Portworx Annual Container Adoption Survey 2017

Thursday, April 06, 2017

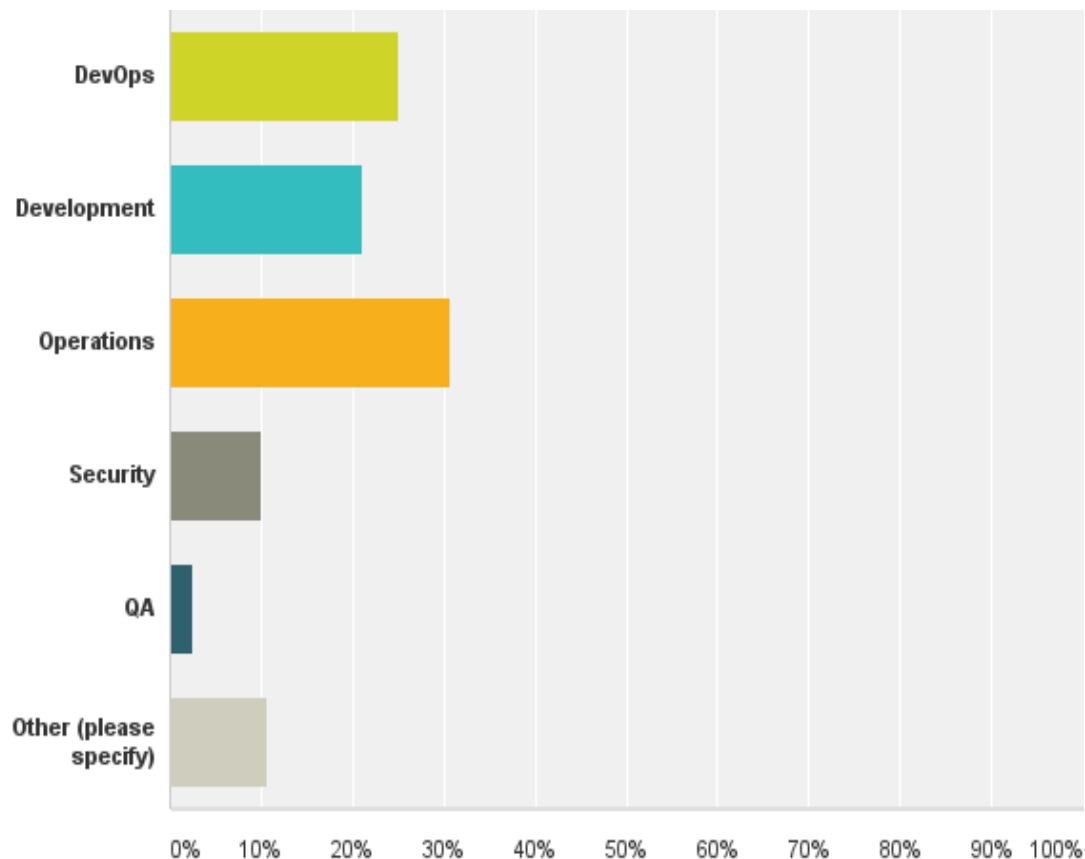# 491

Total Responses

Date Created: Tuesday, March 14, 2017

Complete Responses: 401

Q1: Which of the following best describes your primary role? (Choose one.)
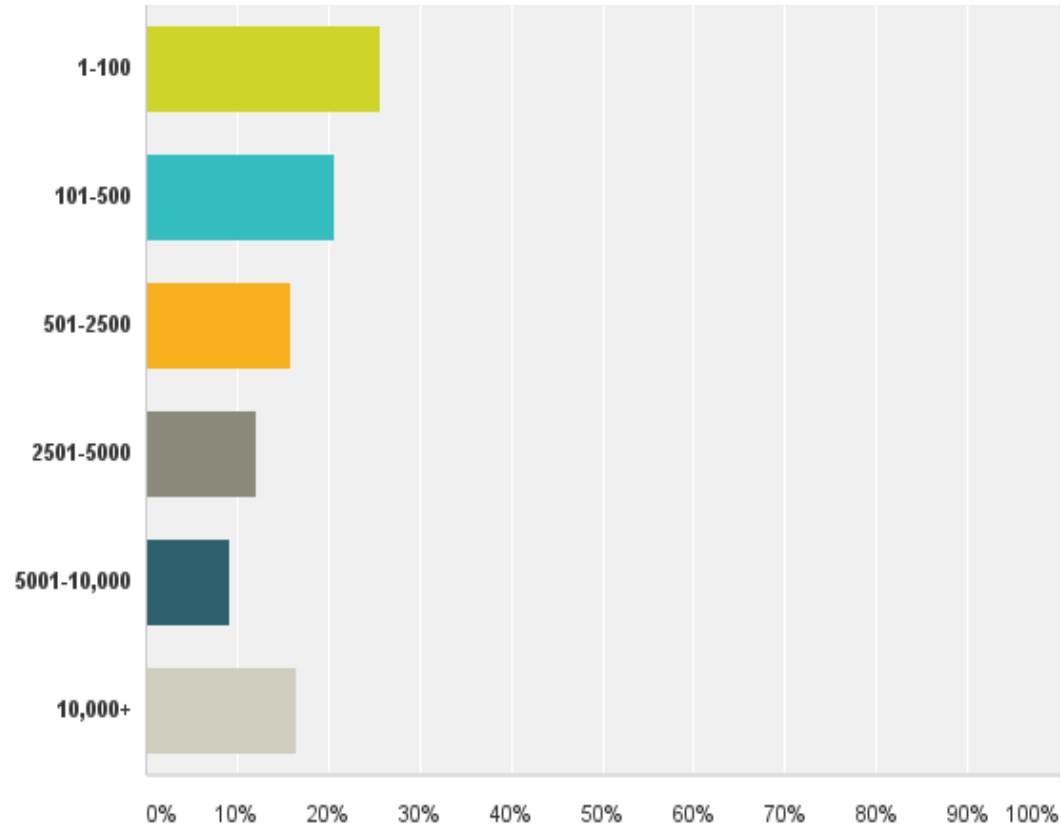
Answered: 491   Skipped: 0

Q1: Which of the following best describes your primary role? (Choose one.)

Answered: 491   Skipped: 0

Answer Choices	Responses	
DevOps	25.05%	123
Development	21.18%	104
Operations	30.75%	151
Security	9.98%	49
QA	2.44%	12
Other (please specify)	10.59%	52
Total		**491**

# Q2: How many employees are in your organization? (Choose one.)

Answered: 484   Skipped: 7

Q2: How many employees are in your organization? (Choose one.)

Answered: 484   Skipped: 7

Answer Choices	Responses	
1-100	25.62%	124
101-500	20.66%	100
501-2500	15.91%	77
2501-5000	12.19%	59
5001-10,000	9.09%	44
10,000+	16.53%	80
Total		484

Q3: In which industry is your organization? (Choose one.)

Answered: 477   Skipped: 14
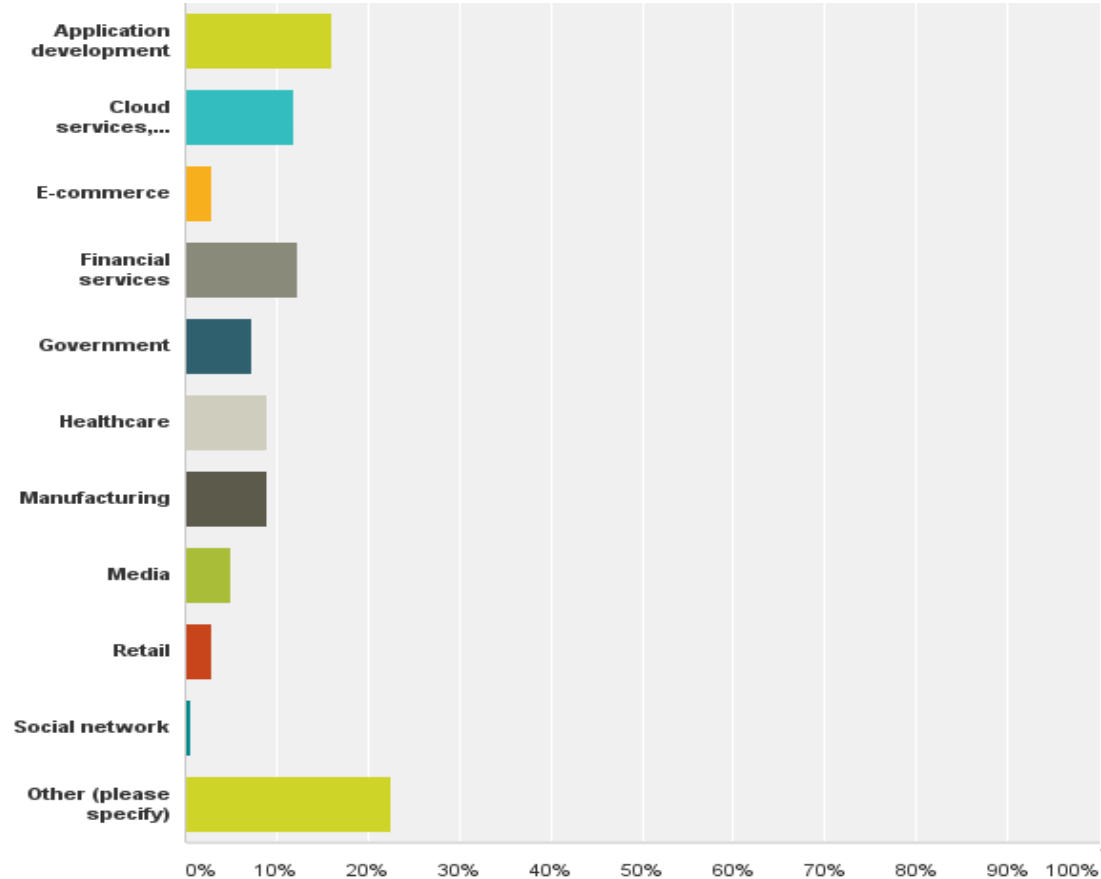
Q3: In which industry is your organization? (Choose one.)

Answered: 477   Skipped: 14

Answer Choices	Responses	
Application development	**16.14%**	77
Cloud services, infrastructure provider	**11.95%**	57
E-commerce	**2.94%**	14
Financial services	**12.37%**	59
Government	**7.34%**	35
Healthcare	**9.01%**	43
Manufacturing	**9.01%**	43
Media	**5.03%**	24
Retail	**2.94%**	14
Social network	**0.63%**	3
Other (please specify)	**22.64%**	108
Total		**477**

Q4: Does your organization run container technologies?

Answered: 471   Skipped: 20
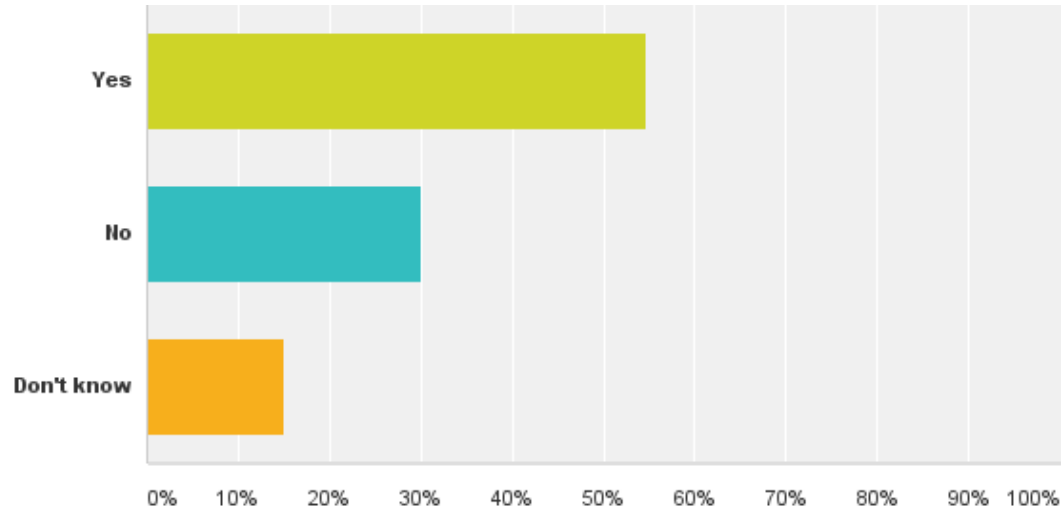
Q4: Does your organization run container technologies?

Answered: 471   Skipped: 20

Answer Choices	Responses	
Yes	**54.78%**	258
No	**30.15%**	142
Don't know	**15.07%**	71
Total		**471**

Q5: What percentage of your apps are running in containers?

Answered: 257   Skipped: 234
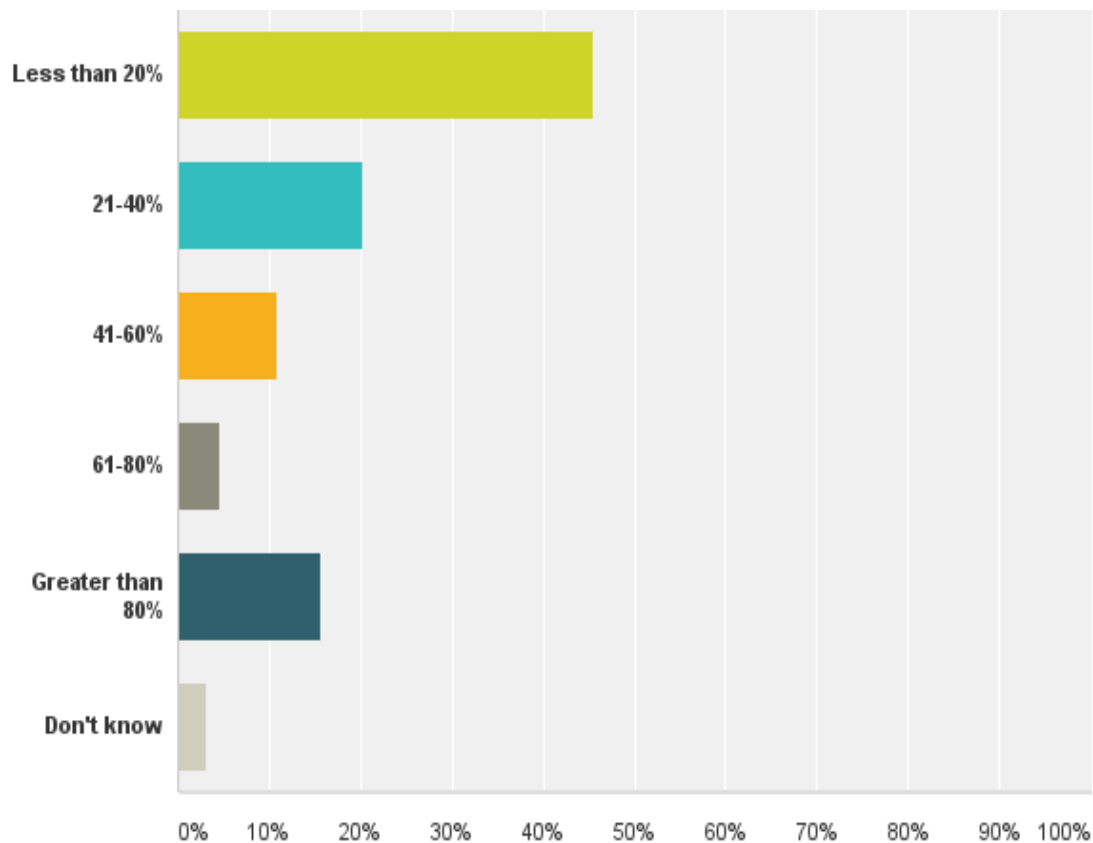
Q5: What percentage of your apps are running in containers?

Answered: 257   Skipped: 234

Answer Choices	Responses	
Less than 20%	45.53%	117
21-40%	20.23%	52
41-60%	10.89%	28
61-80%	4.67%	12
Greater than 80%	15.56%	40
Don't know	3.11%	8
Total		**257**

Q6: In which of these non-production environments is your organization running containers? (Choose all that apply.)
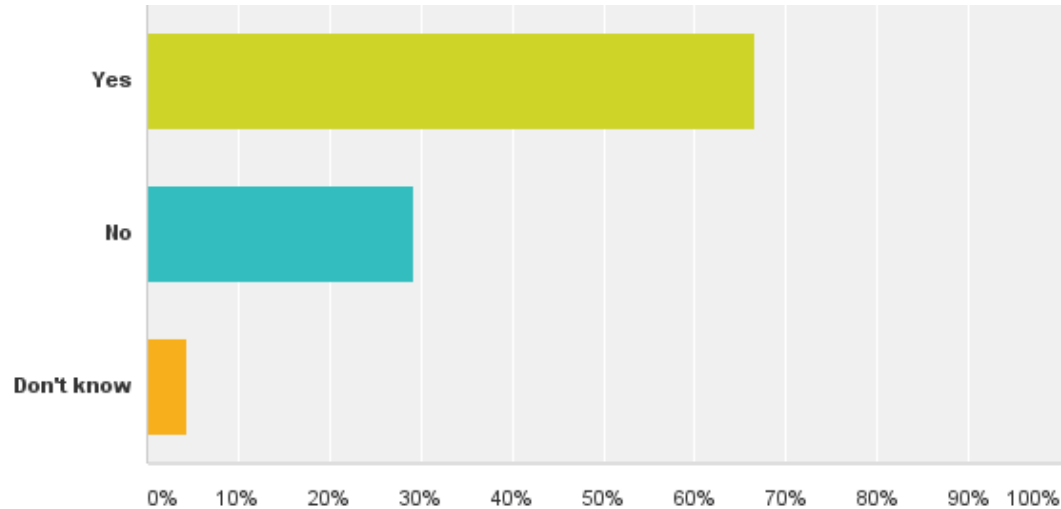
Answered: 253   Skipped: 238
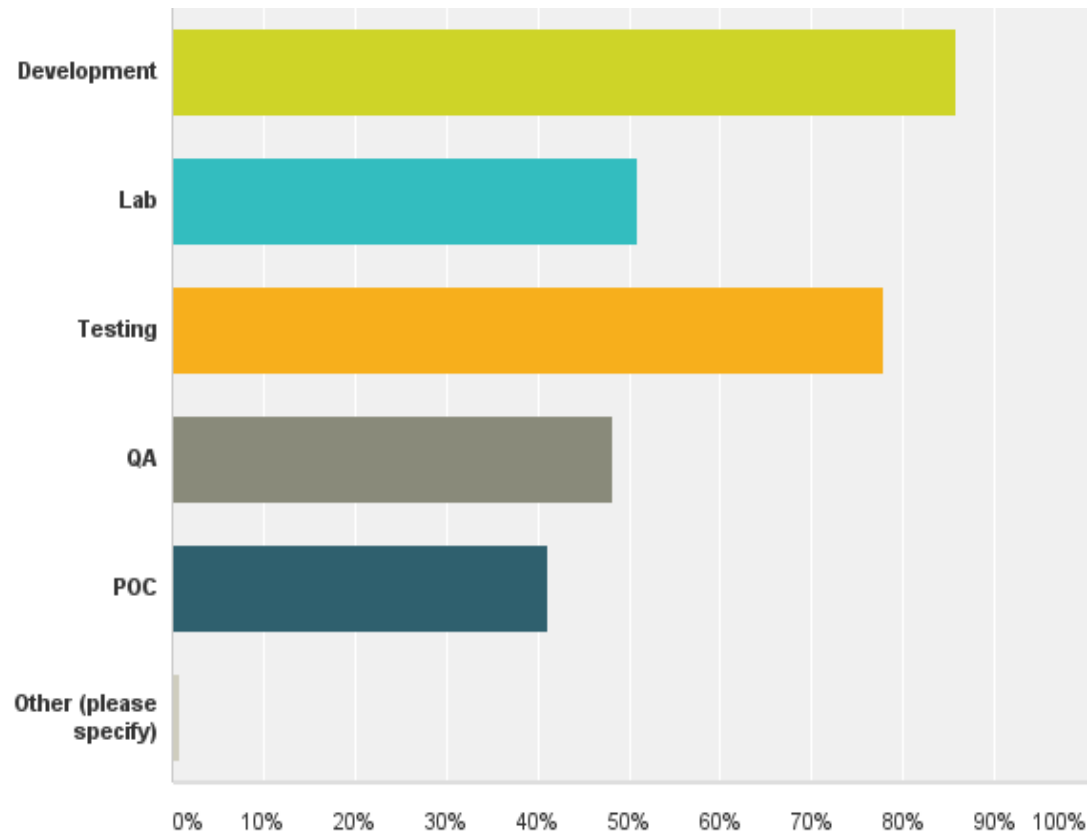
Q6: In which of these non-production environments is your organization running containers? (Choose all that apply.)

Answered: 253   Skipped: 238

Answer Choices	Responses	
Development	85.77%	217
Lab	50.99%	129
Testing	77.87%	197
QA	48.22%	122
POC	41.11%	104
Other (please specify)	0.79%	2
Total Respondents: 253		

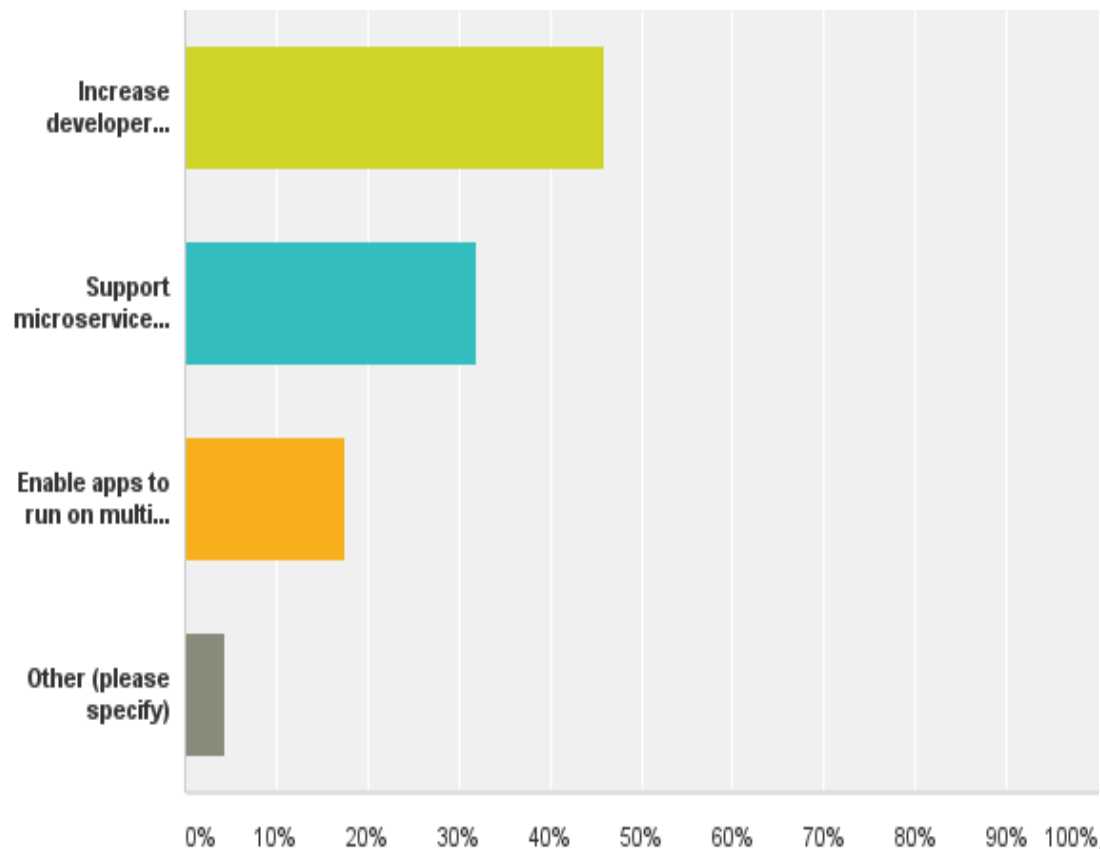# Q7: Is your organization running container technologies in production?

Answered: 254   Skipped: 237

Q7: Is your organization running container technologies in production?

Answered: 254   Skipped: 237

Answer Choices	Responses	
Yes	66.54%	169
No	29.13%	74
Don't know	4.33%	11
Total		254

Q8: What is the primary reason why your organization is running container technologies? (Choose one.)

Q8: What is the primary reason why your organization is running container technologies? (Choose one.)

Answered: 250   Skipped: 241

Answer Choices	Responses	
Increase developer efficiency	**46.00%**	115
Support microservices architectures	**32.00%**	80
Enable apps to run on multiple cloud platforms (avoid lock in)	**17.60%**	44
Other (please specify)	**4.40%**	11
Total		**250**

Q9: On which operating system(s) does your organization run container technologies? (Choose all that apply.)
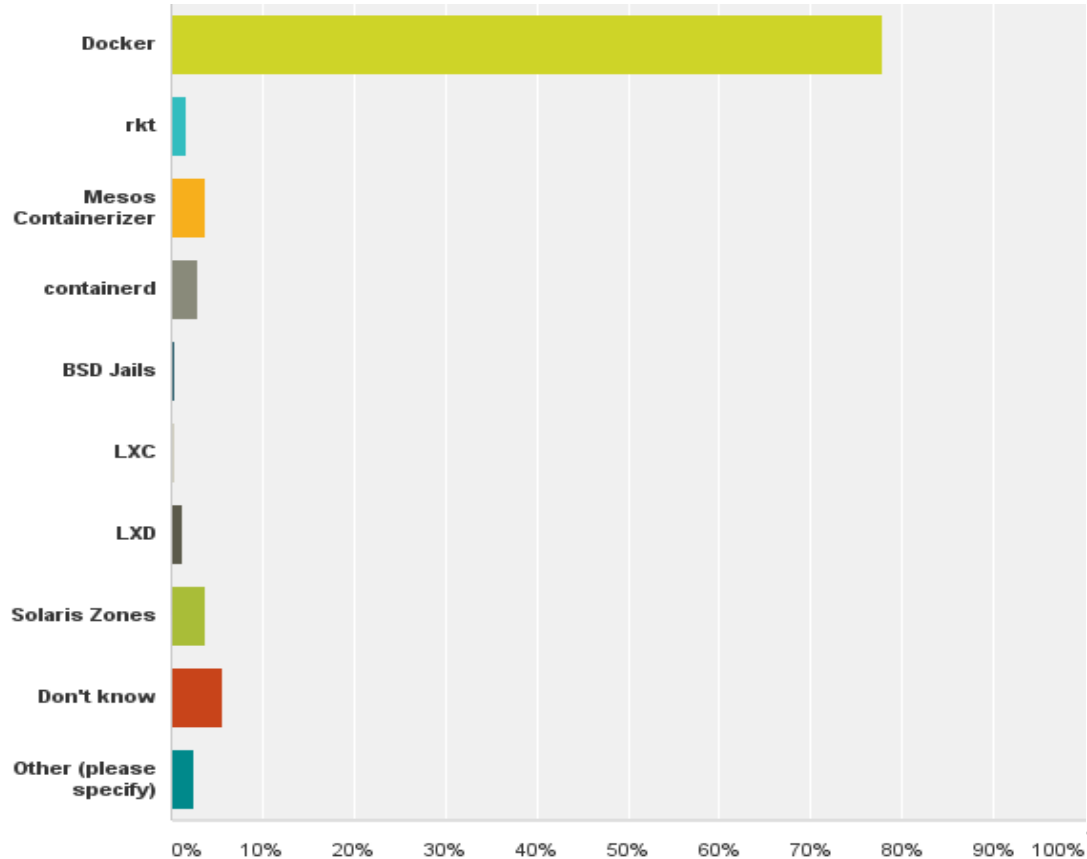
Answered: 247   Skipped: 244
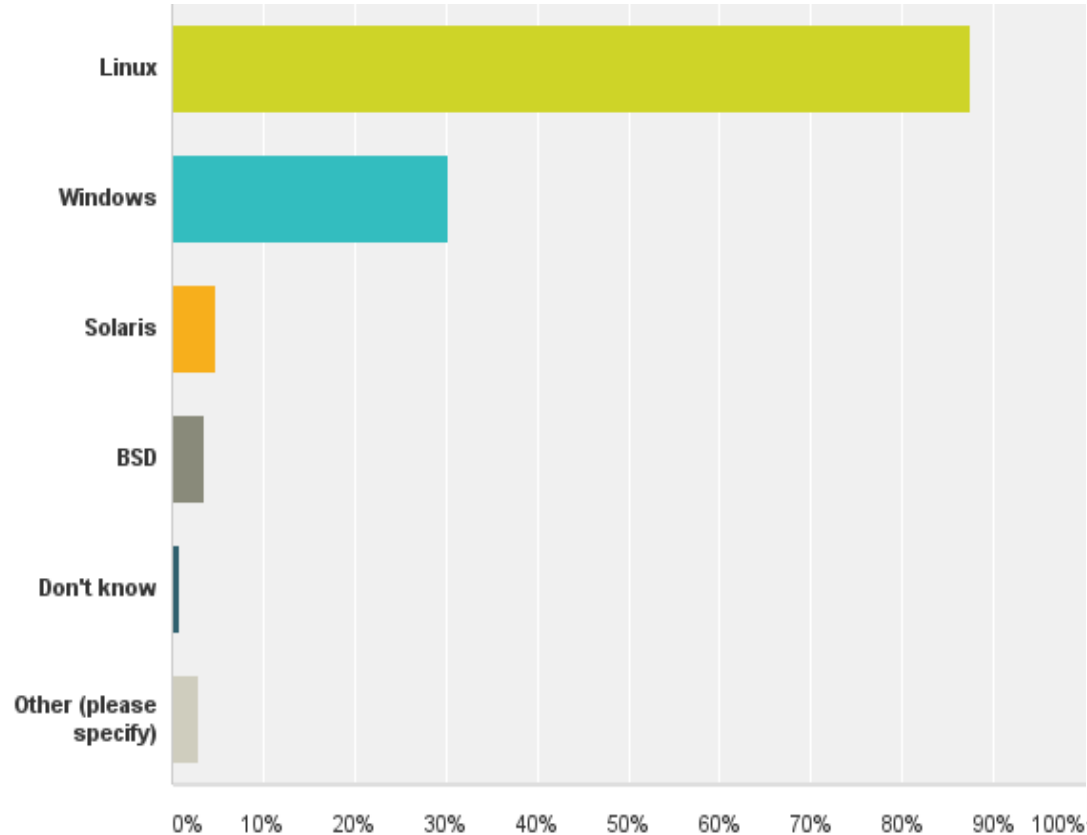
Q9: On which operating system(s) does your organization run container technologies? (Choose all that apply.)

Answered: 247   Skipped: 244

Answer Choices	Responses	
Linux	**87.45%**	216
Windows	**30.36%**	75
Solaris	**4.86%**	12
BSD	**3.64%**	9
Don't know	**0.81%**	2
Other (please specify)	**2.83%**	7
Total Respondents: 247		

Q10: Which container technology does your organization run most frequently? (Choose one.)
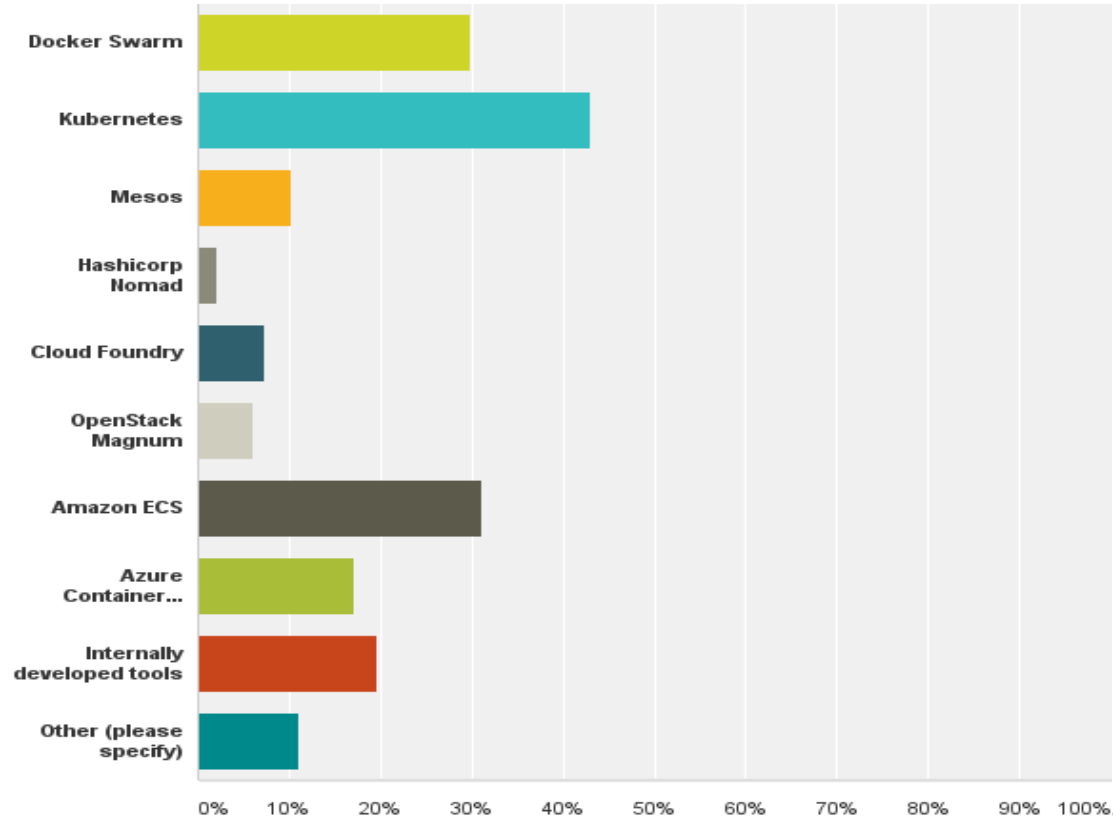
Answered: 245   Skipped: 246

Q10: Which container technology does your organization run most frequently? (Choose one.)

Answered: 245   Skipped: 246

Answer Choices	Responses	
Docker	77.96%	191
rkt	1.63%	4
Mesos Containerizer	3.67%	9
containerd	2.86%	7
BSD Jails	0.41%	1
LXC	0.41%	1
LXD	1.22%	3
Solaris Zones	3.67%	9
Don't know	5.71%	14
Other (please specify)	2.45%	6
Total		**245**

Q11: Which container orchestration tools do your organization use? (Choose all that apply.)
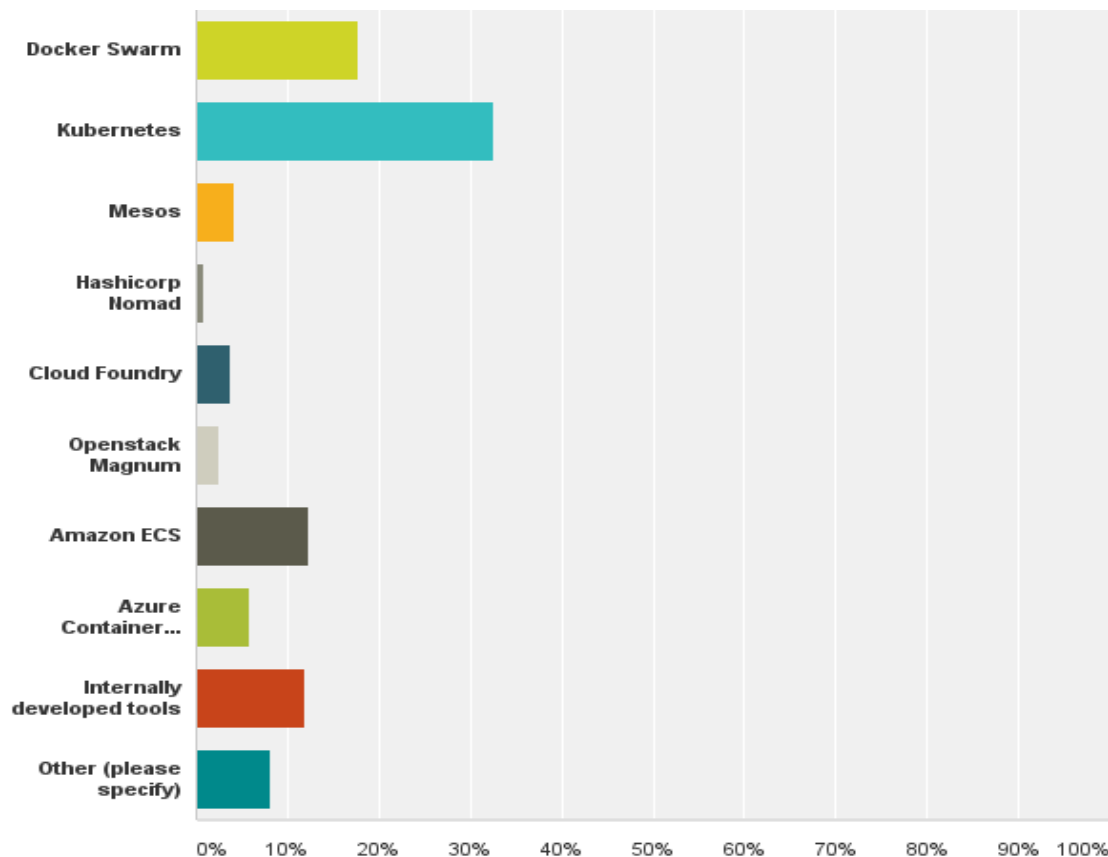
Answered: 235   Skipped: 256

Q11: Which container orchestration tools do your organization use? (Choose all that apply.)

Answered: 235   Skipped: 256

Answer Choices	Responses	
Docker Swarm	29.79%	70
Kubernetes	42.98%	101
Mesos	10.21%	24
Hashicorp Nomad	2.13%	5
Cloud Foundry	7.23%	17
OpenStack Magnum	5.96%	14
Amazon ECS	31.06%	73
Azure Container Service	17.02%	40
Internally developed tools	19.57%	46
Other (please specify)	11.06%	26
Total Respondents: 235		

Q12: Which container orchestration tools does your organization use most frequently? (Choose one.)

Answered: 236   Skipped: 255

| | 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% |

- Docker Swarm
- Kubernetes
- Mesos
- Hashicorp Nomad
- Cloud Foundry
- Openstack Magnum
- Amazon ECS
- Azure Container...
- Internally developed tools
- Other (please specify)

Q12: Which container orchestration tools does your organization use most frequently? (Choose one.)

Answered: 236   Skipped: 255

Answer Choices	Responses	
Docker Swarm	17.80%	42
Kubernetes	32.63%	77
Mesos	4.24%	10
Hashicorp Nomad	0.85%	2
Cloud Foundry	3.81%	9
Openstack Magnum	2.54%	6
Amazon ECS	12.29%	29
Azure Container Service	5.93%	14
Internally developed tools	11.86%	28
Other (please specify)	8.05%	19
Total		236

Q13: Which infrastructure providers do you use to run container technologies? (Choose all that apply.)
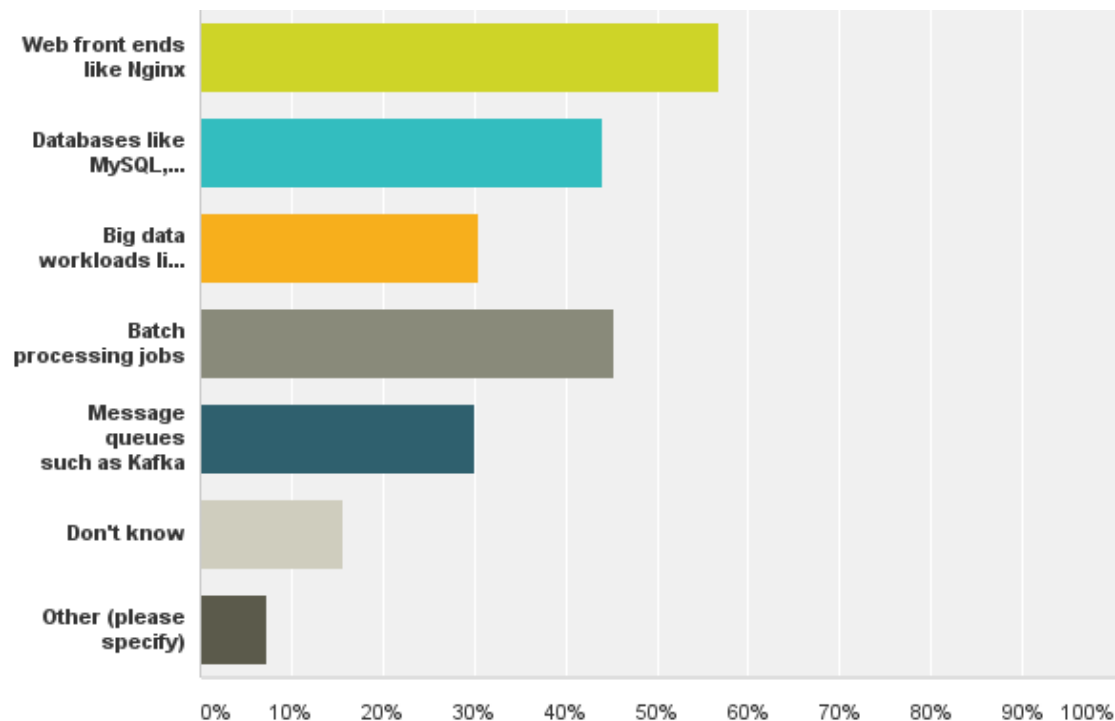
Answered: 240   Skipped: 251
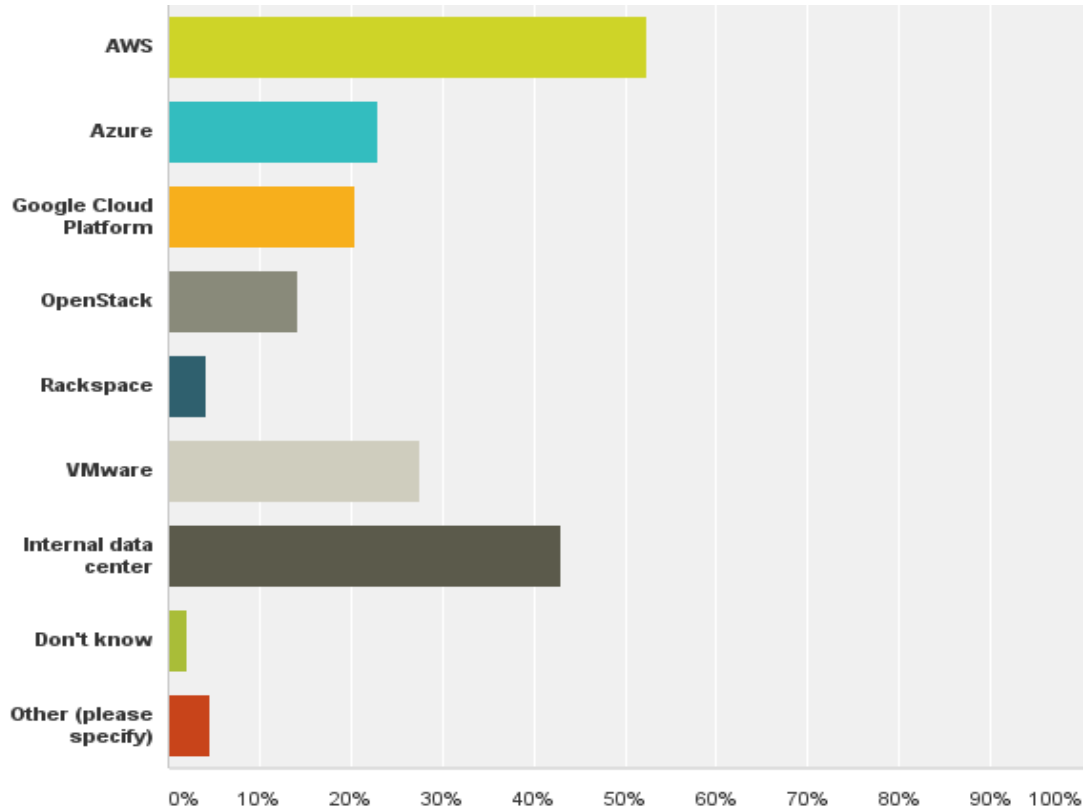
Q13: Which infrastructure providers do you use to run container technologies? (Choose all that apply.)

Answered: 240   Skipped: 251

Answer Choices	Responses	
AWS	52.50%	126
Azure	22.92%	55
Google Cloud Platform	20.42%	49
OpenStack	14.17%	34
Rackspace	4.17%	10
VMware	27.50%	66
Internal data center	42.92%	103
Don't know	2.08%	5
Other (please specify)	4.58%	11
Total Respondents: 240		

Q14: Which applications do you plan to deploy on containers within the next year? (Choose all that apply.)
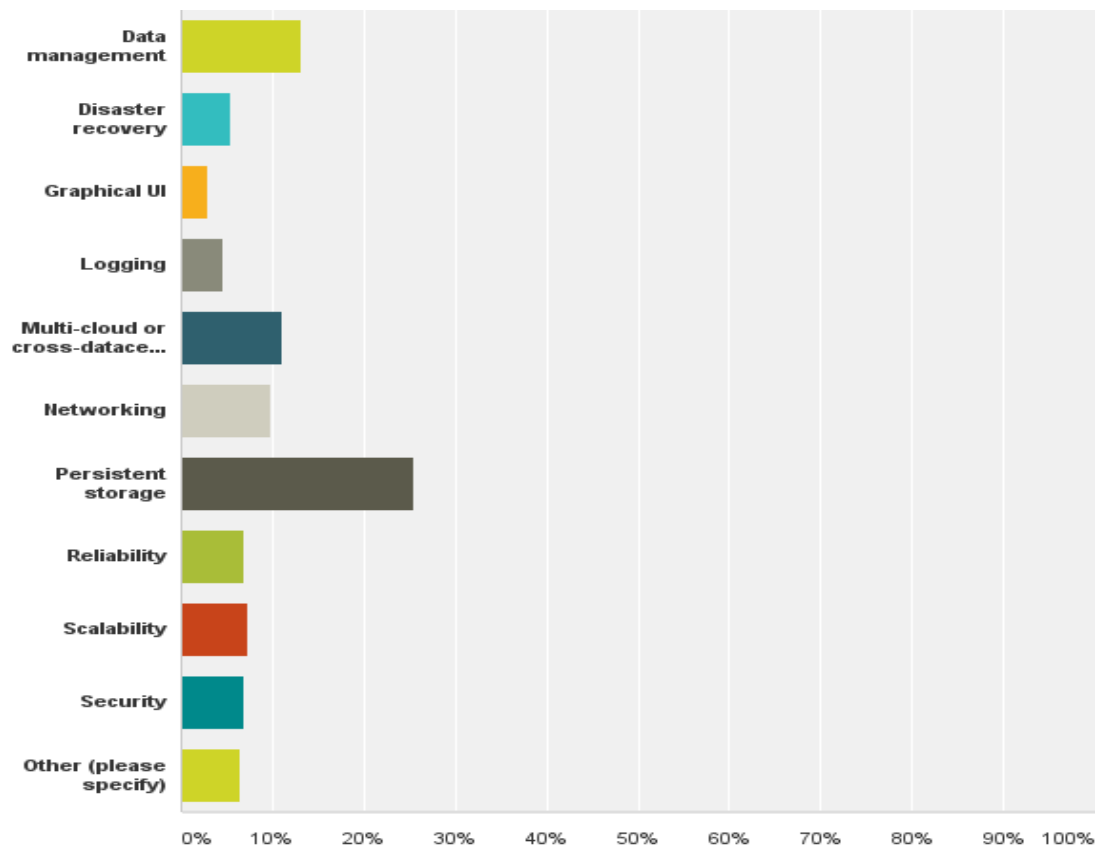
Answered: 236   Skipped: 255

Q14: Which applications do you plan to deploy on containers within the next year? (Choose all that apply.)

Answered: 236   Skipped: 255

Answer Choices	Responses	
Web front ends like Nginx	**56.78%**	134
Databases like MySQL, Cassandra	**44.07%**	104
Big data workloads like Hadoop or Spark	**30.51%**	72
Batch processing jobs	**45.34%**	107
Message queues such as Kafka	**30.08%**	71
Don't know	**15.68%**	37
Other (please specify)	**7.20%**	17
Total Respondents: 236		

Q15: In order to deploy containers, which challenge has been the most difficult to overcome? (Choose one.)
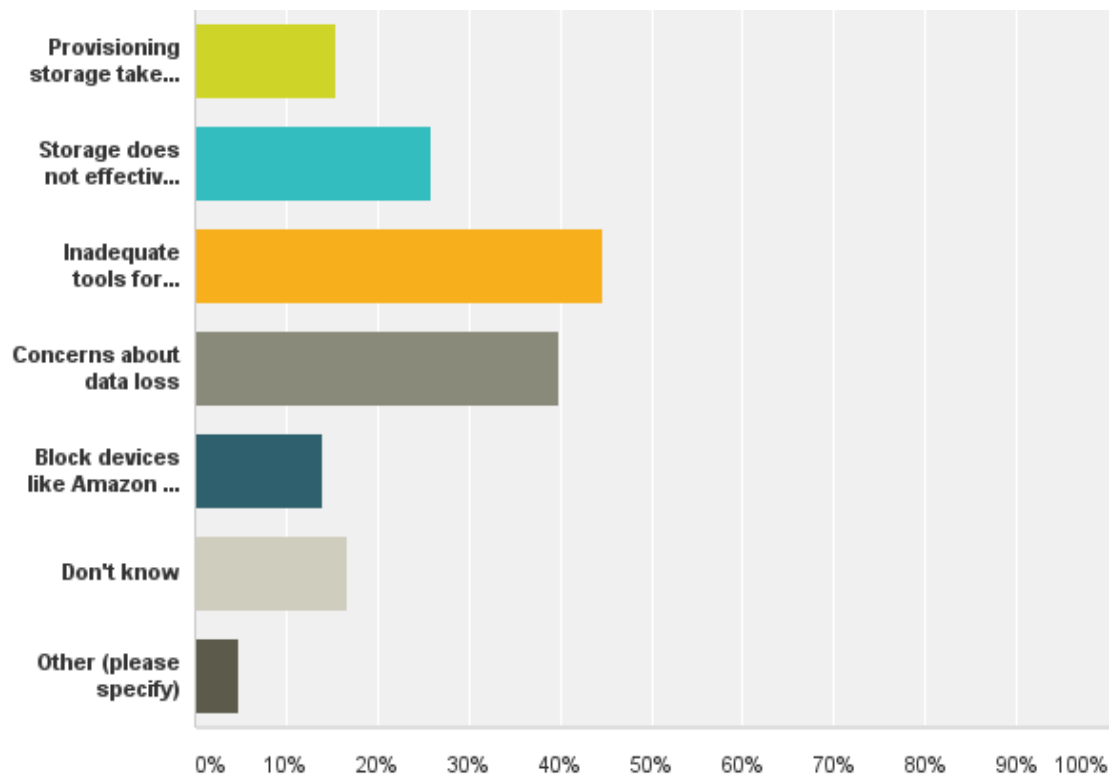
Answered: 235   Skipped: 256

Q15: In order to deploy containers, which challenge has been the most difficult to overcome? (Choose one.)

Answered: 235   Skipped: 256

Answer Choices	Responses	
Data management	**13.19%**	31
Disaster recovery	**5.53%**	13
Graphical UI	**2.98%**	7
Logging	**4.68%**	11
Multi-cloud or cross-datacenter support	**11.06%**	26
Networking	**9.79%**	23
Persistent storage	**25.53%**	60
Reliability	**6.81%**	16
Scalability	**7.23%**	17
Security	**6.81%**	16
Other (please specify)	**6.38%**	15
Total		**235**

Q16: What storage challenges have you experienced when trying to run stateful containers? (Check all that apply.)
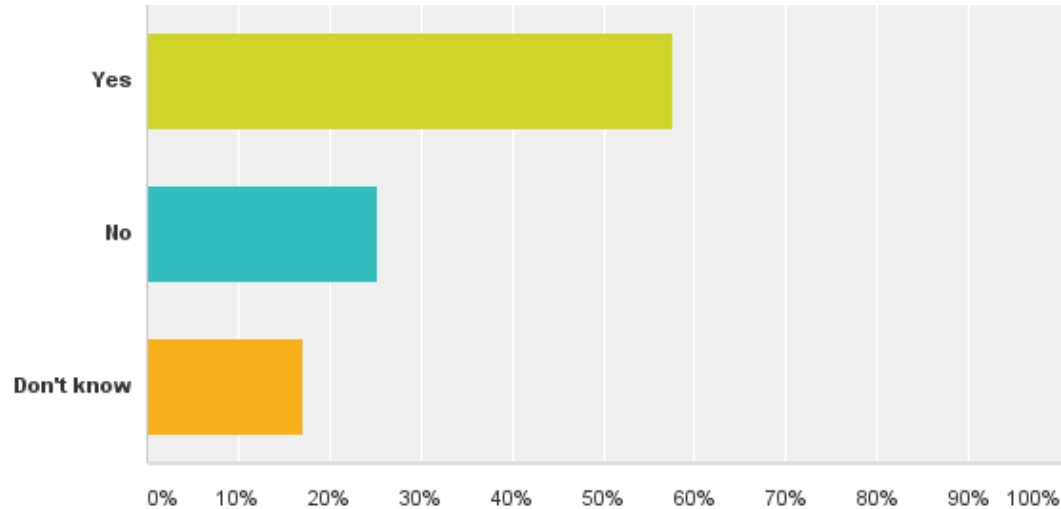
Answered: 228   Skipped: 263

Q16: What storage challenges have you experienced when trying to run stateful containers? (Check all that apply.)

Answered: 228   Skipped: 263

Answer Choices	Responses	
Provisioning storage takes too long due to SAN or NAS setup	15.35%	35
Storage does not effectively scale with the number of containers	25.88%	59
Inadequate tools for managing container storage	44.74%	102
Concerns about data loss	39.91%	91
Block devices like Amazon EBS are slow to mount	14.04%	32
Don't know	16.67%	38
Other (please specify)	4.82%	11
Total Respondents: 228		

Q17: Is your organization making a financial investment in container technologies? (Choose one.)
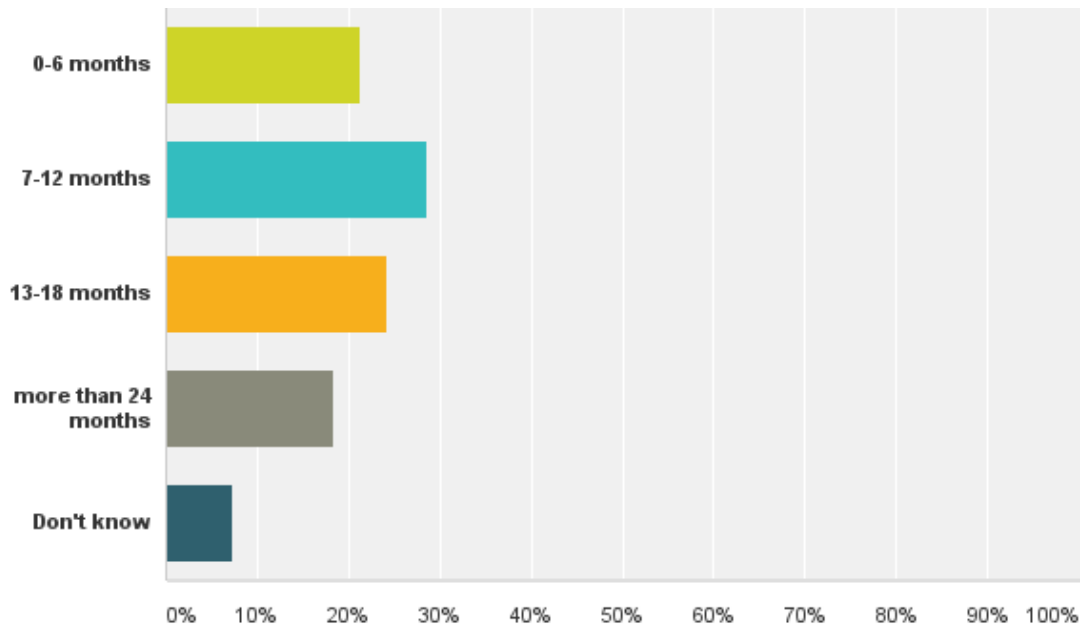
Answered: 234   Skipped: 257

Q17: Is your organization making a financial investment in container technologies? (Choose one.)

Answered: 234   Skipped: 257

Answer Choices	Responses	
Yes	**57.69%**	135
No	**25.21%**	59
Don't know	**17.09%**	40
Total		**234**

Q18: How long has your organization been making a financial investment in container technologies? (Choose one.)
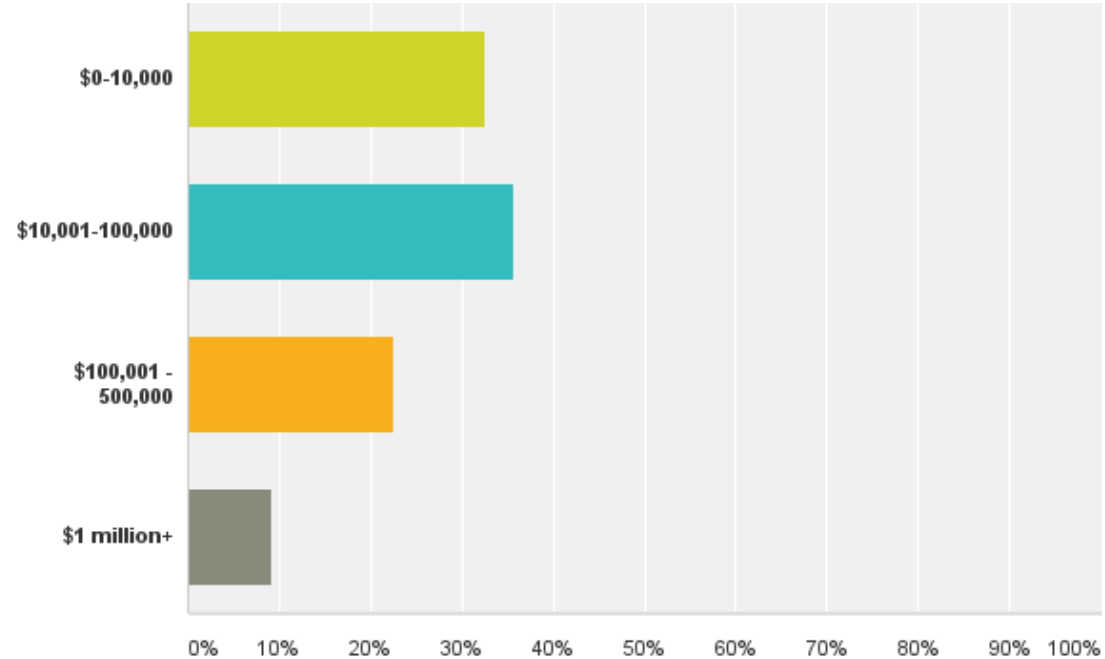
Answered: 136   Skipped: 355

Q18: How long has your organization been making a financial investment in container technologies? (Choose one.)

Answered: 136   Skipped: 355

Answer Choices	Responses	
0-6 months	21.32%	29
7-12 months	28.68%	39
13-18 months	24.26%	33
more than 24 months	18.38%	25
Don't know	7.35%	10
Total		136

Q19: How much of an annual financial investment has your company made in container technology license and usage fees? (Choose one.)

Answered: 134   Skipped: 357
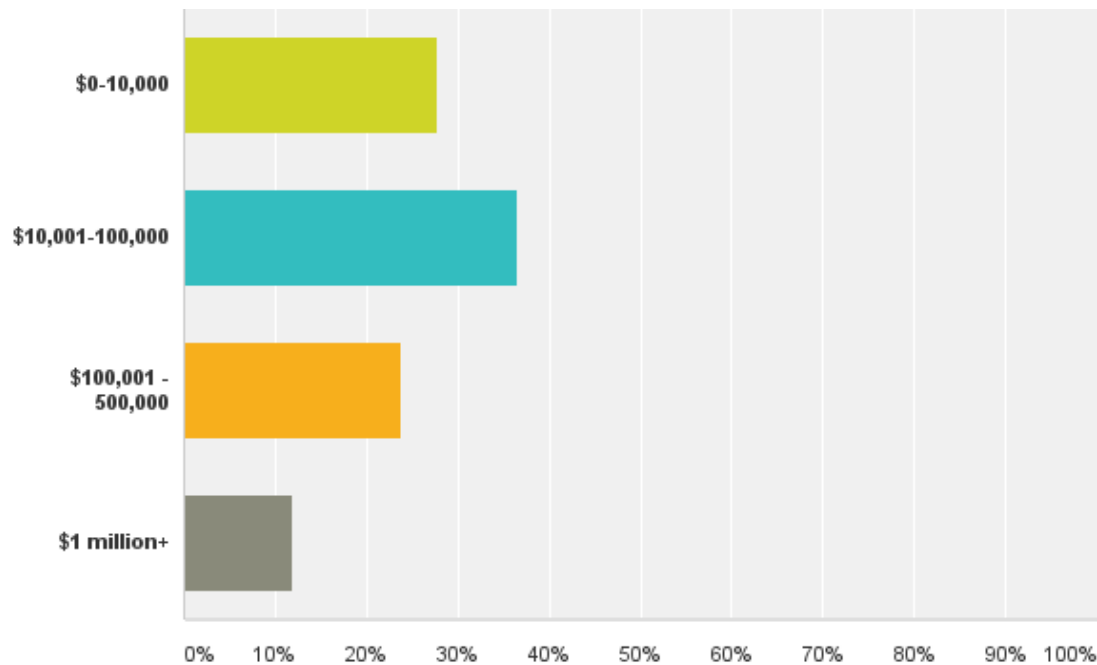
Q19: How much of an annual financial investment has your company made in container technology license and usage fees? (Choose one.)

Answered: 134   Skipped: 357

Answer Choices	Responses	
$0-10,000	32.65%	32
$10,001-100,000	35.71%	35
$100,001 - 500,000	22.45%	22
$1 million+	9.18%	9
Total		98

Q20. How much of an annual financial investment has your company made in personnel expenses to use container technologies? (Choose one.)

Answered: 133   Skipped: 358

Q20. How much of an annual financial investment has your company made in personnel expenses to use container technologies? (Choose one.)

Answered: 133   Skipped: 358

Answer Choices	Responses	
$0-10,000	27.72%	28
$10,001-100,000	36.63%	37
$100,001 - 500,000	23.76%	24
$1 million+	11.88%	12
Total		101

Q21: What is the primary reason why your organization isn't using container technologies today? (Choose one.)

Answered: 140   Skipped: 351
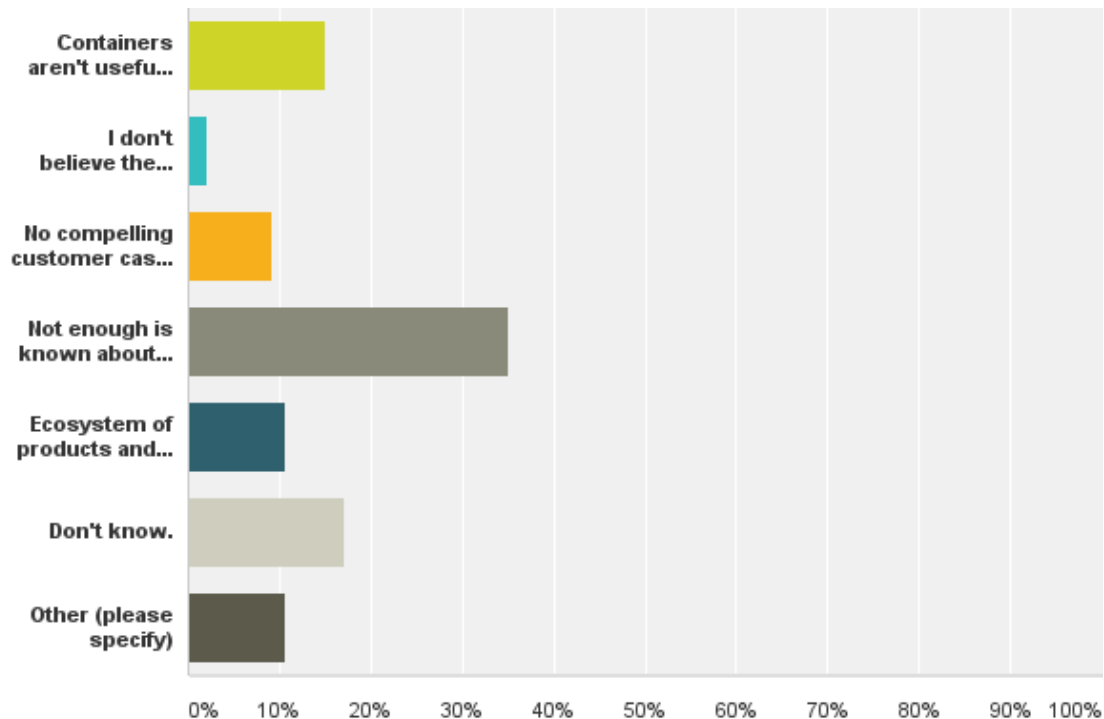
Q21: What is the primary reason why your organization isn't using container technologies today? (Choose one.)

Answered: 140   Skipped: 351

Answer Choices	Responses	
Containers aren't useful for our applications.	**15.00%**	21
I don't believe the hype around containers.	**2.14%**	3
No compelling customer case studies demonstrating how containers provide benefits or ROI.	**9.29%**	13
Not enough is known about container technologies in order to invest any resources in them.	**35.00%**	49
Ecosystem of products and tools is too immature.	**10.71%**	15
Don't know.	**17.14%**	24
Other (please specify)	**10.71%**	15
Total		**140**