Assessment Tool to identify which Windows systems in your environment are suffering from I/O issues and which systems are not?

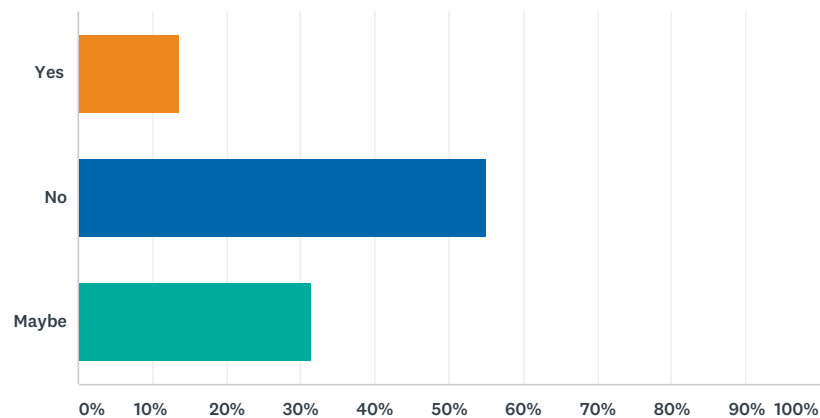
Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	14.35%	130
No	55.85%	506
Maybe	29.80%	270
TOTAL		906

Q24 Would you like information or even free evaluation of a software-only approach that reduces the I/O requirement for every workload running on your VMs and guarantees to solve performance issues on Windows servers?

Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	13.58%	123
No	54.97%	498
Maybe	31.46%	285
TOTAL		906

Q25 When considering your IT role and responsibilities, what problem(s) do you wish would go away to make your life easier (unrelated to your boss or staff)?

Answered: 737 Skipped: 169

#	RESPONSES	DATE
1	user management	10/25/2018 1:13 PM
2	Funding approval	10/25/2018 10:41 AM
3	latency	10/25/2018 9:55 AM
4	Budget problems	10/25/2018 9:25 AM
5	I'm not really IT, we don't have an IT presence at this office. I'm more on the Devops side.	10/25/2018 8:50 AM
6	Catch up on lifecycle refresh	10/25/2018 8:42 AM
7	Requirements gathering, currently we implement applications without proper requirements gathering.	10/25/2018 8:24 AM
8	mpls provider downtime, o365 ethereal issues with mail, netapp sux	10/25/2018 8:24 AM
9	commuting	10/25/2018 8:16 AM
10	Unintended network failures, storage capacity limit issues and an easier migration to cloud.	10/25/2018 8:12 AM
11	System performance and network latency	10/25/2018 7:50 AM
12	malicious websites	10/25/2018 7:43 AM
13	Simplified infrastructure and application landscape	10/25/2018 7:27 AM
14	Intermittent and nearly untrackable performance issues.	10/25/2018 7:09 AM
15	I don't have any truly critical pain points at this time. We are aware of solutions to the issues we do have.	10/25/2018 7:02 AM
16	storage shortage	10/25/2018 6:52 AM
17	File Permissions!	10/25/2018 6:51 AM
18	issues with basic things - computers, connections, server patches, etc.	10/25/2018 6:41 AM
19	Increase automation of daily activities.	10/25/2018 6:38 AM
20	Constant upgrade	10/25/2018 6:32 AM
21	low budgets	10/25/2018 6:30 AM
22	Time it takes to deal with Security and Patching.	10/25/2018 6:24 AM
23	Do more with less cost	10/25/2018 6:17 AM
24	Network latency	10/25/2018 6:12 AM
25	forklift upgrades	10/25/2018 5:56 AM
26	Regular maintenance! i.e. system patching and updates	10/25/2018 5:50 AM
27	Network/System downtime	10/25/2018 5:19 AM
28	My concerns are mainly related to Enterprise Architecture. I would be happy to get more transparency in our storage situation globally.	10/25/2018 4:49 AM
29	No real problem, per say...just not enough hours in the day to move projects forward.	10/25/2018 4:49 AM
30	All infrastructure related issues. We could then focus on improving the quality of services.	10/25/2018 4:49 AM
31	any challenges we might have are related to outsourced IT support and MSP management	10/25/2018 4:30 AM

32	Scaling systems	10/25/2018 4:22 AM
33	Relationships with external entities which increase workload.	10/25/2018 4:21 AM
34	Robo calls.	10/25/2018 4:18 AM
35	get rid of oracle, homegrown, and legacy applications. fix the culture.	10/25/2018 3:52 AM
36	Windows bugs	10/25/2018 1:47 AM
37	na	10/24/2018 6:43 PM
38	Relevant business cases with quantifiable ROI and not just marketing fluff or sales talk. Thanks.	10/24/2018 5:47 PM
39	Storage & Performance issue	10/24/2018 5:26 PM
40	performance	10/24/2018 5:20 PM
41	Interop issues	10/24/2018 4:54 PM
42	migrate mainframe legacy systems to Virtual systems	10/24/2018 4:46 PM
43	Capacity and performance management is made difficult by rapidly shifting business and customer needs, so being agile and able to pivot quickly to accommodate those changes is key. Most traditional data centers are not able to provide this ability. That makes it difficult to maintain some business critical data on-prem, with business infrastructure in the cloud.	10/24/2018 4:33 PM
44	Standardization of power plugs in portable devices. Sounds silly, but my desk is filled with adapters, plugs, etc in case a user forgets theirs	10/24/2018 3:48 PM
45	Right now? Linux package conflicts that prevent the installation of a critical tool.	10/24/2018 3:46 PM
46	We have a fairly good handle on our challenges and how to resolve them.	10/24/2018 2:56 PM
47	ROI	10/24/2018 2:52 PM
48	Network outages.	10/24/2018 2:41 PM
49	Clarity to Closer alignment to business and strategic objectives	10/24/2018 2:13 PM
50	system Security	10/24/2018 2:10 PM
51	Aren't they all though? A better way to handle AD authentication on wifi network would be nice.	10/24/2018 2:00 PM
52	small staff easier to manage large infrastructure	10/24/2018 1:56 PM
53	latency, stability	10/24/2018 1:42 PM
54	Remove legacy systems	10/24/2018 1:34 PM
55	Growth of data	10/24/2018 1:23 PM
56	Bad data across the ESB.	10/24/2018 1:17 PM
57	I wished we had a better way to alert on and respond to trends before they became issues.	10/24/2018 1:14 PM
58	Total cloud computing	10/24/2018 1:04 PM
59	Retention policies for Government Agencies.	10/24/2018 1:03 PM
60	Aging hardware and issues associated with that.	10/24/2018 1:00 PM
61	FAT clients, network instability	10/24/2018 12:58 PM
62	E-mail. If E-mail were to go away, my job would be 100000% easier. Random surveys with prizes are cool though.	10/24/2018 12:56 PM
63	downtime	10/24/2018 12:54 PM
64	Un-informed end users.	10/24/2018 12:53 PM
65	....	10/24/2018 12:50 PM
66	Third party hosted system latency and performance	10/24/2018 12:44 PM
67	data sprawl due to SaaS and PaaS services.	10/24/2018 12:37 PM
68	process and procedures	10/24/2018 12:33 PM

69	unrelated / false alerts	10/24/2018 12:32 PM
70	I love doughnuts.	10/24/2018 12:30 PM
71	Migration roadblocks	10/24/2018 12:18 PM
72	Improved performance, scalability, stability	10/24/2018 12:17 PM
73	constantly adding new storage	10/24/2018 12:10 PM
74	Poor documentation, poor communication	10/24/2018 12:10 PM
75	DevOps	10/24/2018 12:10 PM
76	Make the application owners more IT savvy so they stop asking for the impossible. But seriously: Improve the upgrade path from one OS version to the next; Improve the management tools and consoles to require fewer clicks to get from one thing to the next; Insure that every management console task has an associated PowerShell command so the steps being done in a console can be scripted; Fleshout tools all for example: SCCM uses a full SQL database on the backend but collections can only be created using WQL vs. full SQL query languages.	10/24/2018 12:09 PM
77	everything in the cloud would solve our issues	10/24/2018 12:09 PM
78	Speed, performance and security	10/24/2018 12:08 PM
79	older applications	10/24/2018 12:06 PM
80	I wish people would do their job so I dont have to!	10/24/2018 12:06 PM
81	My application & Batch to run faster.	10/24/2018 12:00 PM
82	Storage space and connectivity issues, upgrade hassles	10/24/2018 11:58 AM
83	Outages affecting any of our carriers. We have circuits with AT&T, Windstream, Spectrum and local ISPs, and only AT&T provides the 4-Nines.	10/24/2018 11:52 AM
84	System slowdowns	10/24/2018 11:44 AM
85	for me personally; being able to identify phantom servers.	10/24/2018 11:43 AM
86	Unexpected downtime	10/24/2018 11:40 AM
87	On-site hardware	10/24/2018 11:34 AM
88	Citrix	10/24/2018 11:30 AM
89	Budget	10/24/2018 11:29 AM
90	president of the united states!	10/24/2018 11:26 AM
91	Migrations.	10/24/2018 11:22 AM
92	Containerize or HPC environment	10/24/2018 11:21 AM
93	Bureaucracy	10/24/2018 11:21 AM
94	Outdated architecture, people and systems.	10/24/2018 11:19 AM
95	out of touch support staff	10/24/2018 11:18 AM
96	Backup windows	10/24/2018 11:12 AM
97	Firewall access & SQL query/procedure speeds	10/24/2018 11:10 AM
98	Users	10/24/2018 11:05 AM
99	Infrastructure	10/24/2018 11:02 AM
100	unified management standardized tools/software	10/24/2018 11:02 AM
101	Audit.	10/24/2018 11:00 AM
102	automation	10/24/2018 10:58 AM
103	Internal understanding of the value of IT	10/24/2018 10:57 AM
104	My machine's performance. Most of the windows run on HDD and it would be very helpful to receive SSD for those. Not commenting on UNIX terminal as it is now available as subsystem in Windows 10 although facing lots of problems while trying to SSH to a box using it.	10/24/2018 10:54 AM

105	database data contentions	10/24/2018 10:50 AM
106	Unfair questions, they are direct recipients of that award. Accessibility, performance, and the complaining of speed.	10/24/2018 10:48 AM
107	worrying about infrastructure	10/24/2018 10:48 AM
108	better business priorities	10/24/2018 10:45 AM
109	Windows bugs	10/24/2018 10:45 AM
110	Storage	10/24/2018 10:44 AM
111	No Comment.	10/24/2018 10:44 AM
112	Capital	10/24/2018 10:43 AM
113	Slow performance	10/24/2018 10:42 AM
114	Strategic Planning	10/24/2018 10:42 AM
115	Unrelated to my job except I have to wait longer. There are other teams that work on that stuff.	10/24/2018 10:41 AM
116	I need to make more time in the day to get everything accomplished.	10/24/2018 10:37 AM
117	Help Desk support for slow connections	10/24/2018 10:33 AM
118	app performance issues	10/24/2018 10:32 AM
119	Password retention period	10/24/2018 10:30 AM
120	Budget	10/24/2018 10:30 AM
121	all infrastructure	10/24/2018 10:29 AM
122	not being asked IT questions when I'm not the IT person	10/24/2018 10:26 AM
123	nothing comes to mind	10/24/2018 10:22 AM
124	Better Standards Approach	10/24/2018 10:19 AM
125	Performance issues, complexity of hypervisor, automatic backups, automatic system recovery, identifying the bottlenecks in performance issues faced.	10/24/2018 10:18 AM
126	Lack of available snacks.	10/24/2018 10:12 AM
127	Virtualisation ,disaster recovery	10/24/2018 10:11 AM
128	File servers all over the globe.	10/24/2018 10:10 AM
129	unwanted emails	10/24/2018 10:08 AM
130	Speed	10/24/2018 10:08 AM
131	Legacy Systems and processes Paper	10/24/2018 10:08 AM
132	Latency	10/24/2018 10:06 AM
133	None	10/24/2018 10:05 AM
134	lack of documentation about software platforms	10/24/2018 10:04 AM
135	legacy systems	10/24/2018 10:04 AM
136	Managing people	10/24/2018 10:04 AM
137	will to accept the emerging technologies	10/24/2018 9:59 AM
138	performance	10/24/2018 9:59 AM
139	Faster data loads and retrievals	10/24/2018 9:58 AM
140	end users	10/24/2018 9:58 AM
141	Less fire fighting of server performance, back up failures and virtualization performance.	10/24/2018 9:57 AM
142	The Ability to spend money that we need to instead of not spending money.	10/24/2018 9:49 AM
143	Easy consolidated storage and recovery.	10/24/2018 9:49 AM

144	having to worry about infrastructure	10/24/2018 9:49 AM
145	Efficient and effective UI	10/24/2018 9:48 AM
146	network conection	10/24/2018 9:48 AM
147	nothing	10/24/2018 9:47 AM
148	Patching issues.	10/24/2018 9:46 AM
149	Physical HDD	10/24/2018 9:45 AM
150	VM provisioning and managements that includes performance trouble shooting	10/24/2018 9:45 AM
151	More cost effective storage (e.g., cost efficiency for a variety of performance requirements for both block and file use cases in a single consolidate array).	10/24/2018 9:44 AM
152	Manual tasks	10/24/2018 9:44 AM
153	Inefficiencies with connectivity with our users, 99.9% uptime.	10/24/2018 9:43 AM
154	Took 2 of my choices away. Space issues	10/24/2018 9:37 AM
155	As close tonReal-time streaming of monitoring data	10/24/2018 9:36 AM
156	performance issues	10/24/2018 9:36 AM
157	all of the issues.	10/24/2018 9:35 AM
158	Budget	10/24/2018 9:35 AM
159	System and data sprawl. Data is scattered into too many systems and processes.	10/24/2018 9:31 AM
160	Email administration :(	10/24/2018 9:30 AM
161	Lack of storage/VM	10/24/2018 9:30 AM
162	easier purchasing model	10/24/2018 9:28 AM
163	Internet bandwidth	10/24/2018 9:25 AM
164	reliability of software	10/24/2018 9:24 AM
165	delay on I/O ,wait on I/O, inconsistencies	10/24/2018 9:23 AM
166	Cost for tools	10/24/2018 9:21 AM
167	None	10/24/2018 9:20 AM
168	Noisy neighbor in VM farms	10/24/2018 9:18 AM
169	Less Incidents for the Service Desk due to applications performance.	10/24/2018 9:18 AM
170	Performance and reliability issues	10/24/2018 9:17 AM
171	High maintenance cists	10/24/2018 9:16 AM
172	technical skills	10/24/2018 9:15 AM
173	Bugs	10/24/2018 9:15 AM
174	Integrations	10/24/2018 9:14 AM
175	n/a	10/24/2018 9:11 AM
176	Pain wity replication of data between sites.	10/24/2018 9:07 AM
177	server speed and congestion issues	10/24/2018 9:06 AM
178	Errors	10/24/2018 9:01 AM
179	Patch Management of end points	10/24/2018 8:46 AM
180	Less calls on server performance and application performance	10/24/2018 8:43 AM
181	better performance with AWS Elastic Network Adapter that affects iSCSI disk I/O	10/24/2018 8:38 AM
182	Firmware updates.	10/24/2018 8:38 AM
183	Performance issues	10/24/2018 8:38 AM

184	Move more infrastructure to the Cloud	10/24/2018 8:37 AM
185	Quicker data access, better logging, traceability	10/24/2018 8:35 AM
186	Occasional network instability, storage hickups.	10/24/2018 8:33 AM
187	help desk support	10/24/2018 8:31 AM
188	unsure	10/24/2018 8:31 AM
189	Windows 10 updates, haha	10/24/2018 8:30 AM
190	More direct control vs shared infra	10/24/2018 8:29 AM
191	Patching	10/24/2018 8:28 AM
192	Most issues have been resolved to date.	10/24/2018 8:28 AM
193	Multiple servers and technologies. Would like to stick to one technology and OS.	10/24/2018 8:28 AM
194	Nothing	10/24/2018 8:27 AM
195	Storage scaling, performance bottlenecks	10/24/2018 8:26 AM
196	Connectivity issues with our remote facilities.	10/24/2018 8:26 AM
197	following corporate guidance	10/24/2018 8:26 AM
198	storage capacity and performance	10/24/2018 8:26 AM
199	We have performance issues at times with network speeds using windows DFS. The mac's use SMB protocol which can be challenging at times with DFS.	10/24/2018 8:26 AM
200	Would like everyone else to take some responsibility for what they do rather than push everything over the fence to IT	10/24/2018 8:24 AM
201	Issue awareness and slow IO	10/24/2018 8:24 AM
202	No comment	10/24/2018 8:23 AM
203	automation and integration to make scaling easier, security monitoring more informative, and workflows more efficient.	10/24/2018 8:22 AM
204	licensing	10/24/2018 8:21 AM
205	Data growth management and storage management and back up management	10/24/2018 8:17 AM
206	The whole existence of backups.	10/24/2018 8:16 AM
207	Hacking and government controls	10/24/2018 8:12 AM
208	automation	10/24/2018 8:11 AM
209	time to delivery, cost limitations	10/24/2018 8:10 AM
210	use of the terms, "cloud", "devops" and anything promoting the idea of infrastructure running itself. nonsense.	10/24/2018 8:10 AM
211	Performance	10/24/2018 8:10 AM
212	Patching	10/24/2018 8:08 AM
213	Faster performance and reliability	10/24/2018 8:08 AM
214	Politics preventing the implementation of the proper solutions	10/24/2018 8:07 AM
215	Constant security patching/updates that are necessary but break things - File shares, DFS, 3rd party application functionality, email, etc.	10/24/2018 8:04 AM
216	having the ability to be in control of services provided to 3 party vendor	10/24/2018 8:03 AM
217	Excessive complexity to implement a faster approach, excessive management increases for my staff.	10/24/2018 7:59 AM
218	Complaints	10/24/2018 7:59 AM
219	Network Performance issues	10/24/2018 7:55 AM
220	I/O Blender Effect	10/24/2018 7:53 AM

221	less manual entries.. more AI capabilities	10/24/2018 7:52 AM
222	storage transparency (invisible)	10/24/2018 7:51 AM
223	More diagnostic tools for performance	10/24/2018 7:51 AM
224	Inefficient monitoring	10/24/2018 7:48 AM
225	N/A	10/24/2018 7:48 AM
226	less things to manage	10/24/2018 7:47 AM
227	High Out-Years on maintenance for hardware over three years, that can force upgrades on cost vs technical improvements	10/24/2018 7:47 AM
228	Ransomware/Phishing	10/24/2018 7:46 AM
229	Of course	10/24/2018 7:46 AM
230	I don't support I/O	10/24/2018 7:45 AM
231	Getting rid of SAP	10/24/2018 7:44 AM
232	Predicable data consumption	10/24/2018 7:44 AM
233	Vendor updates that don't work	10/24/2018 7:44 AM
234	DSC for my infrastructure	10/24/2018 7:43 AM
235	More Virtualization	10/24/2018 7:42 AM
236	None I can think of	10/24/2018 7:42 AM
237	As of right now we are doing great, no complaints	10/24/2018 7:41 AM
238	Policy and arbitrary security requirements	10/24/2018 7:41 AM
239	bugs in software	10/24/2018 7:40 AM
240	I would like all latency to go away and make my job to reduced to looking at logs on a daily basis automated then filtering only urgent issues and being paid for full time employee taking care of the environment being the super administrator. Only failed drives will get me down.	10/17/2018 10:14 AM
241	streamlining project requests to increase transparency and collaboration	10/15/2018 9:56 AM
242	Less calls to support queue	10/12/2018 12:33 PM
243	Minimize Hardware and memory utilization failures	10/10/2018 1:12 PM
244	Simplification of migration tools an dprocesses	10/10/2018 9:42 AM
245	Thomson Reuters poor application design	10/8/2018 12:00 PM
246	performance issues are a constant struggle - and since we are hybrid with on prem servers, virtual servers that we manage and virtual environments that we pay to have another company manage - we are constantly trying to investigate our way towards the source of a performance problem so we can address it. performance problems are also HIGHLY subjective, and I would welcome metrics that can be analyzed so we're not always relying on the end users' perception of performance issues.	10/8/2018 7:39 AM
247	complexity	10/8/2018 6:53 AM
248	tragedy-of-the-commons WRT disk space in large volumes	10/6/2018 7:41 AM
249	constant audits and security layers	10/5/2018 8:52 AM
250	The belief that all application errors or issues are actually Network problems.	10/4/2018 12:16 PM
251	Capacity chaos and data lifecycle management.	10/4/2018 8:59 AM
252	Users.	10/4/2018 8:38 AM
253	Automate mundane tasks	10/4/2018 7:47 AM
254	Upgrade compatibility issues between software versions	10/4/2018 6:41 AM
255	?	10/4/2018 6:11 AM
256	Easier management of environment.	10/4/2018 6:01 AM

257	Undecided	10/4/2018 5:02 AM
258	I wish disaster recovery was easier.	10/4/2018 4:21 AM
259	having visibility into UBA and having AI to mitigate network and system issues.	10/3/2018 4:32 PM
260	Secure and reliable with high availability	10/3/2018 1:07 PM
261	Dont have these kinds of pain points.	10/3/2018 12:23 PM
262	More focused monitoring and alerts	10/3/2018 11:43 AM
263	performance issues	10/3/2018 11:04 AM
264	Patching	10/3/2018 10:57 AM
265	Slow boot time of my laptop	10/3/2018 10:45 AM
266	Automation of SCCM remediation	10/3/2018 10:32 AM
267	people	10/3/2018 10:24 AM
268	outages	10/3/2018 9:57 AM
269	currently we are looking to Nutanix which will increase the space the redunency.	10/3/2018 9:44 AM
270	Better forecasting would help me the most.	10/3/2018 9:44 AM
271	Culture	10/3/2018 9:10 AM
272	tools to monitor system	10/3/2018 9:07 AM
273	Better configuration management	10/3/2018 8:54 AM
274	n/a	10/3/2018 8:41 AM
275	Budget	10/3/2018 8:10 AM
276	user error	10/3/2018 8:02 AM
277	Slow producer performance which mostly seems application based.	10/3/2018 7:41 AM
278	none	10/3/2018 7:41 AM
279	system failures, vendor failure to meet SLA	10/3/2018 7:40 AM
280	Latency!	10/3/2018 7:31 AM
281	Network access with providers	10/3/2018 7:26 AM
282	Capital funding shortage. Cumbersome purchase approval process	10/3/2018 7:22 AM
283	Apps that identify issues and are reliable	10/3/2018 7:20 AM
284	integration and scale	10/3/2018 7:14 AM
285	Reliability Issues	10/3/2018 7:10 AM
286	Data migration	10/3/2018 7:08 AM
287	Support	10/3/2018 6:56 AM
288	Streamline windows and java updates	10/3/2018 6:56 AM
289	Hyperlinks in e-mails.	10/3/2018 6:47 AM
290	Vendor reduction	10/3/2018 6:44 AM
291	training to stay up to date	10/3/2018 6:44 AM
292	No	10/3/2018 6:42 AM
293	eliminating the redundant manual time consuming tasks - automation babay!	10/3/2018 6:41 AM
294	The stress around worrying about if we can add more data to our modeling tool because the business would like to add more data but we currently aren't scalable and able to do that.	10/3/2018 6:37 AM
295	Having to manage security	10/3/2018 6:32 AM
296	Improved vendor support	10/3/2018 6:30 AM

297	application performance, user experience consistency.	10/3/2018 6:27 AM
298	Bandwidth, I/O time	10/3/2018 6:24 AM
299	better project management	10/3/2018 6:24 AM
300	Vendors cold calling, budgetary constraints	10/3/2018 6:23 AM
301	lengthy processes an procedures that delay development	10/3/2018 6:23 AM
302	rapid scaling	10/3/2018 6:21 AM
303	Unexpected impact from changes	10/3/2018 6:21 AM
304	Users trying to introduce new tech and/or ways to store data.	10/3/2018 6:20 AM
305	uneducated user base.	10/3/2018 6:20 AM
306	able to scale based on usage	10/3/2018 6:19 AM
307	Patch management	10/3/2018 6:18 AM
308	Planned obsolescence	10/3/2018 6:16 AM
309	?	10/3/2018 6:16 AM
310	Lack of visualization of the entire organization	10/3/2018 6:15 AM
311	adaptation of cloud	10/3/2018 6:14 AM
312	memory & storage caps	10/3/2018 6:13 AM
313	We like a challenge	10/3/2018 6:10 AM
314	Not sure at this time	10/3/2018 6:06 AM
315	Lack of storage and system crashes.	10/3/2018 6:05 AM
316	Reduction in manual repetitive services.	10/3/2018 6:04 AM
317	Heavy Endpoint security	10/3/2018 6:03 AM
318	None	10/3/2018 6:02 AM
319	Application Teams working to ensure accuracy of Systems Docs and ensuring adherence to Enterprise standards & design guidelines.	10/3/2018 6:02 AM
320	Disparate technology stacks in the same environment.	10/3/2018 6:00 AM
321	aging equipment	10/3/2018 6:00 AM
322	false alarms	10/3/2018 5:58 AM
323	Competing priorities.	10/3/2018 5:53 AM
324	Correct configuration of vms and hosts prior to opening performance related tickets.	10/3/2018 5:52 AM
325	upgrade and migration issues	10/3/2018 5:52 AM
326	Easier Change Management processes	10/3/2018 5:51 AM
327	Things are pretty good here and I'm not looking for change	10/3/2018 5:50 AM
328	Taking actions without planning would be nice if disappeared.	10/3/2018 5:43 AM
329	cheaper easier systems to implement	10/3/2018 5:42 AM
330	An efficient set of hardware that need little to no support.	10/3/2018 5:41 AM
331	email outtages	10/3/2018 5:39 AM
332	Newer device performance and availability.	10/3/2018 5:39 AM
333	Slow PC software.	10/3/2018 5:37 AM
334	documentation and process trackers and flows	10/3/2018 5:32 AM
335	Migration of our SharePoint Farm to Azure.	10/3/2018 5:32 AM
336	Really none at this time.	10/3/2018 5:31 AM

337	On going maintenance.	10/3/2018 5:29 AM
338	Speed	10/3/2018 5:28 AM
339	No issues at present.	10/3/2018 5:26 AM
340	na	10/3/2018 5:26 AM
341	Memory cost	10/3/2018 5:25 AM
342	Less security issues, it's become so cumbersome to do my job I must have to enter a password 100 times a day for something.	10/3/2018 5:22 AM
343	I am the whole IT department, so any tools to make my day easier would be great.	10/3/2018 5:22 AM
344	legacy services	10/3/2018 5:21 AM
345	High speed storage	10/3/2018 5:19 AM
346	better ITIL processes	10/3/2018 5:19 AM
347	outdated applications	10/3/2018 5:18 AM
348	constant security patching	10/3/2018 5:14 AM
349	more robust infrastructure	10/3/2018 5:13 AM
350	Broken APIs	10/3/2018 5:12 AM
351	the silos of responsibilities	10/3/2018 5:12 AM
352	Better I/O Performance and Reliability	10/3/2018 5:11 AM
353	Better automation	10/3/2018 5:11 AM
354	business impacting performance issues especially with an unidentifiable root cause	10/3/2018 5:11 AM
355	Old storage system	10/3/2018 5:10 AM
356	Scalability issues that arise due to the ever changing landscape	10/3/2018 5:10 AM
357	n/a	10/3/2018 5:08 AM
358	Ability to obtain secure virtual servers quickly and easily	10/3/2018 5:08 AM
359	Unrealistic expectations	10/3/2018 5:06 AM
360	Current supported SAN's. Under warranty	10/3/2018 5:04 AM
361	Poor documentation resulting in too much time troubleshooting problems or doing application forensics to identify root causes.	10/3/2018 5:04 AM
362	User inputs limiting amount of good data	10/3/2018 5:02 AM
363	Knowledge gaps in staff for cloud technologies (Azure)	10/3/2018 5:01 AM
364	easier API integration across apps.	10/3/2018 5:01 AM
365	pace of change	10/3/2018 5:01 AM
366	The complexities underlying the simplification of systems and the OpEx costs that are out of control	10/3/2018 5:01 AM
367	Slow network and disk	10/3/2018 5:00 AM
368	automation	10/3/2018 4:59 AM
369	More resources.	10/3/2018 4:58 AM
370	SSL Certificate management	10/3/2018 4:57 AM
371	Less Expensive Updated Technology	10/3/2018 4:57 AM
372	Having a scalable storage solution that will easily plug into our environment.	10/3/2018 4:56 AM
373	helpcenter	10/3/2018 4:56 AM
374	IO Performance Issues Security Concerns	10/3/2018 4:55 AM
375	After hour calls for problems with SRVP connections dropping and thus losing production counts	10/3/2018 4:55 AM

376	no comment	10/3/2018 4:55 AM
377	Security limitations	10/3/2018 4:54 AM
378	Inconsistent performance of critical business applications.	10/3/2018 4:54 AM
379	None	10/3/2018 4:54 AM
380	people emailing me thinking I am in the IT operations side when if you actually took the time to read my Linked In and not just my title you could see it is a facilities job.	10/3/2018 4:53 AM
381	Disk Performance and Back Up Issues	10/3/2018 4:52 AM
382	Less in house development one off issues	10/3/2018 4:50 AM
383	Less IT problems overhead	10/2/2018 1:59 PM
384	Slowness!	10/1/2018 9:09 AM
385	Seamless updates	9/28/2018 5:35 AM
386	Constant push to change to the latest and greatest technologies. Some of it is great, but a lot is not vetted enough and can make things worse.	9/28/2018 5:24 AM
387	Have nothing to change.	9/27/2018 5:43 AM
388	Reporting	9/26/2018 10:51 AM
389	changing user requirements	9/26/2018 4:27 AM
390	Dependency on hardware	9/25/2018 8:33 PM
391	Give end user a view into their storage through some form of show back.	9/25/2018 7:14 PM
392	confidential	9/25/2018 4:50 PM
393	Storage performance	9/25/2018 1:27 PM
394	none at this time	9/25/2018 1:26 PM
395	Windows - log analytics of system logs to determine the real problem on a server.	9/25/2018 12:55 PM
396	reduction in overall memory issues and enhanced database (SQL) performance	9/25/2018 12:53 PM
397	Users :V	9/25/2018 12:51 PM
398	I/o delays	9/25/2018 12:35 PM
399	AWS	9/25/2018 12:02 PM
400	daily operations issues	9/25/2018 12:02 PM
401	Data quality issue.	9/25/2018 11:50 AM
402	Stability with ease in reliability and scalability	9/25/2018 11:14 AM
403	100% performance (mostly high latency) related problems with serialized legacy applications.	9/25/2018 11:06 AM
404	Spam email	9/25/2018 10:51 AM
405	identifying under-performing / bottleneck hardware.	9/25/2018 10:43 AM
406	budget	9/25/2018 10:32 AM
407	work	9/25/2018 10:25 AM
408	sorry, It would be company politics	9/25/2018 10:08 AM
409	App performance issues and planning for bursts	9/25/2018 9:45 AM
410	Magic OS upgrade wand	9/25/2018 9:40 AM
411	Ldap and storage	9/25/2018 9:23 AM
412	Server Services that never need a restart	9/25/2018 9:12 AM
413	old crumbling infrastructure	9/25/2018 9:03 AM
414	I wish I wasn't bombarded by auto-generated marketing tools from business development people	9/25/2018 8:55 AM

415	N/A	9/25/2018 8:50 AM
416	Network Reliability	9/25/2018 8:40 AM
417	speed, large bandwidth	9/25/2018 8:32 AM
418	Security and threats.	9/25/2018 8:30 AM
419	Operations Help desk	9/25/2018 8:29 AM
420	storage management	9/25/2018 8:26 AM
421	Legacy technology	9/25/2018 8:23 AM
422	network issues and software upgrade problems	9/25/2018 8:19 AM
423	Streamlining procurement.	9/25/2018 8:19 AM
424	Spend less time in maintaining systems and handling outages. Spend more time in innovating technology and process to increase operational efficiencies.	9/25/2018 8:17 AM
425	I wish that ServiceNow would load faster.	9/25/2018 8:12 AM
426	Hardware management	9/25/2018 8:11 AM
427	intelligent dashboard and alerting tools would simplify and shorten break/fix events	9/25/2018 8:10 AM
428	Elasticity within limited budgets	9/25/2018 8:06 AM
429	reliability is the most effective tool in IT.	9/25/2018 8:05 AM
430	Governance Tools	9/25/2018 7:56 AM
431	.	9/25/2018 7:54 AM
432	VDI latency	9/25/2018 7:52 AM
433	Improved network and storage speeds	9/25/2018 7:51 AM
434	inability of apps to manage and handle downtime for service/patching/maintenance	9/25/2018 7:50 AM
435	User error, system crashes, bottle necks, performance	9/25/2018 7:39 AM
436	Better programming of applications.	9/25/2018 7:35 AM
437	That is not a simple answer.	9/25/2018 7:29 AM
438	Not sure	9/25/2018 7:23 AM
439	Better connections for network. Faster Speeds.	9/25/2018 7:20 AM
440	I would have to go with shadow support.	9/25/2018 7:17 AM
441	security "false positive" tests, network latency, constant patching especially on 3p libraries	9/25/2018 7:12 AM
442	Eliminate legacy os	9/25/2018 7:08 AM
443	network (in some office locations) and workstation performance due to under-powered hardware.	9/25/2018 7:06 AM
444	Windows server updates that require a reboot.	9/25/2018 7:02 AM
445	Network latency	9/25/2018 6:59 AM
446	Performance issues	9/25/2018 6:57 AM
447	Scalable architecture	9/25/2018 6:53 AM
448	budget constraints	9/25/2018 6:51 AM
449	SQL Server Virtualization and IO issues between VMWare and the SAN	9/25/2018 6:51 AM
450	incompatabilities	9/25/2018 6:47 AM
451	Overhead in related cost for equipment and infrastructure. Too many tools that do the same thing, consolidation would be nice	9/25/2018 6:39 AM
452	n/a	9/25/2018 6:35 AM
453	Legacy software with zero support, email as a storage solution, too many devices to manage.	9/25/2018 6:32 AM

454	Systems would perform better and the applications would be modernized.	9/25/2018 6:25 AM
455	We are experiencing no problems at this time.	9/25/2018 6:20 AM
456	Performance	9/25/2018 6:19 AM
457	Supporting legacy AIX - much more difficult than Windows/LINUX	9/25/2018 6:15 AM
458	Bottlenecks	9/25/2018 6:14 AM
459	Over provision of resources.	9/25/2018 6:14 AM
460	Sr.Database Engineer	9/25/2018 6:11 AM
461	Accurate VMHost/VM utilization.	9/25/2018 6:11 AM
462	Better Phishing detection. APT Threat detection.	9/25/2018 6:09 AM
463	Determining when the server is slow vs. the network.	9/25/2018 6:08 AM
464	Something stable and without latency and very dependable	9/25/2018 6:01 AM
465	N/A	9/25/2018 6:01 AM
466	Issues with scalability and performance monitoring	9/25/2018 5:58 AM
467	DR Unmanaged systems Physical obsolete HW	9/25/2018 5:57 AM
468	SAP	9/25/2018 5:56 AM
469	Offloading the day to day issues helpdesk tickets	9/25/2018 5:53 AM
470	Storage device crash	9/25/2018 5:52 AM
471	load balancing.	9/25/2018 5:49 AM
472	N/A	9/25/2018 5:48 AM
473	none at this time other than communication	9/25/2018 5:46 AM
474	security concerns, they're a huge cost in our industry.	9/25/2018 5:43 AM
475	Just that the system would run smoothly.	9/24/2018 4:20 AM
476	No.	9/19/2018 12:34 PM
477	ability to recover from a disaster	9/6/2018 6:55 AM
478	security concerns	9/6/2018 4:51 AM
479	Purchase Orders	9/5/2018 10:26 PM
480	Lifecycle upgrades, cloud SLA negotiations	9/5/2018 3:25 PM
481	Securing the environment, yet keeping things easier to manage	9/5/2018 9:57 AM
482	The business not treating as a full partner	9/5/2018 7:32 AM
483	latency	9/5/2018 7:11 AM
484	better training for end users	9/5/2018 6:57 AM
485	our WAN needs improvements.	9/5/2018 6:54 AM
486	faster application speeds	9/5/2018 6:36 AM
487	Datex	9/5/2018 6:30 AM
488	azure stability	9/5/2018 6:23 AM
489	Network slow down	9/5/2018 6:16 AM
490	n/a	9/5/2018 6:05 AM
491	storage capacity	9/5/2018 5:50 AM
492	Number of vendors and products supported in the environment.	9/5/2018 5:48 AM
493	storage bottleneck	9/5/2018 5:44 AM
494	Managing apps consistently up	9/5/2018 5:38 AM

495	Lack of funding	9/5/2018 5:20 AM
496	Server "lockups" in which the VMs are not responsive, and yet the monitoring systems do not see this condition. Also, better, more robust scalable systems allowing more use of the Budgetary dollars	9/5/2018 5:18 AM
497	The notion that storage is cheap is contrary to the reality of things, where we face data virtualization challenges when data stores are disparate, and data replication/transport issues when we wish not to keep the data in place. A sound data virtualization and transport/replication platform, preferably a COTS variety, is desirable.	9/5/2018 4:57 AM
498	standardization	9/5/2018 4:57 AM
499	LOB Application bugs and third party hardware compatibility issues with that app	9/5/2018 4:45 AM
500	deployment traceability	9/5/2018 4:43 AM
501	gfgfg	9/5/2018 4:43 AM
502	CPU performance issues	9/5/2018 4:43 AM
503	--	9/5/2018 4:42 AM
504	Keep skills current	9/4/2018 8:12 AM
505	Backups and storage management	9/4/2018 7:13 AM
506	Just easier accessibility to cloud based systems.	8/29/2018 5:22 PM
507	More database conversion options and tools since we are a full network and we are constantly trying to integrate	8/29/2018 8:16 AM
508	Disruption in service, resources and network	8/29/2018 7:03 AM
509	speed and reliability	8/29/2018 4:22 AM
510	Automation of repeatable tasks.	8/29/2018 4:01 AM
511	Sharepoint admin	8/28/2018 12:46 PM
512	Less alerts.	8/28/2018 9:08 AM
513	Patch management and security remediation.	8/28/2018 7:42 AM
514	Running out of space.	8/28/2018 6:49 AM
515	With the upgrades, I would have to wait and see	8/28/2018 6:32 AM
516	DR, Scalability and Failover	8/28/2018 6:32 AM
517	videoconferencing	8/28/2018 6:28 AM
518	I wish it was easier to get physical hardware purchases approved.	8/28/2018 6:17 AM
519	speed in implementation	8/28/2018 6:13 AM
520	Troubleshooting multiple systems and manufacturers.	8/28/2018 6:09 AM
521	.	8/28/2018 6:02 AM
522	End-user error from lack of reading what's on the screen	8/28/2018 5:43 AM
523	Poorly written and poorly documented software	8/28/2018 5:25 AM
524	Decreased time to get compute power	8/28/2018 5:22 AM
525	None..	8/28/2018 5:03 AM
526	hardware failure vendor replacement processing.	8/28/2018 5:02 AM
527	cost	8/28/2018 5:02 AM
528	N/a	8/28/2018 5:00 AM
529	Red tape	8/28/2018 4:58 AM
530	After hours support.	8/28/2018 4:55 AM

531	Performance issues that we can't pin down as being hardware related. We get more issues with the software itself or it's configuration.	8/28/2018 4:54 AM
532	Replace old Storage with new flash	8/28/2018 4:49 AM
533	Lack of understanding by legacy IT staff or non-infrastructure knowledgeable teammates	8/23/2018 12:39 PM
534	COst	8/22/2018 8:04 PM
535	unsupported products	8/22/2018 12:21 PM
536	Application Performance	8/22/2018 12:16 PM
537	Improving security within the development workflow	8/22/2018 9:54 AM
538	Run entry preparedness, IO performance, security issues, patching deployments.	8/22/2018 6:36 AM
539	no	8/22/2018 4:47 AM
540	Patch Management	8/22/2018 3:49 AM
541	Increasing operating costs	8/21/2018 12:46 PM
542	Money concerns	8/21/2018 12:26 PM
543	security software	8/21/2018 12:22 PM
544	record keeping	8/21/2018 11:54 AM
545	Sharepoint	8/21/2018 11:48 AM
546	Physical on-prem infrastructure. Moving to cloud will mitigate this.	8/21/2018 11:44 AM
547	Resource issues	8/21/2018 11:04 AM
548	Scalability of workloads either performance related or capacity	8/21/2018 10:49 AM
549	reliability of systems	8/21/2018 10:41 AM
550	Yes	8/21/2018 10:08 AM
551	Updates reliability	8/21/2018 10:00 AM
552	Manual data key changes on source system for data analytics	8/21/2018 9:58 AM
553	IO performance	8/21/2018 9:51 AM
554	Knowing when data Patterens are going to change.	8/21/2018 9:46 AM
555	Network capacity, business continuity	8/21/2018 9:42 AM
556	easier budget access	8/21/2018 9:25 AM
557	ease of use.	8/21/2018 9:23 AM
558	proper training for users	8/21/2018 9:14 AM
559	Coding issues that affect performance.	8/21/2018 9:11 AM
560	any downtime	8/21/2018 9:08 AM
561	Phishing attempts	8/21/2018 9:05 AM
562	Management	8/21/2018 9:03 AM
563	Application issues	8/21/2018 9:02 AM
564	sluggish performance	8/21/2018 8:59 AM
565	Storage Limitations (Data is constantly growing)	8/21/2018 8:48 AM
566	Better project management	8/21/2018 8:32 AM
567	Proactive vs Reactive assesments	8/21/2018 8:20 AM
568	java, java, java.	8/21/2018 7:33 AM
569	Enable more self service in the environment.	8/21/2018 7:29 AM
570	Physical hardware failures	8/21/2018 7:24 AM

571	None	8/21/2018 7:16 AM
572	Updates/upgrades	8/21/2018 7:11 AM
573	cross application permission schemes. (microsoft damn you and active directory)	8/21/2018 6:42 AM
574	Communication between business and IT. Requirements definition and BU commitment.	8/15/2018 9:45 AM
575	Yes	8/14/2018 7:04 PM
576	Disaster recovery	8/13/2018 12:28 PM
577	Errors	8/13/2018 6:10 AM
578	Horrible property management systems	8/13/2018 5:38 AM
579	No more dead nodes	8/13/2018 5:15 AM
580	False alert reporting of system availability	8/10/2018 7:40 PM
581	wish I had control over which systems to purchase	8/10/2018 2:53 PM
582	LOL. Solution stability	8/10/2018 12:34 PM
583	Adoption and learning of the technologies so that people have a better understanding of what they use and how it works and how various changes can impact them and others	8/10/2018 9:02 AM
584	Poor communication	8/9/2018 6:55 PM
585	Tape backup management	8/9/2018 6:16 PM
586	None	8/9/2018 2:26 PM
587	costs	8/9/2018 1:08 PM
588	Memory issues with applications on the server side	8/9/2018 12:06 PM
589	I wish all hackers and Internet crooks would be burned alive and that there was a multi-million dollar international bounty on catching them.	8/9/2018 11:23 AM
590	budget constraints	8/9/2018 10:52 AM
591	less e-marketing	8/9/2018 10:26 AM
592	Maintenance free	8/9/2018 10:24 AM
593	Application performance issues	8/9/2018 10:15 AM
594	Backups	8/9/2018 10:07 AM
595	Cloud computing	8/9/2018 9:58 AM
596	unpredictable cost of cloud storage scaling and lack of transparency to DR and InfoSec for that technology.	8/9/2018 9:35 AM
597	Software errors.	8/9/2018 9:26 AM
598	Servers crashing, not finding correct documentation..	8/9/2018 9:19 AM
599	WAN Bandwidth management, Network outages, Ability to manage network performance	8/9/2018 8:54 AM
600	Increase reliability of disks and throughput speed.	8/9/2018 8:47 AM
601	Higher funding allocation and resources.	8/9/2018 8:46 AM
602	Reduction of power draw within my data centers	8/9/2018 8:39 AM
603	Managing infrastructure	8/9/2018 8:25 AM
604	improved funding	8/9/2018 8:22 AM
605	Service Provider	8/9/2018 8:21 AM
606	I/O	8/9/2018 7:43 AM
607	ok, that is the best one yet (staff and boss). to me, better visibility into my on site systems so you do truly know what is going on. this would let me better plan my goals and budget. IT is the job of chancing bottlenecks, so if you fix one, you get the next and then the next. being to plan out your moves and the impacts is key	8/9/2018 7:40 AM

608	Database instance sprawl and compatibility issues	8/9/2018 7:22 AM
609	Nothing	8/9/2018 6:52 AM
610	Increasing complexity all the time.	8/9/2018 6:41 AM
611	Subscriptions	8/9/2018 6:37 AM
612	The frequency of patching and upgrading to remain security compliant.	8/9/2018 6:35 AM
613	Replication delays/queues	8/9/2018 6:32 AM
614	instant knowledge/training	8/9/2018 6:16 AM
615	Managing to security regulations and compliance rules.	8/9/2018 6:02 AM
616	Tasks that aren't really my responsibility.	8/9/2018 6:01 AM
617	unplanned changes	8/9/2018 5:56 AM
618	None... We do what we do...	8/9/2018 5:51 AM
619	performance issues	8/9/2018 5:50 AM
620	budgets	8/9/2018 5:50 AM
621	Less unplanned downtimes	8/9/2018 5:47 AM
622	process	8/9/2018 5:47 AM
623	yes	8/9/2018 5:43 AM
624	I need more scheduled down time.	8/9/2018 5:42 AM
625	Change Management	8/9/2018 5:34 AM
626	increase in reliability and speed	8/9/2018 5:30 AM
627	Hardware failures	8/9/2018 5:27 AM
628	users downloading junk that messes up their computers	8/9/2018 5:20 AM
629	preventing my domain controllers and IDM servers from being hammered by LDAP/authentication requests	8/9/2018 5:19 AM
630	We have a big problem with scale at the moment. Our converged solution didn't scale, neither does our backup solution.	8/9/2018 5:05 AM
631	prediction	8/9/2018 5:05 AM
632	na	8/9/2018 5:04 AM
633	N/A	8/9/2018 5:03 AM
634	manual processes	8/9/2018 4:58 AM
635	No comment	8/9/2018 4:57 AM
636	lightning	8/9/2018 4:56 AM
637	Customers who don't pay their bills. Requests for OS reloads.	8/9/2018 4:55 AM
638	Performance	8/9/2018 4:55 AM
639	most of my responsibilities lie in programming, which are probably not what you are looking for.	8/9/2018 4:52 AM
640	bureaucracy	8/9/2018 4:50 AM
641	Nothing at this time	8/9/2018 3:16 AM
642	Do more with less	8/9/2018 2:12 AM
643	More robust cloud options	8/8/2018 6:37 PM
644	Mostly access to proprietary information applications. Those are the worst.	8/8/2018 5:51 PM
645	storage, performance and DR	8/8/2018 3:16 PM
646	Reliability of internet provider in the system.	8/8/2018 2:45 PM

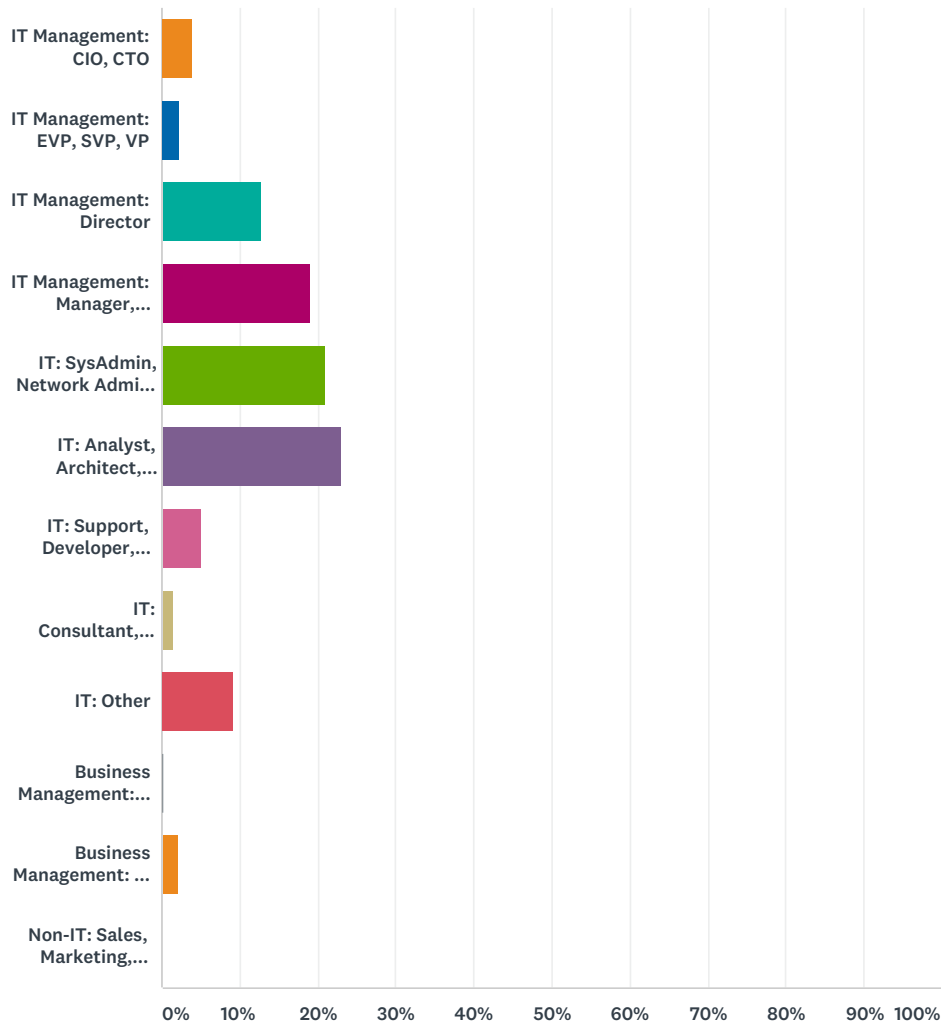
647	applying security controls may impact performanc and efficiency of systems.	8/8/2018 2:00 PM
648	Internet bandwidth, cost escalation of ERP and database platforms and other contracts	8/8/2018 12:21 PM
649	Cost of purchase	8/8/2018 11:25 AM
650	Data retrieval and capacity issues	8/8/2018 11:20 AM
651	Patching, Updates	8/8/2018 10:37 AM
652	Patches	8/8/2018 10:09 AM
653	Provisioning of new servers	8/8/2018 10:01 AM
654	marketing emails and phone calls from software vendors	8/8/2018 9:30 AM
655	Nothing	8/8/2018 9:25 AM
656	Getting good detail alert when an error occurs.	8/8/2018 9:15 AM
657	Proprietary adoptions of open standards.	8/8/2018 9:14 AM
658	Long term commitment and transparency from the hardware manufactures.	8/8/2018 9:13 AM
659	System sprawl i.e. a very large amount of disparate systems to support.	8/8/2018 9:10 AM
660	better monitoring capabilities	8/8/2018 8:37 AM
661	security and data privacy concerns of cloud computing	8/8/2018 8:36 AM
662	na	8/8/2018 8:35 AM
663	Malware	8/8/2018 8:32 AM
664	Need for continuous refresh on seemingly an annual basis	8/8/2018 8:30 AM
665	Geo-location and security requirements	8/8/2018 8:28 AM
666	N/A	8/8/2018 8:25 AM
667	backups	8/8/2018 8:03 AM
668	Move most of our processing to the cloud.	8/8/2018 7:38 AM
669	My issues are entirely database structure related.	8/8/2018 7:23 AM
670	Windows 10 update decisions by Microsoft (forced, take a long time, disruptive) Reluctance and difficulty of company to change	8/8/2018 7:08 AM
671	?	8/8/2018 6:59 AM
672	Network availability in remote geographic locations	8/8/2018 6:43 AM
673	performance issues	8/8/2018 6:33 AM
674	I wish our provisioning of services was automated, the automated processes were documented, and the by-product of all the automation was logged and retained.	8/8/2018 6:26 AM
675	Sharepoint online latency	8/8/2018 6:24 AM
676	system lags	8/8/2018 6:23 AM
677	n/a	8/8/2018 6:23 AM
678	Run operations and reliability	8/8/2018 6:22 AM
679	stale storage	8/8/2018 6:18 AM
680	Bloatware	8/8/2018 6:15 AM
681	ease of administration, security	8/8/2018 6:12 AM
682	Storage management	8/8/2018 6:07 AM
683	Poor development	8/8/2018 6:03 AM
684	security clearances	8/8/2018 6:01 AM

685	I find this to be a rather ridiculous question. I don't wish for any problems to "go away". I work quite hard to ensure that problems are either avoided through strategic planning or problems are effectively resolved to the benefit of my clients and customers.	8/8/2018 5:41 AM
686	speed and efficiency	8/8/2018 5:40 AM
687	User errors, and problem creation from it. Systems typically perform their jobs	8/8/2018 5:40 AM
688	Speed	8/8/2018 5:35 AM
689	Failing Virtual host hardware.	8/8/2018 5:32 AM
690	User backups. It's a pain having to set them up manually over several different offices.	8/8/2018 5:20 AM
691	Sluggish Performance Drops in Network Connectivity Sub-par Disaster Recovery/ Business Continuity Plan	8/8/2018 5:09 AM
692	If I can't choose boss or staff then "problem customers". Actually if I could get rid of multiple management interfaces especially flash or java based interfaces	8/8/2018 5:08 AM
693	budget constraints	8/8/2018 5:03 AM
694	Easier management of server, vm, and client performance.	8/8/2018 5:03 AM
695	Budget constraints	8/8/2018 5:02 AM
696	It would mainly be staff.	8/8/2018 5:00 AM
697	simply user processes	8/8/2018 4:59 AM
698	Firmware and security patches.	8/8/2018 4:58 AM
699	Project priorities and resources	8/8/2018 4:56 AM
700	I wish there was more support staff if we encounter a problem with our system.	8/8/2018 4:55 AM
701	We have a solid infrastructure	8/8/2018 4:55 AM
702	latency	8/8/2018 4:55 AM
703	Not sure.	8/8/2018 4:55 AM
704	Unsure	8/8/2018 4:53 AM
705	I wish the misconception that the Cloud is an answer to everyone's issues	8/8/2018 4:51 AM
706	Keeping up with security/compliance issues.	8/1/2018 2:43 PM
707	No	7/29/2018 7:43 PM
708	lack of money	7/27/2018 10:09 AM
709	applications asking for more resources then they will use	7/27/2018 6:34 AM
710	security issues	7/27/2018 2:53 AM
711	Cost	7/26/2018 1:35 PM
712	outdated infrastructures that cannot support 21-century technology	7/26/2018 12:50 PM
713	none	7/26/2018 11:52 AM
714	Speed to acquire SAN	7/26/2018 11:41 AM
715	budget challenges - never enough money and a lack of understanding within the organization that solutions cost money.	7/26/2018 11:29 AM
716	Data Center access too far.	7/26/2018 10:35 AM
717	Application dependencies, MySQL performance	7/26/2018 10:25 AM
718	Simple orchestration of multiple systems into a logical consumable system	7/26/2018 9:56 AM
719	Inefficient data management architecture and infrastructure, federal government cloud usage security requirements/restrictions.	7/26/2018 9:20 AM
720	nothing	7/26/2018 9:18 AM
721	None	7/26/2018 9:10 AM

722	Updates and upgrades	7/26/2018 8:39 AM
723	Overhead of managing traditional multiple tiers of dissimilar infrastructure hardware.	7/26/2018 8:34 AM
724	Not an IT support person, but a user that works with them to achieve the optimum environment we need. That being said, our joint focus is on stability, so any issues that arise from working in AWS (reliable connectivity, optimization, choosing the right environment for the job) is critical. Not that we wish it would go away, it's our job to deal with it, we just wish those functions to be as uncomplicated and practical as possible.	7/26/2018 8:34 AM
725	upgrade our dealer Management System	7/26/2018 8:02 AM
726	Backup issues	7/26/2018 7:06 AM
727	Lack of a budget	7/26/2018 6:54 AM
728	None	7/26/2018 6:52 AM
729	Nothing I can think of off the top of my head	7/26/2018 6:49 AM
730	backups and better management	7/26/2018 6:47 AM
731	Printers	7/26/2018 6:42 AM
732	N/A	7/26/2018 6:35 AM
733	Busy work. Manual work. Support staff inefficiencies.	7/26/2018 6:28 AM
734	System failing over incorrectly when there are internet issues.	7/26/2018 6:02 AM
735	Logging - I would rather write code and have it self log so I don't have to spend so much time maintaining. CI/CD for the database. I need an easy and cheap solution while still maintaining state across large databases.	7/26/2018 5:55 AM
736	Server and OS migrations.	7/26/2018 5:29 AM
737	Checking backups	7/26/2018 5:23 AM

Q26 Please select which best represents your job function / title:

Answered: 906 Skipped: 0



ANSWER CHOICES	RESPONSES	
IT Management: CIO, CTO	3.97%	36
IT Management: EVP, SVP, VP	2.32%	21
IT Management: Director	12.80%	116
IT Management: Manager, Supervisor	19.09%	173
IT: SysAdmin, Network Admin, DBA	20.86%	189
IT: Analyst, Architect, Engineer	23.07%	209
IT: Support, Developer, Programmer	4.97%	45
IT: Consultant, VAR, Solution Provider	1.55%	14

IT: Other	9.16%	83
Business Management: CEO, COO, Chairman, President	0.11%	1
Business Management: VP, Director, Manager	2.10%	19
Non-IT: Sales, Marketing, Business Dev, Educator, HR, Finance	0.00%	0
TOTAL		906

9 V-LOCITY CUSTOMERS RESULTS REVEALED

Results from 9 customers who deployed V-locity® I/O reduction software to solve their I/O blender effect problems.



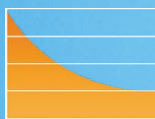
**\$2
Million**

Christus Health – A \$2,000,000 P.O. for new storage hardware was cancelled after V-locity solved sluggish electronic medical records performance.

145%

Suncoke Energy –

145% reduction in I/O for greater throughput on Oracle workloads.



3x

Hancock Regional Hospital – Patient records load 3X faster – no additional hardware required.



**15
Hours**

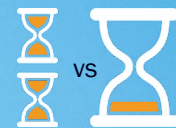
ASL Marketing – SQL batch imports dropped from 27 hours to 12 hours – a 15-hour reduction.

\$0

money spent by V-locity customers on new hardware to get 50-300% better application performance.

1/5th

Myron Corporation – Processing times for larger art files on the file server dropped from 5 minutes to 1 minute.

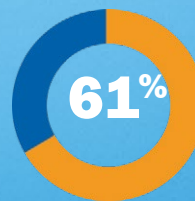


**10
Minutes**

Stockport College – Payroll reports that used to take 1½ hours to run, now take 10 minutes.

90%

Creative Office Pavilion – Response times for SQL, CRM and email are 90% faster.



Bell Mobility – V-locity reduces I/O to SAN by 61% for 3X faster SQL report queries.

1 Day

Altenloh, Brinck & Co. U.S. – V-locity saved a full day of productivity by moving orders through the ERP system.



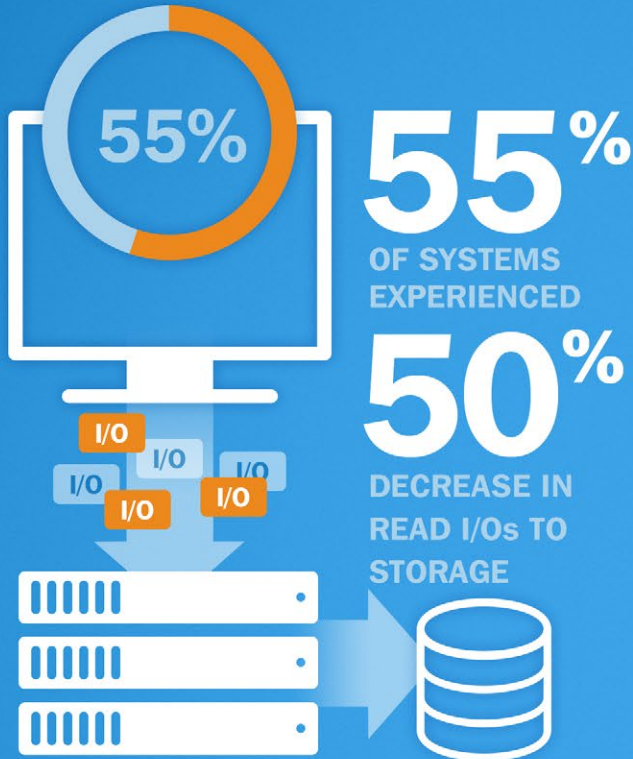
For more on V-locity and to read the full customer stories visit: www.condusiv.com/v-locity

Condusiv
Technologies

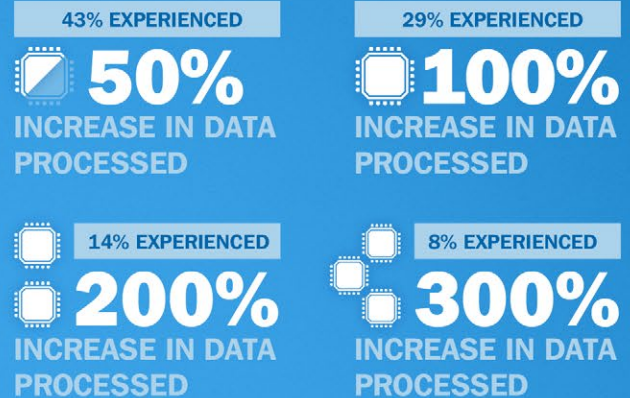
3450 VMs EVALUATE V-LOCITY

Unfiltered results from **3450 VMs** from over 100 customers who evaluated **V-locity I/O reduction software** and shared their before/after results with Conduktiv.

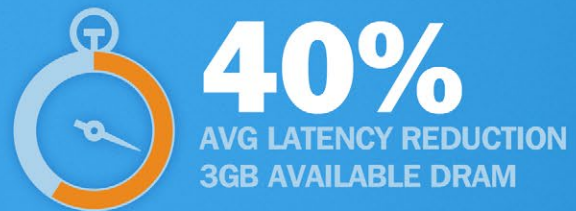
Read I/O Reduction



Throughput Increase



Latency Reduction



Write I/O Reduction



IOPS Increase



For more on V-locity and customer stories visit:
www.conduktiv.com/v-locity

Conduktiv
Technologies