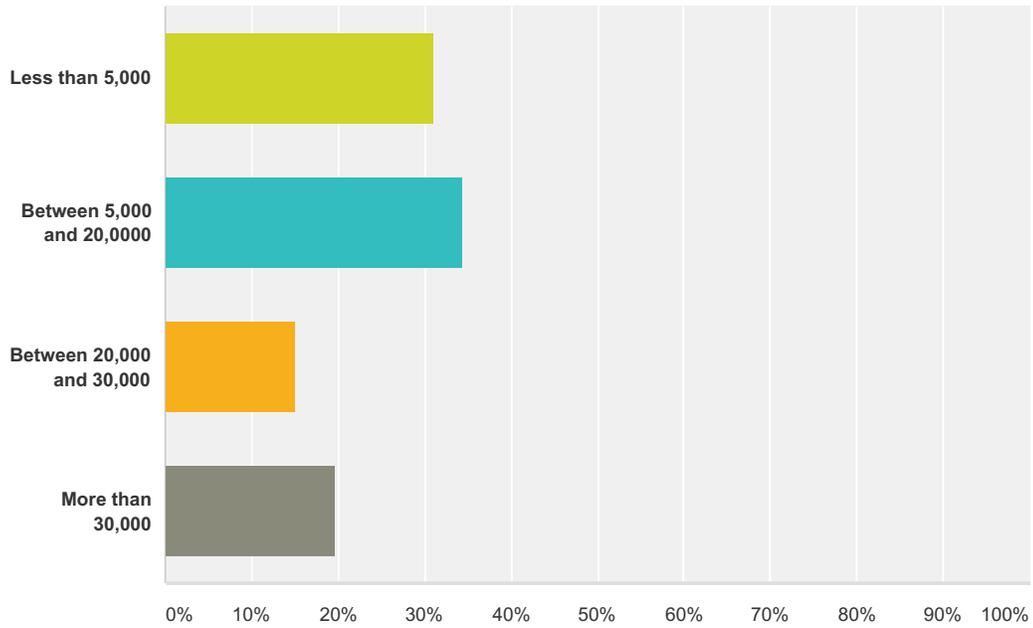


Q1 The size of my institution is:

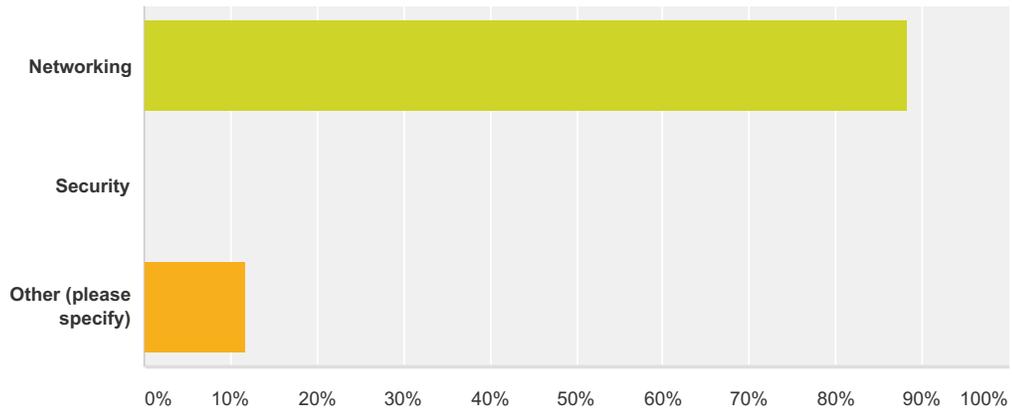
Answered: 87 Skipped: 0



Answer Choices	Responses
Less than 5,000	31.03% 27
Between 5,000 and 20,000	34.48% 30
Between 20,000 and 30,000	14.94% 13
More than 30,000	19.54% 17
Total	87

Q2 My primary field is in:

Answered: 86 Skipped: 1

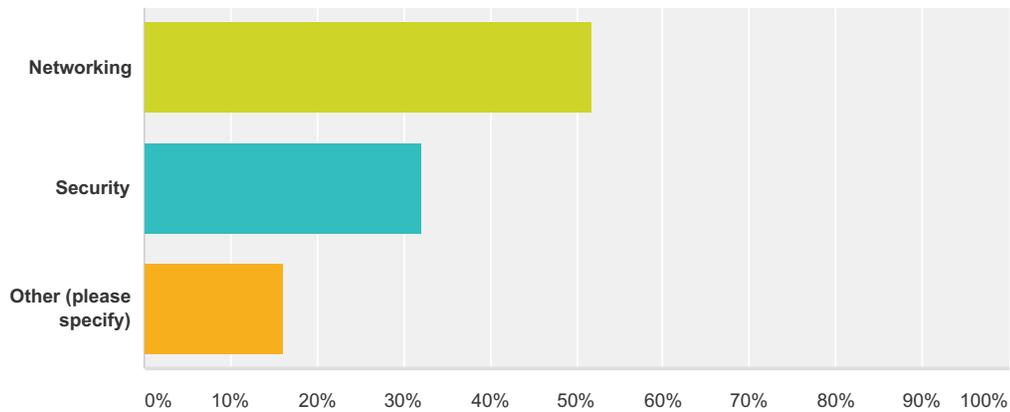


Answer Choices	Responses
Networking	88.37% 76
Security	0.00% 0
Other (please specify)	11.63% 10
Total	86

#	Other (please specify)	Date
1	infrastructure management so I do both	4/11/2016 10:04 AM
2	Architecture	4/8/2016 1:08 PM
3	Director of IT Operations	4/8/2016 12:41 PM
4	Sys Admin	4/8/2016 12:12 PM
5	Networking and security are the same group, same person	4/8/2016 10:03 AM
6	Infrastructure Management	4/8/2016 9:50 AM
7	System Administration	4/8/2016 9:50 AM
8	Infrastructure	4/8/2016 8:55 AM
9	both	4/8/2016 8:11 AM
10	Mgr of both areas	4/8/2016 12:51 AM

Q3 Campus firewalls should be managed by:

Answered: 87 Skipped: 0

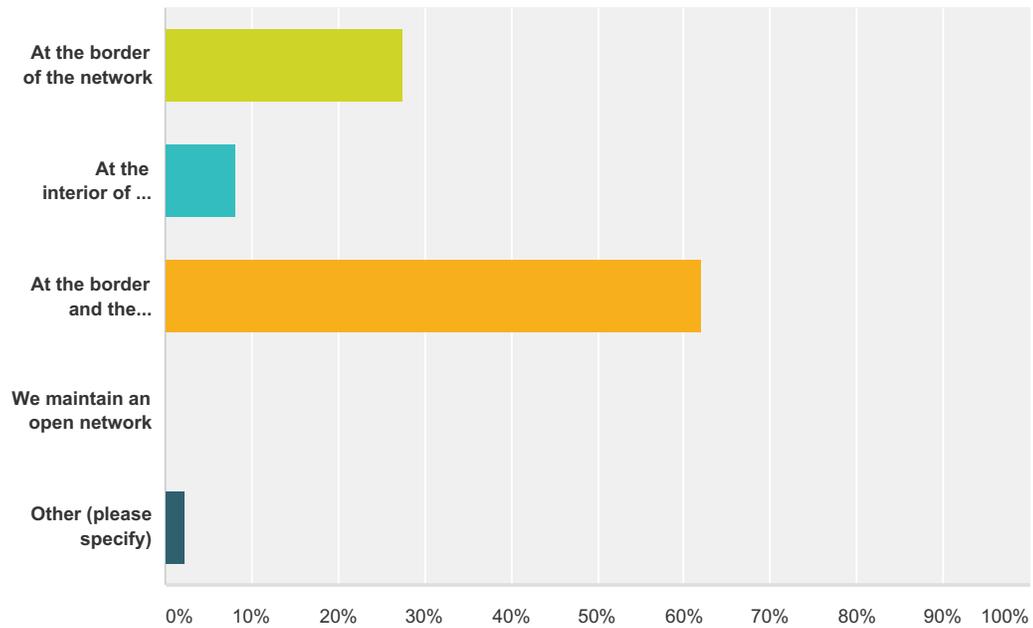


Answer Choices	Responses
Networking	51.72% 45
Security	32.18% 28
Other (please specify)	16.09% 14
Total	87

#	Other (please specify)	Date
1	Firewall platforms managed by Networking, actual policy definitions should be defined by whomever is responsible for the hosts being firewalled	4/8/2016 4:00 PM
2	Both	4/8/2016 1:08 PM
3	day-to-day policy changes (Security), otherwise networking	4/8/2016 12:03 PM
4	Firewall rules should be managed by Security. Hardware/OS, not sure	4/8/2016 11:28 AM
5	A mix of both networking and security. In general though I would expect Security to outline a policy that is implemented by Networking. Both, in my experience, however need daily access to for troubleshooting and updates.	4/8/2016 10:50 AM
6	Both, networking with the ability to change and security having the ability to review	4/8/2016 10:45 AM
7	jointly	4/8/2016 9:43 AM
8	Collaborative between both groups.	4/8/2016 9:34 AM
9	both groups are involved	4/8/2016 9:24 AM
10	Both, in concert	4/8/2016 9:13 AM
11	Policy decisions by Security / Implementation by Networking	4/8/2016 8:00 AM
12	Combined Network/Security	4/8/2016 1:05 AM
13	Networking should operate the gear and security should direct the rulesets and protections.	4/7/2016 11:51 PM
14	Those who have the necessary understanding of the implications of any policy mandated and implemented in the firewall and be ready, willing and able to assist in the problems caused by such policy to the other groups.	4/7/2016 10:47 PM

Q4 Where do you currently use firewall protection?

Answered: 87 Skipped: 0

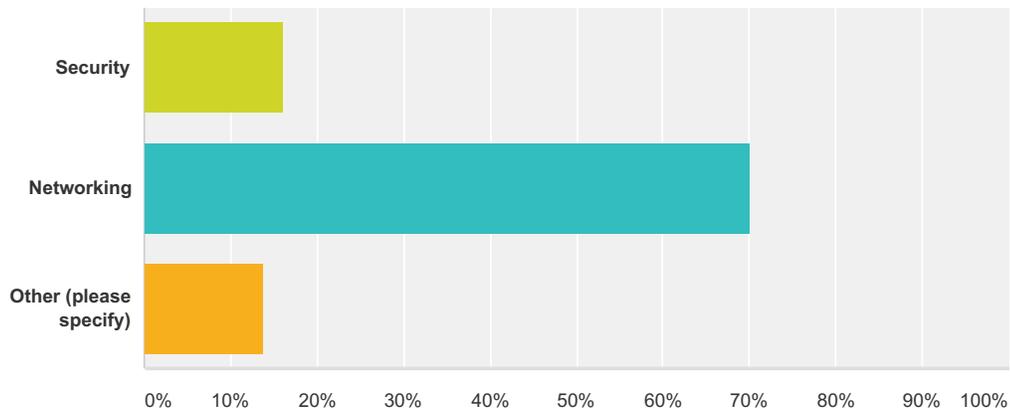


Answer Choices	Responses
At the border of the network	27.59% 24
At the interior of the network	8.05% 7
At the border and the interior of the network	62.07% 54
We maintain an open network	0.00% 0
Other (please specify)	2.30% 2
Total	87

#	Other (please specify)	Date
1	In front of select hosts/networks where the responsible party for those hosts/networks require that level of filtering.	4/8/2016 4:00 PM
2	If you include servers and workstation Firewalls, all of the above	4/8/2016 10:03 AM

Q5 Who manages the day to day configuration of your firewalls?

Answered: 87 Skipped: 0

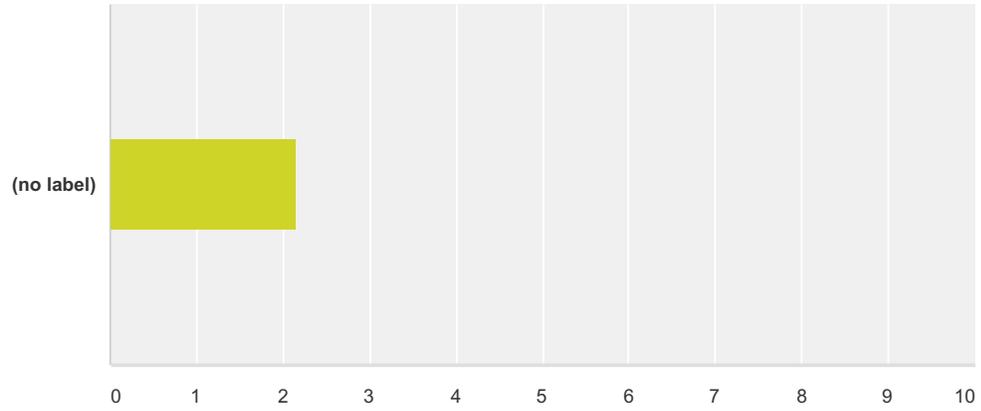


Answer Choices	Responses
Security	16.09% 14
Networking	70.11% 61
Other (please specify)	13.79% 12
Total	87

#	Other (please specify)	Date
1	Networking - we do not have a Security group	4/11/2016 10:52 AM
2	me.. I do both. =(4/11/2016 10:04 AM
3	Operated by Networking and the customer with input from Security.	4/8/2016 4:00 PM
4	Security and Networking	4/8/2016 10:47 AM
5	Security and Networking are the same at the moment	4/8/2016 10:07 AM
6	Networking and security and one and same groups here	4/8/2016 10:03 AM
7	Shared responsibility between Security & Networking	4/8/2016 9:56 AM
8	servers and virtualization team	4/8/2016 9:41 AM
9	Security reviews rules, Networking applies rules	4/8/2016 9:24 AM
10	Networking for internal firewalls, security for border	4/8/2016 9:13 AM
11	Requests are run through an approval process in the security group, and then the actual configuration is done by Networking	4/8/2016 8:13 AM
12	Operations	4/8/2016 5:46 AM

Q6 At your institution, Security places a high importance on maintaining excellent customer service

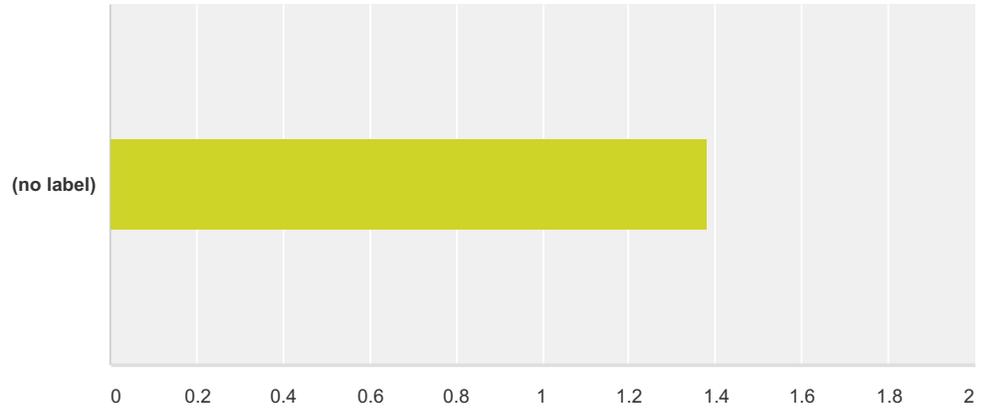
Answered: 86 Skipped: 1



	Strongly Agree	Somewhat Agree	Neutral	Somewhat Disagree	Strongly Disagree	Total	Weighted Average
(no label)	33.72% 29	29.07% 25	25.58% 22	10.47% 9	1.16% 1	86	2.16

Q7 At your institution, Networking places a high importance on maintaining excellent customer service

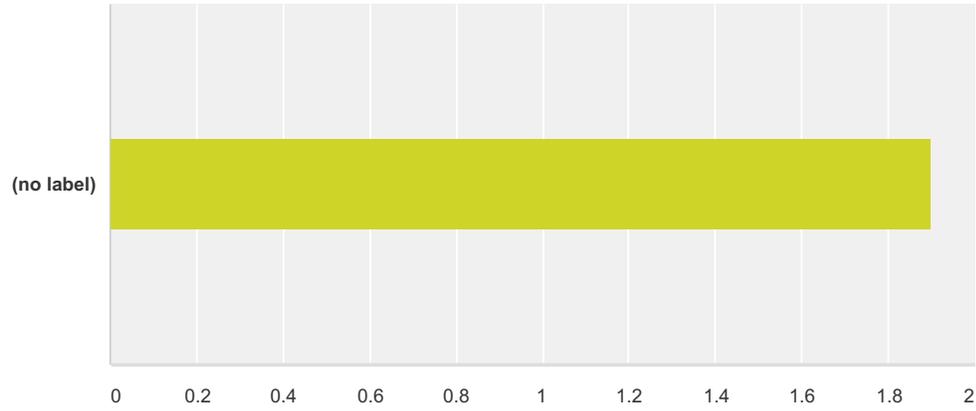
Answered: 87 Skipped: 0



	Strongly Agree	Somewhat Agree	Neutral	Somewhat Disagree	Strongly Disagree	Total	Weighted Average
(no label)	67.82% 59	27.59% 24	3.45% 3	1.15% 1	0.00% 0	87	1.38

Q8 At your institution, Networking and Security work well together to balance security needs with connectivity requirements

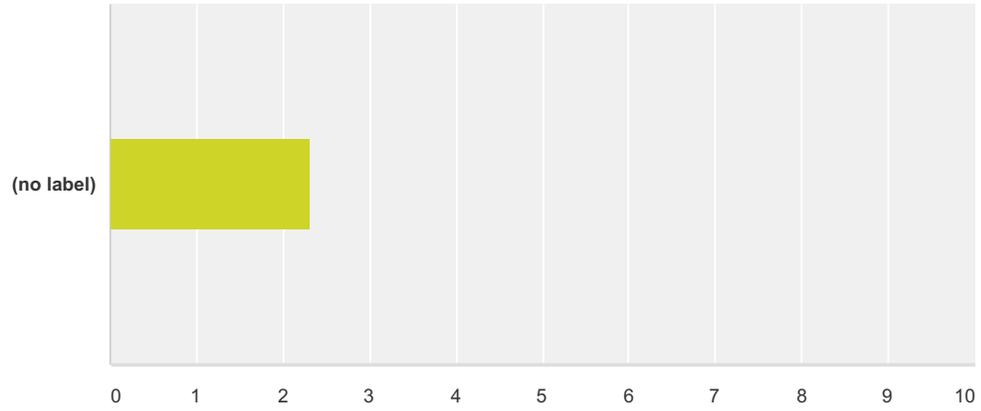
Answered: 86 Skipped: 1



	Strongly Agree	Somewhat Agree	Neutral	Somewhat Disagree	Strongly Disagree	Total	Weighted Average
(no label)	44.19% 38	32.56% 28	15.12% 13	5.81% 5	2.33% 2	86	1.90

Q9 At your institution, an efficient workflow has been established to identify firewall issues and send those issues directly to the group that manages the firewall

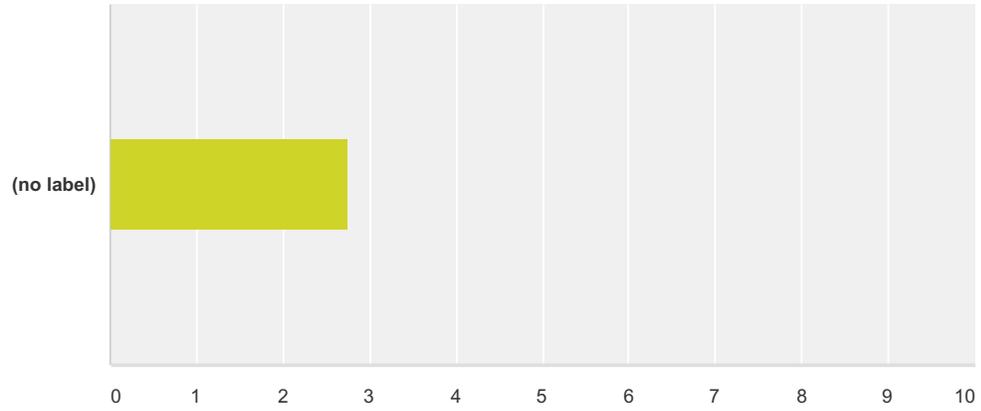
Answered: 86 Skipped: 1



	Strongly Agree	Somewhat Agree	Neutral	Somewhat Disagree	Strongly Disagree	Total	Weighted Average
(no label)	25.58% 22	43.02% 37	11.63% 10	13.95% 12	5.81% 5	86	2.31

Q10 Upper management has rational expectations of the effectiveness of a firewall to mitigate security threats

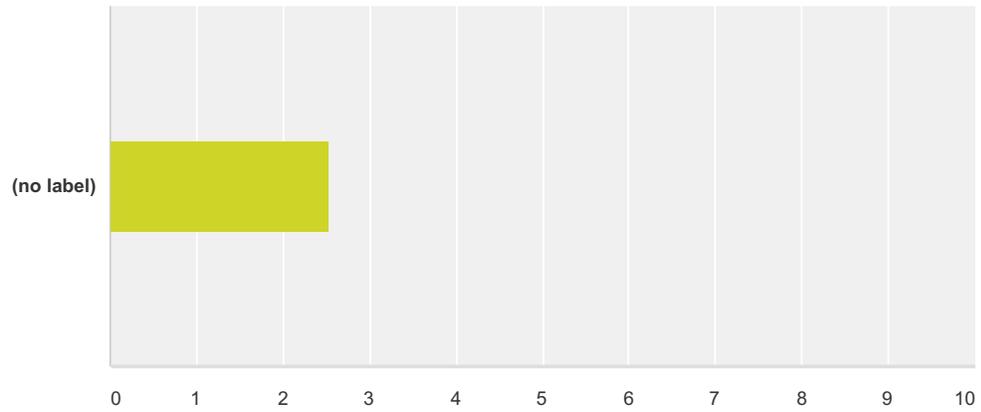
Answered: 85 Skipped: 2



	Strongly Agree	Somewhat Agree	Neutral	Somewhat Disagree	Strongly Disagree	Total	Weighted Average
(no label)	17.65% 15	30.59% 26	21.18% 18	20.00% 17	10.59% 9	85	2.75

Q11 Your users have a positive view of campus firewalls

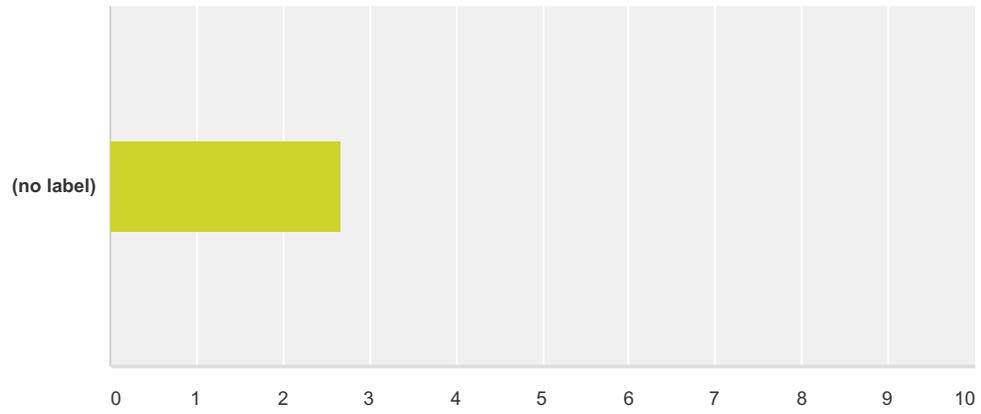
Answered: 85 Skipped: 2



	Strongly Agree	Somewhat Agree	Neutral	Somewhat Disagree	Strongly Disagree	Total	Weighted Average
(no label)	10.59% 9	35.29% 30	37.65% 32	12.94% 11	3.53% 3	85	2.53

Q12 How impactful are firewalls to you and IT support staff?

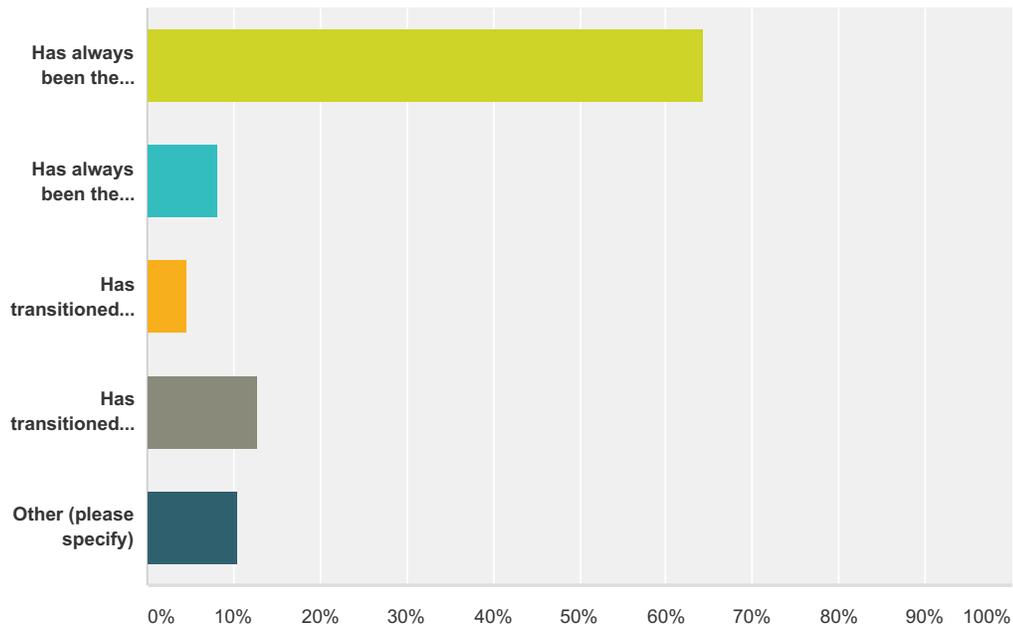
Answered: 87 Skipped: 0



	Extremely Impactful	Very Impactful	Moderately Impactful	Somewhat Impactful	Not Impactful	Total	Weighted Average
(no label)	20.69% 18	24.14% 21	29.89% 26	18.39% 16	6.90% 6	87	2.67

Q13 Day to day management of the firewall

Answered: 87 Skipped: 0



Answer Choices	Responses
Has always been the responsibility of Networking	64.37% 56
Has always been the responsibility of Security	8.05% 7
Has transitioned from Security to Networking	4.60% 4
Has transitioned from Networking to Security	12.64% 11
Other (please specify)	10.34% 9
Total	87

#	Other (please specify)	Date
1	Networking - we do not have a Security group	4/11/2016 10:52 AM
2	Operated by Networking and the customer with input from Security.	4/8/2016 4:00 PM
3	With NGFW both teams manage the firewalls depending on what is need to be done.	4/8/2016 1:08 PM
4	Keeps transitioning back and forth depending on management.	4/8/2016 11:15 AM
5	Network and Security are the same entity here.	4/8/2016 10:07 AM
6	transitioned from security to servers group	4/8/2016 9:41 AM
7	transitioned from networking only to shared	4/8/2016 9:24 AM
8	Has transitioned from Infrastructure Management (Servers) to Networking	4/8/2016 5:58 AM
9	Moves between Networks and Ops over time.	4/8/2016 5:46 AM

Q14 If you have any comments that you think may shed some additional light on this topic, please feel free to do so here.

Answered: 33 Skipped: 54

#	Responses	Date
1	In the migration path of firewalls going from Network to Security Group.	4/11/2016 2:58 PM
2	Our results may be somewhat negligible because the people who handle networking are the same people who handle security.	4/8/2016 12:41 PM
3	Given our size (around 7k FTE) security duties are spread across networking and sys admins.	4/8/2016 12:12 PM
4	Networking handles the global configuration (ip addressing, redundancy, etc...) and gets it operational on the network. Security team handles daily policy changes and connectivity troubleshooting. This transition happened within the last year, previously networking handled it all. This was a great move in my opinion. We firewall in front of datacenter and many other locations, we have IPS at Internet edge that is mostly open to campus.	4/8/2016 12:03 PM
5	Referencing question 3, I'm not convinced that network needs to manage the firewalls, but on our campus, security focuses more on policy rather than implementation/operation. I could be convinced otherwise if the technical expertise existed within the security group.	4/8/2016 11:28 AM
6	Our Security team has always managed firewalls, but as a networking person it would be helpful to have some access to the firewall for network troubleshooting. That would include ARP, IP routes, ability to ping/traceroute from the FW, etc.	4/8/2016 11:28 AM
7	The main problem is debugging more esoteric issues, like DHCP relay source port changes, UDP stream packet loss etc.	4/8/2016 11:15 AM
8	Security should not be isolated from the service they are securing from a project perspective. Security should provide guidance to service owners. Service owners should implement policy and security should verify correct implementation.	4/8/2016 10:47 AM
9	Smaller colleges will likely combine networking with security. Your questions should reflect that option.	4/8/2016 10:07 AM
10	The architects and others with high needs for changes have rights to make changes to the policies.	4/8/2016 10:04 AM
11	We haven't had anyone who's main focus was security on the network, we're not very restrictive but btwn the IDS and the FW, we try to keep the obvious bad things out, and for the most part it has gone unnoticed by the community.	4/8/2016 10:04 AM
12	I feel your survey does not address that fact that at some colleges of 2500 or less, the group that does all of the networking, also manages everything related to security. Same people. This fact made most of the questions difficult to answer, so perhaps disregard them?	4/8/2016 10:03 AM
13	Firewall rules . . . their maintenance (adding and removing based on departmental needs) does indeed fall within the hands of networking. The periodic review of the firewall rules falls into the hands of security. Each rule is subject to this internal audit. Rules are owned by the departments that they protect. We have a medical school on our campus. We maintain HIPAA data. The management team of our clinics are supportive of the restrictive nature of firewall rules because of the protection they give. They also depend on the security team to audit these rules and make sure they provide the security that is required.	4/8/2016 9:50 AM
14	We do not have a real separation between Security and Networking: there are two people in the combined area, and we both do both functions. That said, as Director of Servers and Networks I determine security policy, and the Network Administrator, who reports to me, implements that policy in the firewall configuration.	4/8/2016 9:50 AM
15	Administration and audit of firewalls need to be handled by separate teams to avoid a conflict of interest and provide balance. Ultimately, trouble tickets for internet & host connectivity land with the networking team. In our environment, security does not administer any services like firewalls, they are more administrative and investigative.	4/8/2016 9:44 AM
16	Security sets policies, networking implements. But networking has good input to policies.	4/8/2016 9:43 AM
17	We are a small school with limited staff. Our network and security staff are one in the same. Ultimately I think management of firewalls needs to be a collaborative effort between networking and security or have a couple admins who have deep knowledge of both topics.	4/8/2016 9:34 AM
18	Security and networking are in the same operations group under the same manager.	4/8/2016 9:26 AM

19	As a smaller institution we don't really have the separation as larger IT departments. There are 2 of that manage all things networking. route/switch/wireless/phones/firewalls. If we were larger and had separate groups within the networking area I may have answered differently.	4/8/2016 9:23 AM
20	Network and security is an integrated group here. But, as the person who handles networking and the person who handles security is different, the survey is still applicable to our environment.	4/8/2016 9:14 AM
21	Relatively small institution, so the borders between networking, systems, and security are quite porous and fluid. In the case of firewall management, that can be an advantage.	4/8/2016 9:13 AM
22	I'm a pretty small shop. I am the director of Infrastructure and I have 2 employees. A systems admin and network technician. Myself and the network technician are the only ones who can make modifications to the border firewall.	4/8/2016 8:55 AM
23	If security manages the FW, and blocks services, it comes back to networking, not security. We are facing this same issue on our campus.	4/8/2016 8:32 AM
24	we are from a small college so the network and security people are pretty much the same people	4/8/2016 8:11 AM
25	We have Cisco ASA's (for VPN, and future use of SGT's), Juniper SRX for inter-VRF connectivity, and for campus to internet connectivity, as well as Palo Alto's for IDS/IDP. Defense in depth, indeed.	4/8/2016 8:00 AM
26	Networking has maintained the border and interior firewalls. The Data Center firewall transitioned from security to networking.	4/8/2016 7:18 AM
27	In our university college network and security is 1 team (only 4 people), so i'm doing both network and security	4/8/2016 2:56 AM
28	We have no security office! :O	4/8/2016 12:59 AM
29	Security provides heavy recommendations on what phishing and spam sites need to be blocked by the firewalls, networking configures those recommendation. Our networking person, has been educated on usage and purpose of our dmz's and forces the server teams in to the correct dmzs	4/8/2016 12:51 AM
30	Our security folks have ridiculous policies and don't understand that manageable security groups/zones would keep things more secure than a million uber-granule policies that are too difficult to ever get implemented.	4/8/2016 12:31 AM
31	In our shop, Info Sec and Network both report up to the CISO so its been easy for us to collaborate efficiently.	4/7/2016 11:51 PM
32	I hate Cisco CX.	4/7/2016 11:23 PM
33	Networking and Security have not worked together in the past or the present. Networking is currently making decisions that should be clear via policies from Security.	4/7/2016 10:19 PM