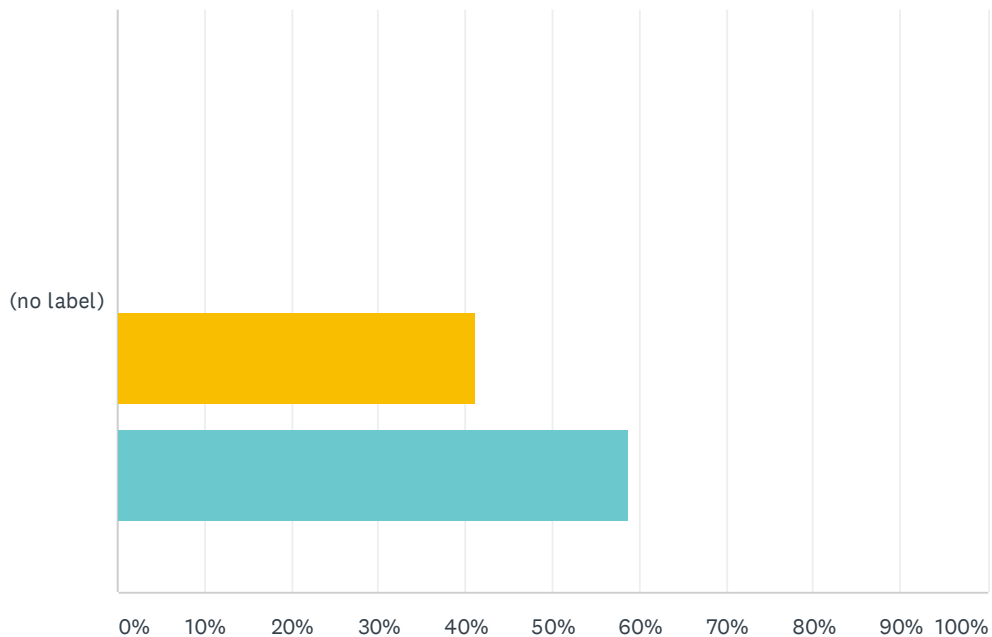


# Q1 NANOG 78 Conference Opening

Answered: 63 Skipped: 2



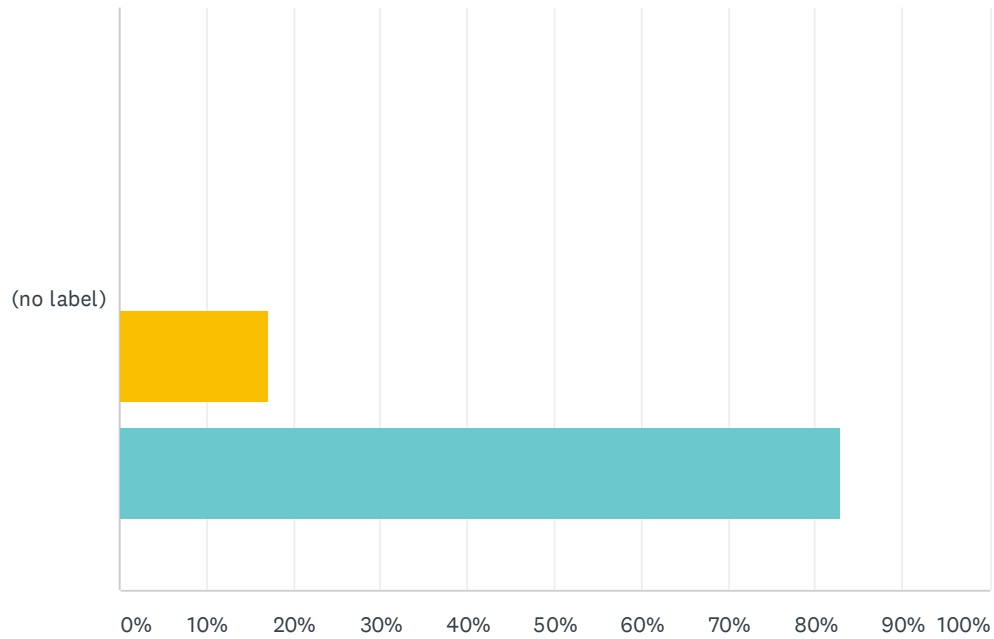
■ Very Poor 
 ■ Poor 
 ■ Satisfactory 
 ■ Very Good

	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
(no label)	0.00%	0.00%	41.27%	58.73%	63	3.59
	0	0	26	37		

#	COMMENTS:	DATE
1	I really enjoyed several of the presentations.	2/11/2020 1:37 PM
2	Bill Manning tribute was excellent.	2/11/2020 11:42 AM
3	give us understanding of network and technolgy today	2/10/2020 11:56 PM

## Q2 Keynote: Amin Vahdat

Answered: 64 Skipped: 1



■ Very Poor 
 ■ Poor 
 ■ Satisfactory 
 ■ Very Good

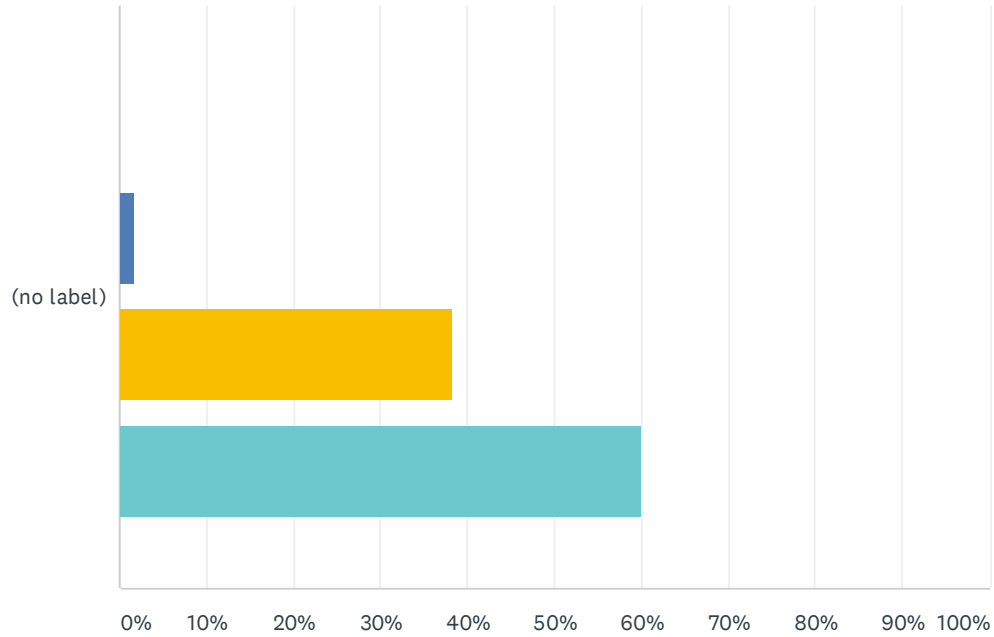
	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
(no label)	0.00%	0.00%	17.19%	82.81%		
	0	0	11	53	64	3.83

## NANOG 78 Monday Presentations

#	COMMENTS:	DATE
1	Interesting insights.	2/11/2020 7:08 PM
2	It would be best in future that the agenda avoid personality Keynotes-by-name and instead have the topic. Apologies if you tried and the presenter didn't supply the content in time.	2/11/2020 5:39 PM
3	Wish slides were available before the talk to avoid taking notes about slides in case they aren't made available. Or announce that slides won't be available.	2/11/2020 4:33 PM
4	While interesting, seemed to go on too long. Would suggest shorter keynotes.	2/11/2020 1:37 PM
5	Very high level. Would have liked to know more, such as, * what were the regions that were accidentally grouped as a single region? * what was the significance of the critical bit in the code that affected the code upgrade? * what was the OOB network that couldn't afford a person to VPN in? Thanks for sharing.	2/11/2020 1:24 PM
6	Enjoyed a transparent presentation with real problems and recommendations on solving them.	2/11/2020 11:36 AM
7	The presentation was delivered very well and helped highlight a part of networking that is not considered as a priority over other aspects. The presentation was insightful and I will be bringing a lot of those ideas back to my team.	2/11/2020 11:33 AM
8	Good to hear	2/11/2020 7:34 AM
9	Well prepared	2/11/2020 2:07 AM
10	Most important, the network must deliver the highest levels of availability. Drawing from his experience	2/10/2020 11:56 PM
11	Excellent preso ... definitely good take-aways	2/10/2020 8:25 PM
12	I was amazed that Google would be so honest with a significant flaw in their system. Well done.	2/10/2020 8:20 PM

# Q3 Buffer Sizing and Video QoE Measurements at Netflix - Bruce Spang

Answered: 60 Skipped: 5



■ Very Poor 
 ■ Poor 
 ■ Satisfactory 
 ■ Very Good

	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
(no label)	0.00%	1.67%	38.33%	60.00%	60	3.58
	0	1	23	36		

## NANOG 78 Monday Presentations

#	COMMENTS:	DATE
1	Na	2/12/2020 7:04 PM
2	n/a	2/12/2020 2:48 PM
3	Missed some of it because of conference call.	2/11/2020 7:08 PM
4	Router queuing 1010 - good content but was not for me.	2/11/2020 5:39 PM
5	Nice to see a young person this serious about a topic	2/11/2020 4:43 PM
6	Very good speaker, engaging talk, interesting topic.	2/11/2020 4:33 PM
7	Great! It was wonderful to see a topic with an unknown conclusion but with potential	2/11/2020 1:54 PM
8	Would have liked to hear more about how the video quality was tested.	2/11/2020 1:37 PM
9	Speaker was good just needs more public speaking experience, hard to hear as he tailed off.	2/11/2020 1:10 PM
10	Too much information that is common knowledge (cards have queueing, etc.) and not enough about measurement methods, etc.	2/11/2020 1:06 PM
11	Underrated topic. Good to see.	2/11/2020 11:42 AM
12	The presentation was knowledgeable and provided some additional detail but I would have liked to have seen comparisons to other mitigation techniques to the issue instead of just trying to manipulate buffer size.	2/11/2020 11:33 AM
13	good energy, good information	2/11/2020 7:34 AM
14	interesting i think its something most of us have asked ourselves at some point	2/11/2020 1:20 AM
15	shedding light on how buffers should be sized by CDNs and video content providers	2/10/2020 11:56 PM
16	Interesting and informative.	2/10/2020 9:52 PM
17	Very interesting how buffer size affects performance	2/10/2020 8:20 PM

## Q4 If you attended the Newcomers Lunch, please provide your view on the following:

Answered: 14 Skipped: 51

ANSWER CHOICES	RESPONSES	
Do you feel you received enough guidance from NANOG mentors and staff?	100.00%	14
How did you justify your travel request to your employer?	85.71%	12
How can we improve upon your experience?	71.43%	10

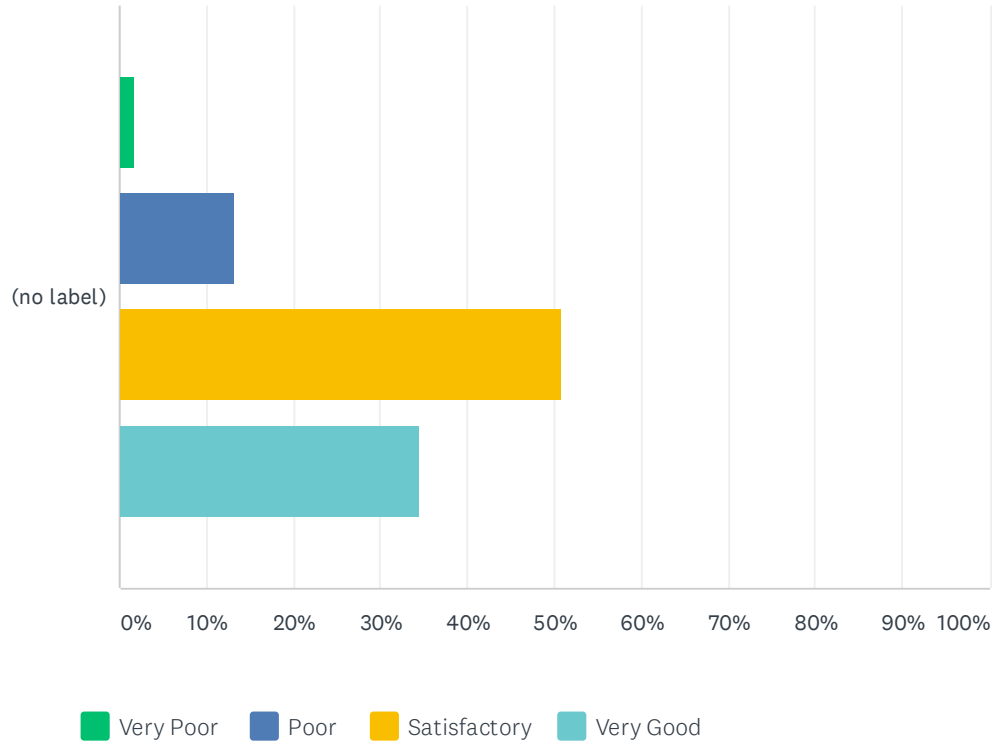
#	DO YOU FEEL YOU RECEIVED ENOUGH GUIDANCE FROM NANOG MENTORS AND STAFF?	DATE
1	Yes	2/12/2020 7:04 PM
2	yes!	2/12/2020 1:15 PM
3	Yes	2/11/2020 7:08 PM
4	Yes	2/11/2020 5:04 PM
5	Yes very much!	2/11/2020 4:34 PM
6	Yes	2/11/2020 1:37 PM
7	yes	2/11/2020 1:08 PM
8	Definitely! The leading discussion questions lead to some great conversations.	2/11/2020 1:03 PM
9	Absolutely	2/11/2020 1:01 PM
10	Yes	2/11/2020 11:36 AM
11	Absolutely.	2/11/2020 11:33 AM
12	yes	2/11/2020 1:20 AM
13	yes	2/10/2020 11:56 PM
14	Yes	2/10/2020 8:40 PM

## NANOG 78 Monday Presentations

#	HOW DID YOU JUSTIFY YOUR TRAVEL REQUEST TO YOUR EMPLOYER?	DATE
1	Na	2/12/2020 7:04 PM
2	Mandatory for me to go	2/12/2020 1:15 PM
3	Expanding my knowledge and creating personal contacts.	2/11/2020 7:08 PM
4	Great opportunity to meet like minded network engineers to get feedback	2/11/2020 5:04 PM
5	Learning experience	2/11/2020 1:37 PM
6	N/A; Student as . apart of the NANOG college immersion program.	2/11/2020 1:03 PM
7	Networking and educational needs	2/11/2020 1:01 PM
8	Opportunity for learning	2/11/2020 11:36 AM
9	I stated that this conference would shed light on new technology and practices to help bring back to my company.	2/11/2020 11:33 AM
10	training/networking/peering opportunities	2/11/2020 1:20 AM
11	my employer reimbursement for my expenses	2/10/2020 11:56 PM
12	Local to SF, but justified NANOG as a way to stay up to date on what's going on with networking	2/10/2020 8:40 PM
#	HOW CAN WE IMPROVE UPON YOUR EXPERIENCE?	DATE
1	More lessons learned from industry while deploying something.	2/12/2020 7:04 PM
2	Nothing can	2/12/2020 1:15 PM
3	Knowing the agenda sooner.	2/11/2020 7:08 PM
4	-	2/11/2020 5:04 PM
5	Gather and publish a 'local guide' introducing visitors to a new city including how to use public transit; list common places in the conference center appropriate for small meeting use; provide a list 'quite' non-night life dinner spots for meetings	2/11/2020 1:08 PM
6	Maybe more opportunities for students or young professionals to connect specifically.	2/11/2020 1:03 PM
7	No input	2/11/2020 1:01 PM
8	Better ability to plan talks to attend.	2/11/2020 11:36 AM
9	None. The lunch as fantastic.	2/11/2020 11:33 AM
10	my we need the simlar nanog to africa country . africa adapt new technology very rapidly	2/10/2020 11:56 PM

# Q5 The Next Network Professional: What's next?: David Temkin, Netflix

Answered: 61 Skipped: 4



	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
(no label)	1.64%	13.11%	50.82%	34.43%		
	1	8	31	21	61	3.18

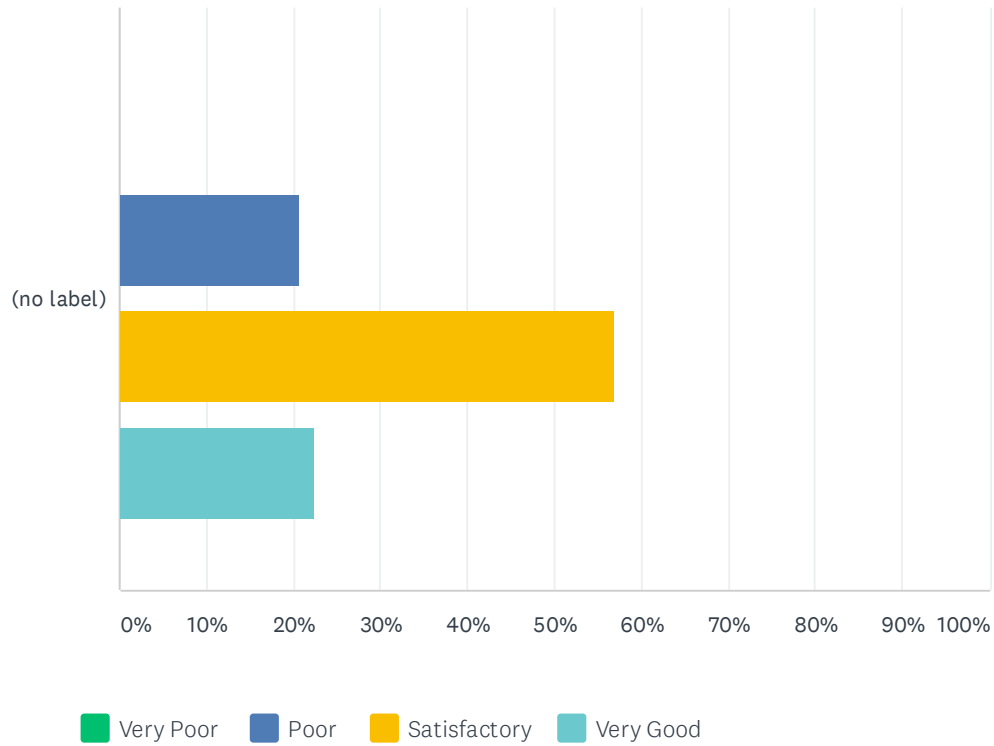


## NANOG 78 Monday Presentations

#	COMMENTS:	DATE
1	It was not for the current professional, it was for students.	2/12/2020 7:04 PM
2	Maybe a separate subject, but consider older professionals needing to keep up in this quickly changing field.	2/11/2020 7:08 PM
3	Good talk regarding diversity but did not cover the next generation skillsets / mindsets needed for the coming decade. Would be great to cover this next time and integrate how underserved groups can get exposure to these skills. I would like to help in this area. ramyers@cisco.com	2/11/2020 7:03 PM
4	a bit wandering but an awesome topic	2/11/2020 4:43 PM
5	More topics should be included.	2/11/2020 4:35 PM
6	I like having these career development bits. Useful for newcomers, good reminders for us old-timers	2/11/2020 3:05 PM
7	The abstract was good, but the on stage presentation didn't live up. Overall, too low energy to be inspiring with anything actionable. Second to that, more time was given to D&I topic than expected, wanted. The stats and insights on hinderances to diversity were appreciated, though.	2/11/2020 1:24 PM
8	Not quite what I expected.	2/11/2020 1:10 PM
9	Spent way too much time on one issue (gender) - there are larger ones in our community. Economic is the big one - there are a lot of people out there that still can't afford computers or even contemplate going to Stanford, so having someone from Stanford talking about what they're doing is very tone deaf.	2/11/2020 1:06 PM
10	Too focused on the gender issue - there are many, many others (economic is a big one that comes to mind - having someone from Stanford talking about they're doing isn't helpful for the huge percentage of the population that can't even consider Stanford)	2/11/2020 1:03 PM
11	Did not hold interest.	2/11/2020 11:42 AM
12	Interesting panel.	2/11/2020 11:36 AM
13	very insightful panel with lots of good insight to potentially implement within our own team.	2/11/2020 11:33 AM
14	if he can tell us from design, deployment, and operations of all elements of networking at Netflix	2/10/2020 11:56 PM
15	I didn't hear a lot about neurodiversity, and I feel that's a big omission considering our industry.	2/10/2020 9:52 PM
16	Good focus on inclusiveness and diversity, but was expecting discussions of skill sets and evolving the workforce	2/10/2020 8:25 PM
17	A great panel that massively underperformed. Instead of talking about what's in store for the new network professional, the talk devolved into LGBT and bias issues. Any employer worth a dam knows that it's talent that drives hiring practice. The professor from Stanford had some solid insight.	2/10/2020 8:20 PM

# Q6 SONiC - Enable Fast Evolution of Cloud Networking: Xin Liu

Answered: 58 Skipped: 7



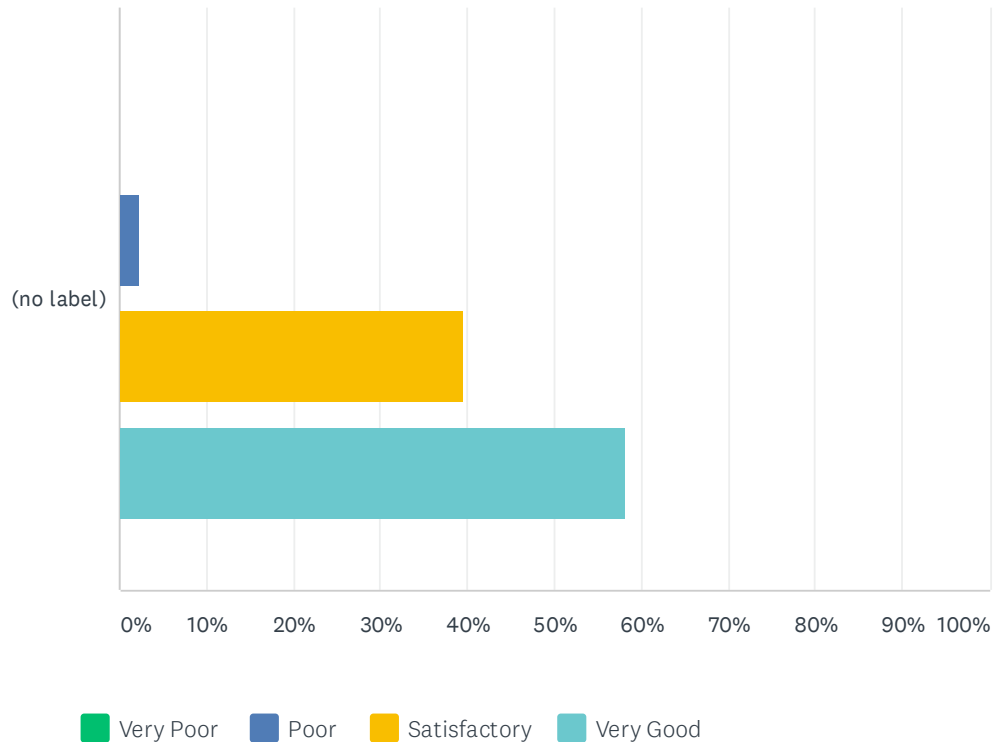
	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
(no label)	0.00%	20.69%	56.90%	22.41%		
	0	12	33	13	58	3.02

## NANOG 78 Monday Presentations

#	COMMENTS:	DATE
1	Went too fast.	2/12/2020 7:04 PM
2	this person needed more practice and review, too much rambling without context and a bit of bias about SONIC	2/11/2020 4:43 PM
3	It would have been better if there was a small slide on hardware this runs on.	2/11/2020 1:54 PM
4	Did not attend.	2/11/2020 1:37 PM
5	Presentation didn't have good flow. Animations more of a distraction. It would benefit from more of a conversational tone. And more explanation why it's relevant that it's a Linux subsystem, the advantages (and risks!) with a SAI architecture. And where is this already being used? How is it actually delivering something different than other, maybe more relatable, platforms?	2/11/2020 1:24 PM
6	Relevant to job.	2/11/2020 11:42 AM
7	Sounded like a minimal presentation. It's open source so expected more info on real examples and methodology and not a rehash of sorts.	2/11/2020 11:36 AM
8	The material was good but the lecture was difficult.	2/11/2020 11:33 AM
9	What about Azurestack SDN is it based on SONIC we need more information on Utilize cloud-scale deep telemetry and fully automated failure mitigation.	2/10/2020 11:56 PM
10	She didn't seem to know her slides very well.	2/10/2020 9:52 PM
11	It was a good topic but the talk was fairly mundane and hard to keep interest.	2/10/2020 8:40 PM
12	Somewhat interesting topic, but the presenter was very rough	2/10/2020 8:25 PM
13	Great information, but the presenter struggled a bit.	2/10/2020 8:20 PM

## Q7 Modern Cable Networks: Andy Smith, Cisco

Answered: 43 Skipped: 22

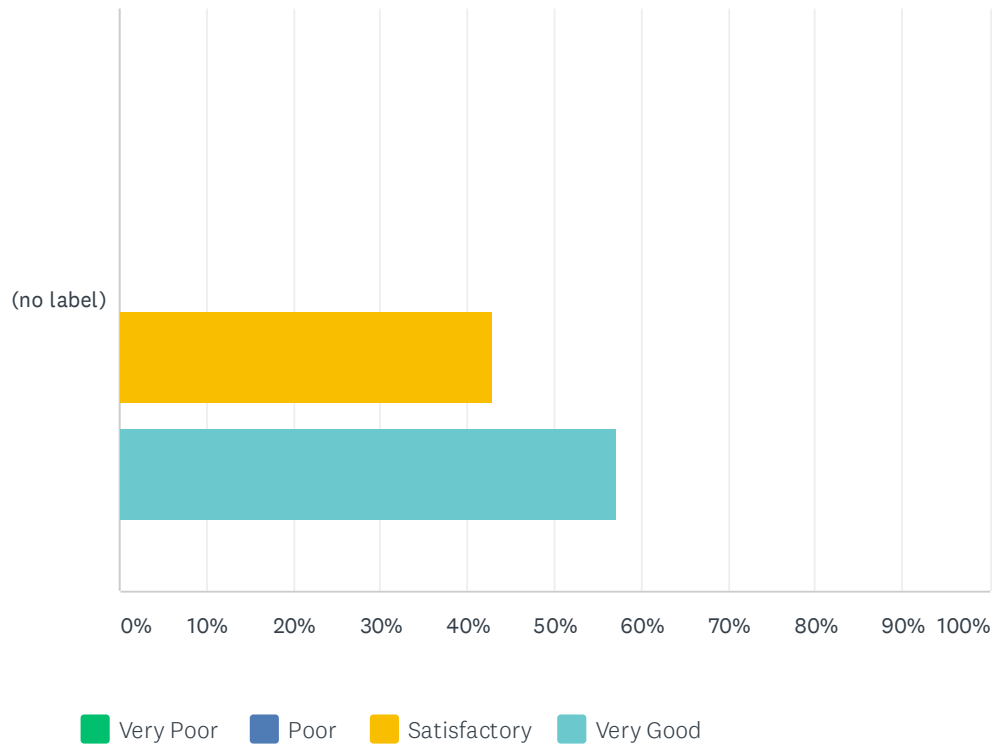


	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
(no label)	0.00%	2.33%	39.53%	58.14%	43	3.56
	0	1	17	25		

#	COMMENTS:	DATE
1	Na	2/12/2020 7:04 PM
2	n/a	2/12/2020 2:48 PM
3	Missed: conference call.	2/11/2020 7:08 PM
4	I was hoping to see some topology diagrams and discussion of the impact of going all IP on such areas as provisioning the home gateway.	2/11/2020 5:40 PM
5	surprisingly refreshing funny and insightful	2/11/2020 4:43 PM
6	Did not attend.	2/11/2020 1:37 PM
7	Great speaker.	2/11/2020 11:42 AM
8	how cisco we reduce the caost § Packet switching and increased efficiency	2/10/2020 11:56 PM
9	Interesting, but DEFINITELY a pitch for Cisco's vision of how cable networks should go.	2/10/2020 8:25 PM

# Q8 DNS: The Protocols, The Myths, The Legends: Paul Ebersman, Neustar

Answered: 42 Skipped: 23

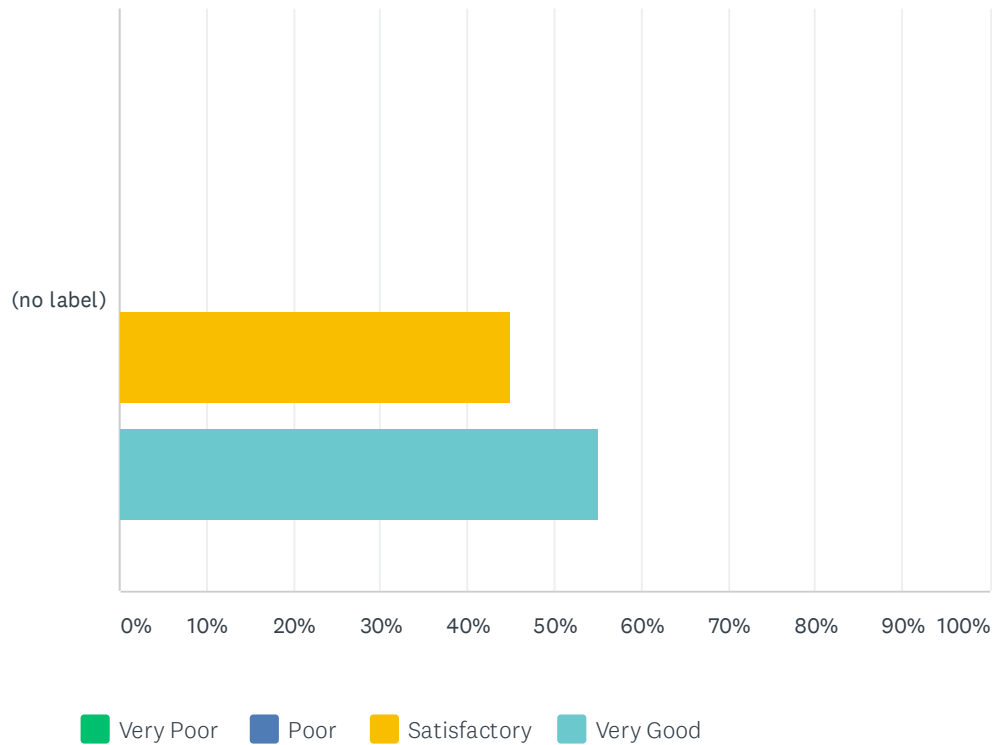


	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
(no label)	0.00%	0.00%	42.86%	57.14%	42	3.57
	0	0	18	24		

#	COMMENTS:	DATE
1	n/a	2/12/2020 2:48 PM
2	I knew nothing of doh and dot, now I know.	2/11/2020 1:54 PM
3	A 3.5, but a defaulted to 3.0. I learned something, the presentation was light and tangible. A diagram or two could have helped orient us a bit more than just bullet points.	2/11/2020 1:24 PM
4	Did not attend.	2/11/2020 1:01 PM
5	I am newer to the protocol and the speaker was very passionate about the subject. Lots of information was provided and it was very useful.	2/11/2020 11:33 AM
6	NA	2/11/2020 2:07 AM
7	When everything is working, DNS queries are generated and answered, and users and apps go about their normal business. But there are a number of ways that a bad actor can subvert the DNS. If the user or app asking the original question gets a false answer, the bad actor can deny them access to data, steal login credentials, give false information or eavesdrop on sensitive communications.	2/10/2020 11:56 PM
8	I learned a lot.	2/10/2020 9:52 PM
9	Solid presentation	2/10/2020 8:20 PM

# Q9 DNS Privacy in Practice - Measuring Deployment of DoT, DoH, and TFO: Casey Deccio, Brigham Young University

Answered: 40 Skipped: 25

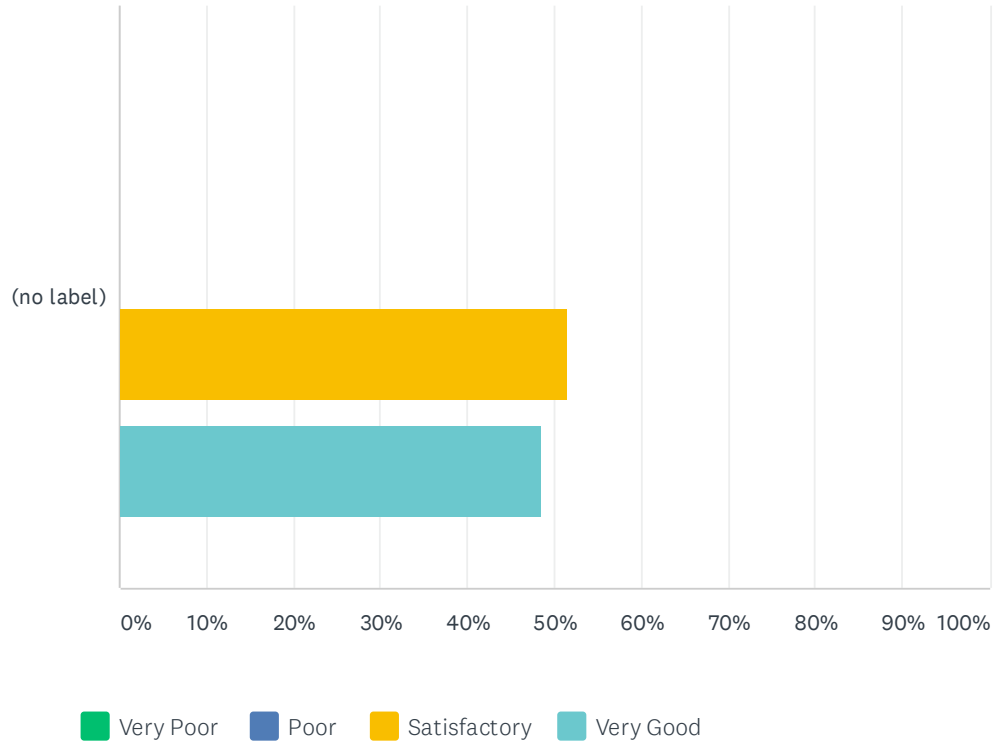


	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
(no label)	0.00%	0.00%	45.00%	55.00%	40	3.55
	0	0	18	22		

#	COMMENTS:	DATE
1	Na	2/12/2020 7:04 PM
2	n/a	2/12/2020 2:48 PM
3	A bit out of my depth.	2/11/2020 7:08 PM
4	It would have been nice to see up to date data. But I realize this is a fast moving topic right now.	2/11/2020 1:54 PM
5	Good energy, good specific. Well scoped and informative.	2/11/2020 1:24 PM
6	Wasn't bad but really seems to be a technology not being used.	2/11/2020 1:10 PM
7	Did not attend	2/11/2020 1:01 PM
8	NA	2/11/2020 2:07 AM
9	DNS packets to travel in encrypted over the Internet is good idea	2/10/2020 11:56 PM
10	I had not heard of TFO before... Bad engineer!	2/10/2020 9:52 PM
11	Solid presentation	2/10/2020 8:20 PM

## Q10 ARIN RPKI ROAthon: Mark Kusters, ARIN

Answered: 33 Skipped: 32

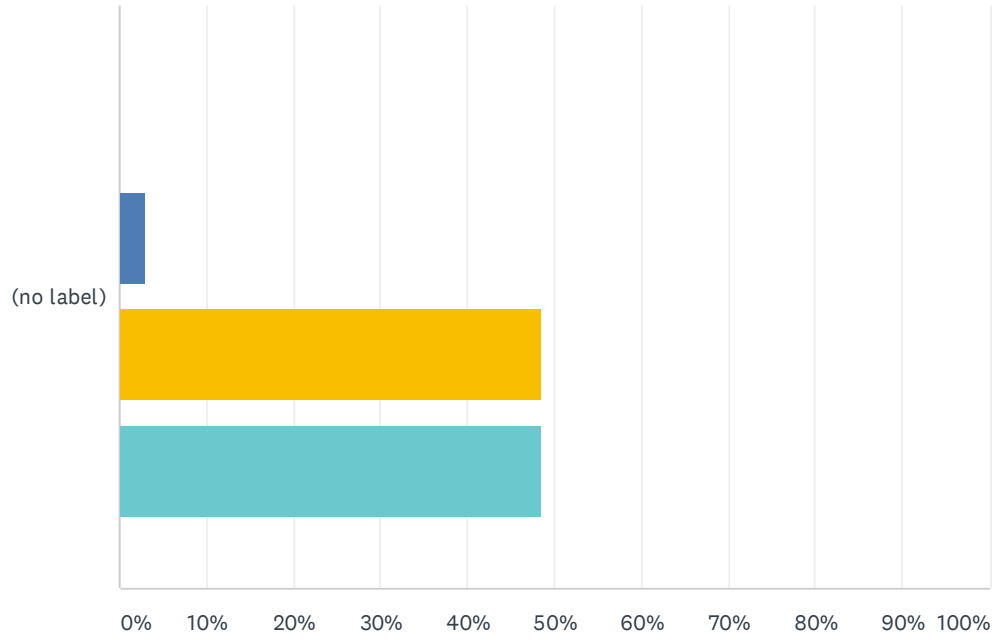


	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
(no label)	0.00%	0.00%	51.52%	48.48%	33	3.48
	0	0	17	16		

#	COMMENTS:	DATE
1	would prefer the region politics weren't involved	2/11/2020 4:43 PM
2	Did not attend, but participated in a similar workshop at the NE Peering Forum in August 2019, and found it very valuable.	2/11/2020 1:37 PM
3	entities should use an RPKI Validator and ARIN's Trust	2/10/2020 11:56 PM

## Q11 Peering Coordination Forum

Answered: 35 Skipped: 30



■ Very Poor 
 ■ Poor 
 ■ Satisfactory 
 ■ Very Good

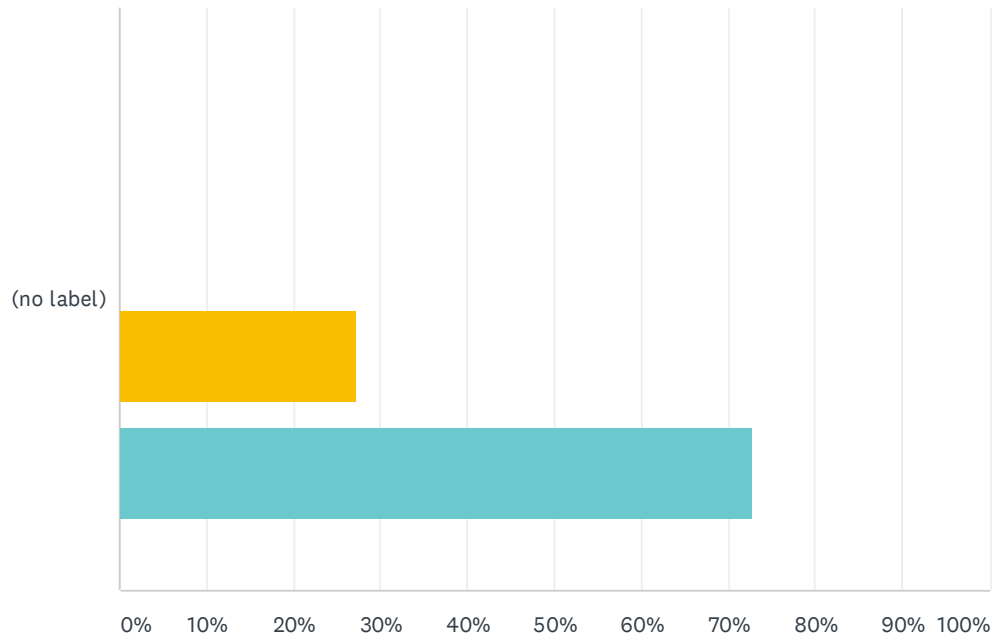
	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
(no label)	0.00%	2.86%	48.57%	48.57%	35	3.46
	0	1	17	17		

#	COMMENTS:	DATE
1	Na	2/12/2020 7:04 PM
2	Didn't attend.	2/11/2020 7:08 PM
3	I would have liked to see more of US based companies	2/11/2020 5:54 PM
4	Would've been nice if there were more tables for a larger set of companies.	2/11/2020 4:34 PM
5	Better than the last peering forum I attended at a NANOG. This time I wasn't distracted by aggressive peering/sales people from peering participants.	2/11/2020 1:24 PM
6	Did not attend	2/11/2020 1:01 PM
7	NA	2/11/2020 2:07 AM
8	meet with new peering who want PNI with us	2/10/2020 11:56 PM
9	Suuuuuper warm in there!	2/10/2020 9:52 PM



# Q12 Monday Night Social

Answered: 44 Skipped: 21



■ Very Poor 
 ■ Poor 
 ■ Satisfactory 
 ■ Very Good

	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
(no label)	0.00%	0.00%	27.27%	72.73%	44	3.73
	0	0	12	32		

#	COMMENTS:	DATE
1	Na	2/12/2020 7:04 PM
2	n/a	2/12/2020 2:48 PM
3	Missed	2/11/2020 7:08 PM
4	bigger space is good, good alcohol	2/11/2020 4:43 PM
5	Did not attend.	2/11/2020 1:37 PM
6	It was really good; good food, drinks, venue, coat/bag check. But I gave a 4.0 to the Vancouver NANOG that did the Casino night that was super fun (and also good food, etc). So I can give a 3.0 for this one.	2/11/2020 1:24 PM
7	Loud venue.	2/11/2020 11:36 AM
8	Lots of great conversation and lots of new people to meet.	2/11/2020 11:33 AM
9	Good but too crowded and loud. Maybe nix the dj.	2/11/2020 10:10 AM
10	NA	2/11/2020 2:07 AM
11	good	2/10/2020 11:56 PM

## Q13 What topics or speakers would you like to see added to the agenda in future meetings?

Answered: 15 Skipped: 50

#	RESPONSES	DATE
1	Sure want to see more topics about new network trends that are being deployed, what worked, what did not work, how to deploy something new.	2/12/2020 7:04 PM
2	DNS-OARC recap	2/12/2020 1:44 PM
3	More hands on presentations	2/11/2020 5:04 PM
4	More RPKI More SR More SDN hat n CGNs	2/11/2020 4:38 PM
5	Practical workshops , includes how to use open source toolings Automation frameworks(salt/ansible/stackstorm etc) etc	2/11/2020 4:35 PM
6	Geoff Huston on any of his research	2/11/2020 4:33 PM
7	more hardware. DWDM.	2/11/2020 1:54 PM
8	Mentoring - how to find and work with industry mentors Internet measurement - who is out there measuring what, what data sets are publicly available, what projects have been effectively abandoned?	2/11/2020 1:37 PM
9	More hands-on workshops. NANOGs ~7-10 years ago had more of this. Workshop to learn Perl, learn Python, Ansible, etc. Maybe do THESE on Sunday and then a Hackathon later in the week! Also, satellite based internet. SpaceX Starlink, OneWeb, ViaSat, etc. It's new stuff. Anything else that might be new, on the edge... networking for the quantum computing era (I know that's a stretch)	2/11/2020 1:24 PM
10	No input	2/11/2020 1:01 PM
11	Layer 1/ infrastructure	2/11/2020 11:42 AM
12	How orchestration of NFV and controllers will impact network operations.	2/11/2020 11:36 AM
13	More about Silicon Photonics	2/11/2020 2:07 AM
14	gaming industry technology companies	2/10/2020 11:56 PM
15	If we are going to have a block on the next network professional, there needs to be more detail on what those people need to be taught and baseline experience required.	2/10/2020 8:20 PM

# Q14 How satisfied are you with the following NANOG elements today?

Answered: 65 Skipped: 0



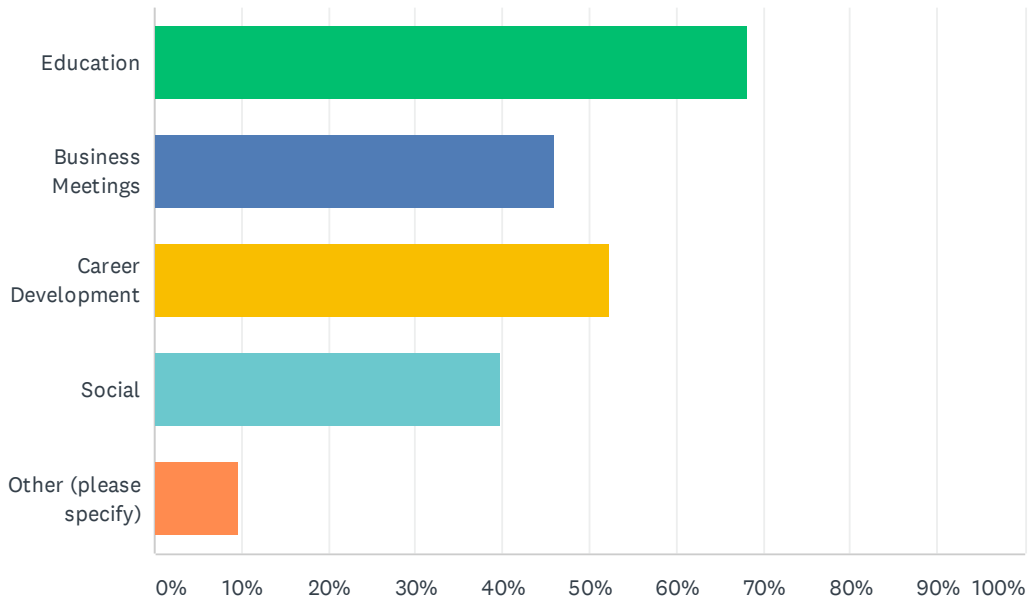
## NANOG 78 Monday Presentations

	VERY POOR	POOR	SATISFACTORY	VERY GOOD	TOTAL	WEIGHTED AVERAGE
Wifi Network	3.08% 2	6.15% 4	40.00% 26	50.77% 33	65	3.38
Meeting Venue	0.00% 0	4.62% 3	36.92% 24	58.46% 38	65	3.54
Food & Beverage	0.00% 0	10.94% 7	35.94% 23	53.13% 34	64	3.42
Sponsors	0.00% 0	1.59% 1	39.68% 25	58.73% 37	63	3.57

#	ADDITIONAL COMMENTS:	DATE
1	This is a nit, but I wish you would post the slides on the agenda before they are delivered. I like to bring up the slides on my laptop, because I can't see the big screen well. It seems like you only post the slides after the talk, which means I can't see the slides while the speaker is talking.	2/11/2020 5:40 PM
2	wifi congestion was bad, took 3 tries to answer this survey both on the Nanog and Nanog Legacy network	2/11/2020 4:43 PM
3	I like the hotel in union square more. It is less cold. The network folks were great in helping.	2/11/2020 1:54 PM
4	Wifi was spotty at the desks at the bottom of the stairs in the Pacific foyer. Breakfast was often cold and exceptionally "generic buffet breakfast" with limited options and bland taste. A general comment on presenter slides. Most of them were hard to read from even halfway back in the room. You should encourage presenters to aim for low density slides with large font sizes.	2/11/2020 1:12 PM
5	Get sodas at the breaks! Holy cow, the lemonade and tea were barely touched, and no caffeine to be found.	2/11/2020 1:06 PM
6	Get sodas at the break - holy cow. We need to additional caffeine!	2/11/2020 1:03 PM
7	Network was pretty dodgy. Did not care for lunch.	2/11/2020 10:10 AM
8	NA	2/11/2020 2:07 AM
9	wasn't clear which type of encryption for phone config but it worked well, lots of great spots for networking	2/11/2020 1:20 AM
10	The breakout rooms are awfully far from everything else.	2/10/2020 9:52 PM

## Q15 What is the primary driver behind your NANOG attendance?

Answered: 63 Skipped: 2



ANSWER CHOICES	RESPONSES
Education	68.25% 43
Business Meetings	46.03% 29
Career Development	52.38% 33
Social	39.68% 25
Other (please specify)	9.52% 6
Total Respondents: 63	

#	OTHER (PLEASE SPECIFY)	DATE
1	See what nanog is all about.	2/12/2020 7:04 PM
2	Feedback on our presentation	2/12/2020 1:44 PM
3	networking	2/11/2020 4:43 PM
4	All categories are important.	2/11/2020 11:42 AM
5	Present research, Network with operators/researchers	2/11/2020 11:15 AM
6	Looking for next NANOG	2/11/2020 2:07 AM