



2nd Watch Survey:

CLOUD SECURITY

SQ

TYPE: SINGLE SELECTION

Which of the following sentences best describes you?

#	ANSWERS	PERCENT	COUNT
A1	I work outside of IT in a company of less than 1,000 employees	0.00%	0
A2	I work outside of IT in a company of more than 1,000 employees	0.00%	0
A3	I work as an IT Manager or Director in a company of less than 1,000 employees	0.00%	0
A4	I work as an IT Manager or Director in a company of more than 1,000 employees	100.00%	1,000

TOTAL UNIQUE RESPONDENTS 1000

Q1

TYPE: SINGLE SELECTION

Are you already on the public cloud or planning to migrate to the public cloud (AWS, Azure, Google)?

#	ANSWERS	PERCENT	COUNT
A1	Yes, already 100% cloud	41.40%	414
A2	Not on yet, but planning to fully adopt cloud	18.90%	189
A3	Planning to migrate but will still retain some on-premise capabilities	14.80%	148
A4	No plans to move to cloud	24.90%	249

TOTAL UNIQUE RESPONDENTS 1000

Q2

TYPE: SINGLE SELECTION

Which definition best fits your understanding of the public cloud shared security responsibility model?

#	ANSWERS	PERCENT	COUNT
A1	My apps and data are fully protected by the provider	39.50%	395
A2	Security is 100% my responsibility	33.80%	338
A3	The provider protects the infrastructure; I protect my apps and data	26.70%	267

TOTAL UNIQUE RESPONDENTS 1000

Q3

TYPE: SINGLE SELECTION

How many serious security attacks has your organization encountered in the last year?

#	ANSWERS	PERCENT	COUNT
A1	None	35.70%	357
A2	1-5	29.60%	296
A3	6-15	14.40%	144
A4	16-25	8.20%	82
A5	26-50	5.50%	55
A6	More than 50	6.60%	66

TOTAL UNIQUE RESPONDENTS 1000

Q4

TYPE: MATRIX, SINGLE SELECTION

In your public cloud environment, how able are you to:

#	ANSWERS	NOT AT ALL	VERY LITTLE	SOMEWHAT, BUT NOT COMPLETELY	COMPLETELY
A1	Identify apps/services operating	217 - (21.70%)	152 - (15.20%)	222 - (22.20%)	409 - (40.90%)
A2	Enforce app-level access control policy	158 - (15.80%)	182 - (18.20%)	263 - (26.30%)	397 - (39.70%)
A3	See/control file movement in app flow	156 - (15.60%)	170 - (17.00%)	261 - (26.10%)	413 - (41.30%)
A4	Block app flow vulnerabilities/malware	198 - (19.80%)	134 - (13.40%)	233 - (23.30%)	435 - (43.50%)

TOTAL UNIQUE RESPONDENTS 1000

Q5

TYPE: RATING STARS

How able are you to monitor, detect & remediate potential security incidents by a standard hacker/script kiddie/bot/etc?

#	ANSWERS	PERCENT	COUNT
A1	1	6.40%	64
A2	2	3.70%	37
A3	3	18.50%	185
A4	4	29.80%	298
A5	5	41.60%	416

TOTAL UNIQUE RESPONDENTS 1000

Q6

TYPE: RATING STARS

How able are you to prevent targeted, external attacks by a standard hacker/script kiddie/bot/etc?

#	ANSWERS	PERCENT	COUNT
A1	1	7.80%	78
A2	2	4.40%	44
A3	3	19.30%	193
A4	4	30.20%	302
A5	5	38.30%	383

TOTAL UNIQUE RESPONDENTS 1000

Q7

TYPE: RATING STARS

How able are you to prevent targeted, external attacks by a well-funded attacker?

#	ANSWERS	PERCENT	COUNT
A1	1	8.50%	85
A2	2	7.50%	75
A3	3	18.20%	182
A4	4	27.80%	278
A5	5	38.00%	380

TOTAL UNIQUE RESPONDENTS 1000

Q8

TYPE: RATING STARS

How able are you to prevent an opportunistic breach launched by a company insider?

#	ANSWERS	PERCENT	COUNT
A1	1	8.40%	84
A2	2	5.80%	58
A3	3	19.30%	193
A4	4	26.60%	266
A5	5	39.90%	399

TOTAL UNIQUE RESPONDENTS 1000

Q9

TYPE: SINGLE SELECTION

Do you have an active intrusion detection (IDS) and an active intrusion prevention (IDP) capability for your public cloud infrastructure?

#	ANSWERS	PERCENT	COUNT
A1	Yes, both are currently installed	47.70%	477
A2	No, but we plan to install them within 6 months	23.20%	232
A3	No, but we plan to install them within 6-12 months	9.30%	93
A4	No plans to install these	19.80%	198

TOTAL UNIQUE RESPONDENTS 1000

Q10

TYPE: MULTIPLE SELECTION

What general approach have you adopted for public cloud infrastructure security?

#	ANSWERS	PERCENT	COUNT
A1	Network-based	27.58%	334
A2	Host-based	16.76%	203
A3	Application-based (WAF)	15.77%	191
A4	Next Generation Firewall (NGFW)	17.18%	208
A5	I don't know	9.74%	118
A6	None of the above	12.96%	157

TOTAL UNIQUE RESPONDENTS 1000

Q11

TYPE: SINGLE SELECTION

Do you monitor and analyze inbound and outbound traffic to prevent data exfiltration?

#	ANSWERS	PERCENT	COUNT
A1	Yes, currently doing so	51.20%	512
A2	No, but plan to do this within 6 months	14.70%	147
A3	No, but plan to do this in next 6-12 months	11.20%	112
A4	No plans to do so	22.90%	229

TOTAL UNIQUE RESPONDENTS 1000

Q12

TYPE: SINGLE SELECTION

What percentage of your internal traffic is encrypted?

#	ANSWERS	PERCENT	COUNT
A1	0-25%	21.40%	214
A2	26-50%	24.00%	240
A3	51-75%	28.60%	286
A4	76-100%	26.00%	260

TOTAL UNIQUE RESPONDENTS 1000

Q13

TYPE: MULTIPLE SELECTION

Where is your IT infrastructure based?

#	ANSWERS	PERCENT	COUNT
A1	On-Premise	29.85%	334
A2	Private datacenter(s)	28.33%	317
A3	One public cloud provider (e.g. AWS or Azure)	22.70%	254
A4	Multiple public cloud providers (e.g. AWS and Azure)	19.12%	214

TOTAL UNIQUE RESPONDENTS 1000

Q14

TYPE: SINGLE SELECTION

Are you able to manage your security policies consistently across all portions of your network (i.e. premise and cloud are managed with the same policies)?

#	ANSWERS	PERCENT	COUNT
A1	Yes, currently doing so	52.10%	521
A2	No, but planned within 6 months	17.90%	179
A3	No, but planned in next 6-12 months	9.70%	97
A4	No, I use different vendors for each	10.70%	107
A5	My IT infrastructure is based in only 1 location	9.60%	96

TOTAL UNIQUE RESPONDENTS 1000

Q15

TYPE: SINGLE SELECTION

Is your security solution capable of preventing APTs (aka Zero Day) attacks that use application files as breach vector?

#	ANSWERS	PERCENT	COUNT
A1	Yes, currently doing so	48.80%	488
A2	No, but planned within 6 months	18.60%	186
A3	No, but planned in next 6-12 months	10.80%	108
A4	No plans to do so	21.80%	218

TOTAL UNIQUE RESPONDENTS 1000