OCEAN OUTCOMES
Fish | Food | Livelihoods

Simple low-budget and low-tech steps to ensure security for a virtual workforce

Perry Broderick

23 September 2019

PollEv.com/perryb188

Agenda:

Speak about O2

Cloud services and nonprofits

Best practices in cloud services use

Goals:

Leverage O2 experience as a fully transparent case study

Review of best practices in cloud services security

Generate enthusiasm towards improving security

How would you describe your organization's IT environment and its security?

ⓘ Poll is full and no longer accepting responses

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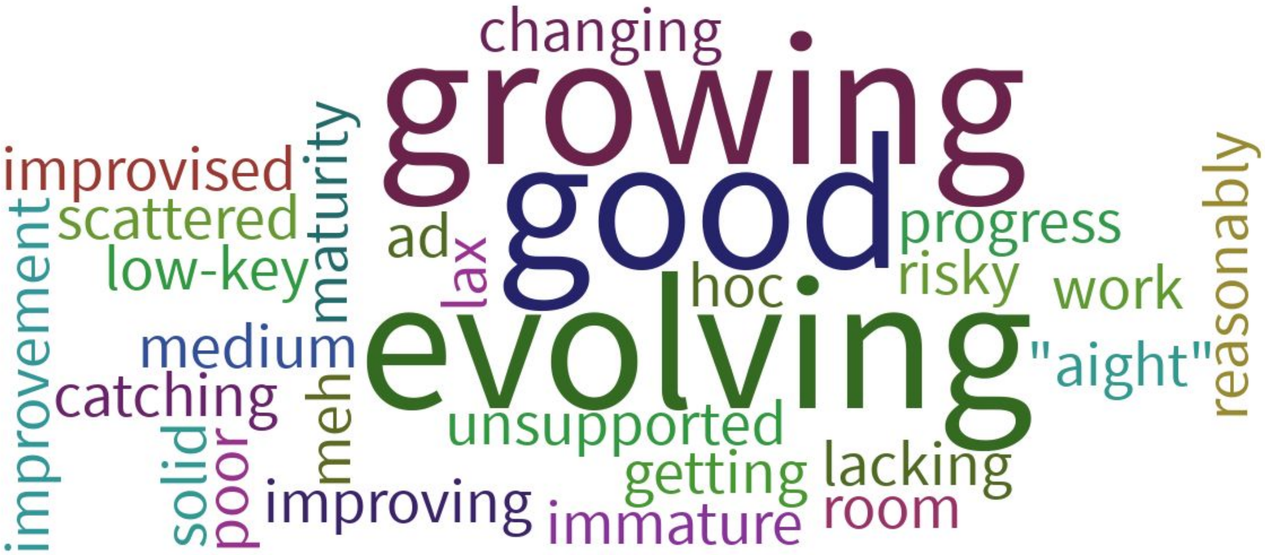

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OCEAN OUTCOMES

SUSTAINABLE FISHERIES

100% VIRTUAL

100% BYOD

16 USERS IN 7 COUNTRIES

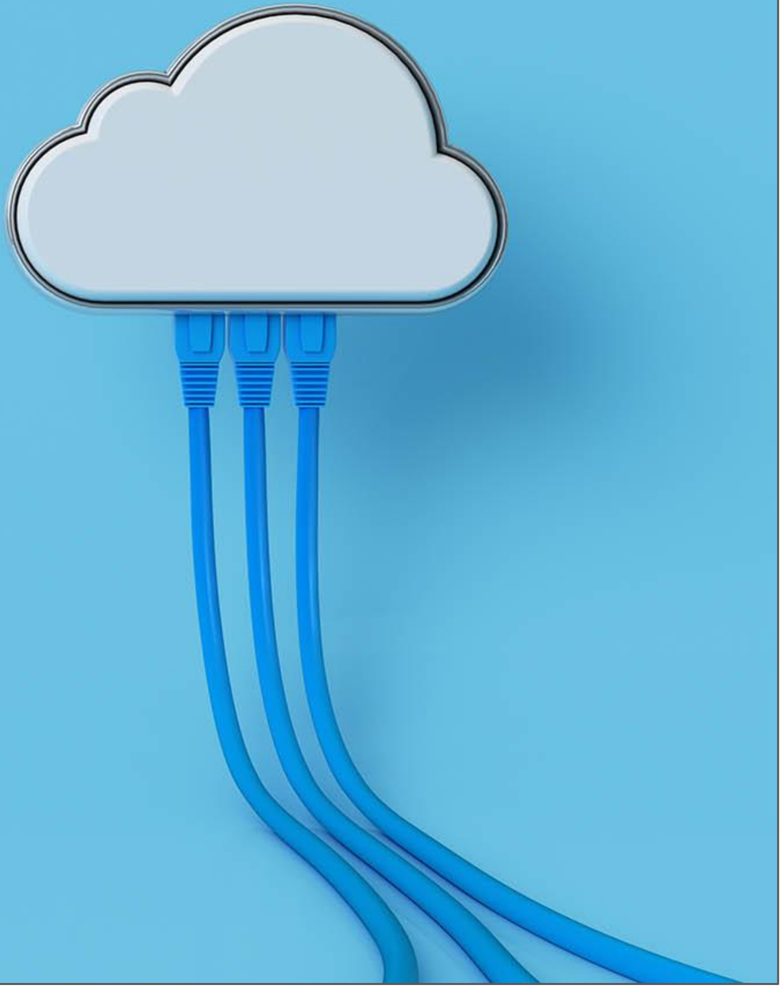
$3 MILLION

.25 FTE AND ~$10,000 FOR IT

More than 90% of nonprofit organizations are using cloud computing today

Half of them are using multiple cloud services

92% allow staff to access organizational data on personal devices



Which cloud services platform does your organization primarily use?

G Suite

Office 365

Box

Zoho

Private/other

My organization doesn't use the cloud

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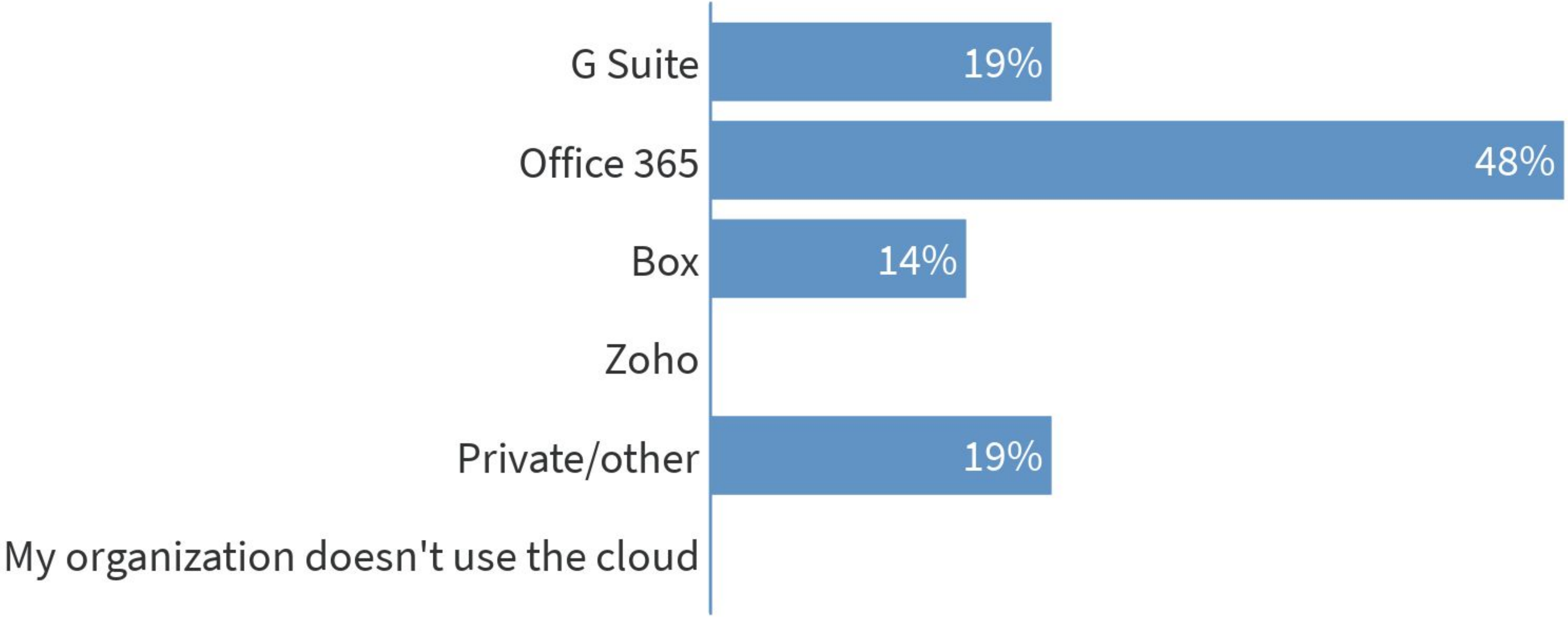

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1. Affordable, scalable
2. Secure, current
3. Efficient, reliable
4. Accessible

1. Sprawl
2. Control, oversight
3. Compliance
4. Security, privacy

OCEAN OUTCOMES

O2 Internet Technology Acceptable Use Policy

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Does your organization have a strong and vetted IT policy?

Yes

No

Maybe?

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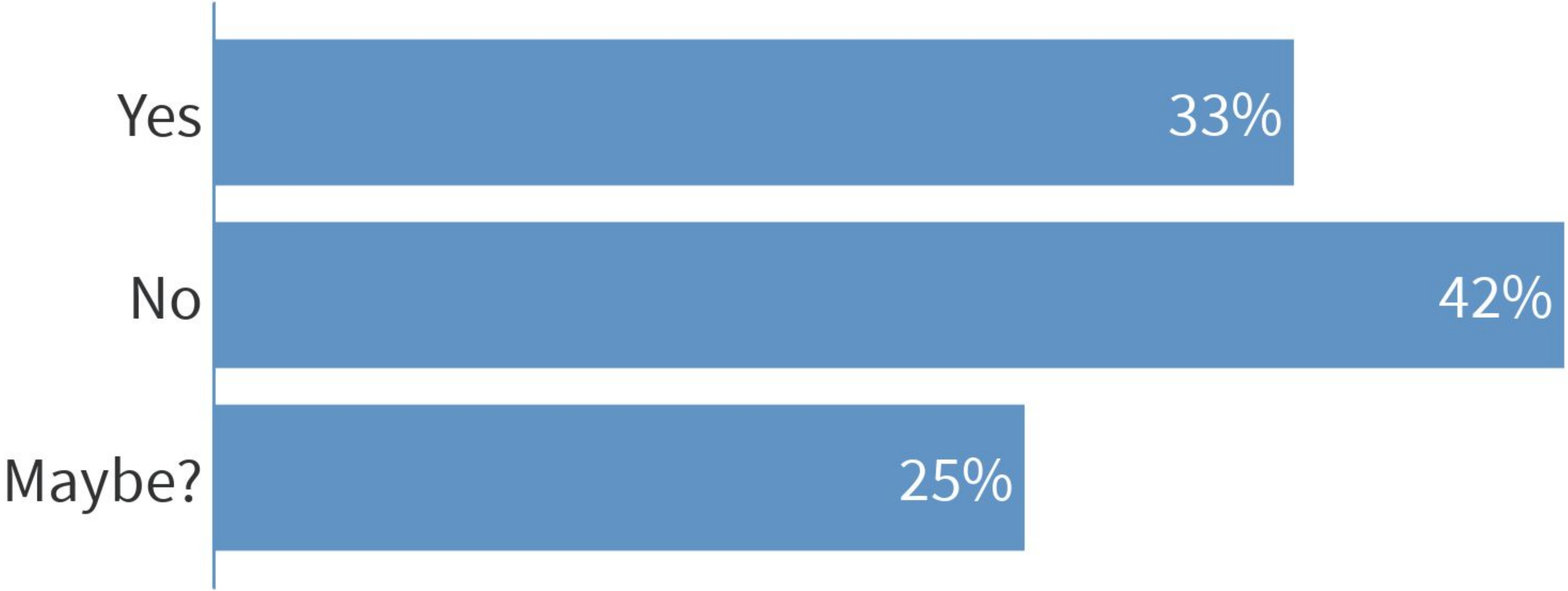

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OCEAN OUTCOMES

O2 Internet Technology Acceptable Use Policy

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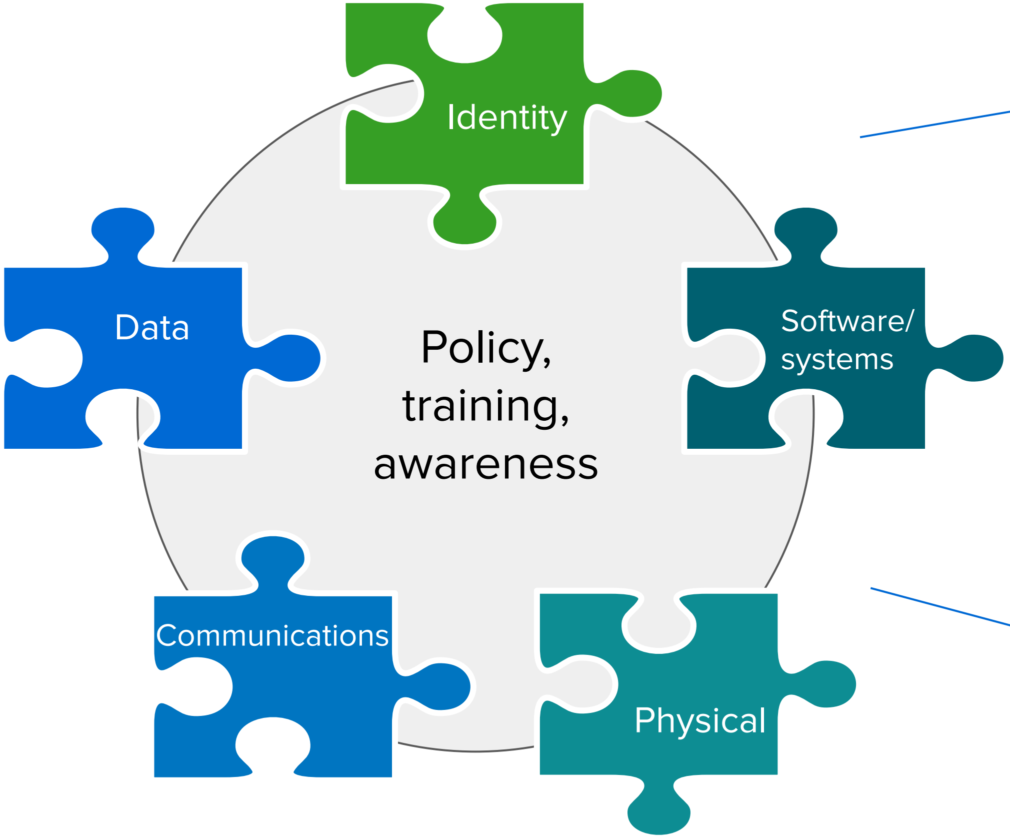
SECURITY AREAS AND BEST PRACTICES



1. Security area overview and objective
2. Best practices at and/or for Ocean Outcomes
3. Audience poll

DATA SECURITY

Ensure data can’t be lost, aren’t intentionally or accidentally put somewhere unsafe, and aren’t exposed to untrusted or unwanted parties.

BEST PRACTICES

- Redundancy
  - ✓ Third-party backup
- Procedural documentation
  - ✓ Process templates
- Data loss prevention/monitoring
  - ✓ Permissions monitoring

How many of these data security best practices (redundancy, procedural documentation, and data loss prevention/monitoring) are in place at your organization?

Total Results: 0

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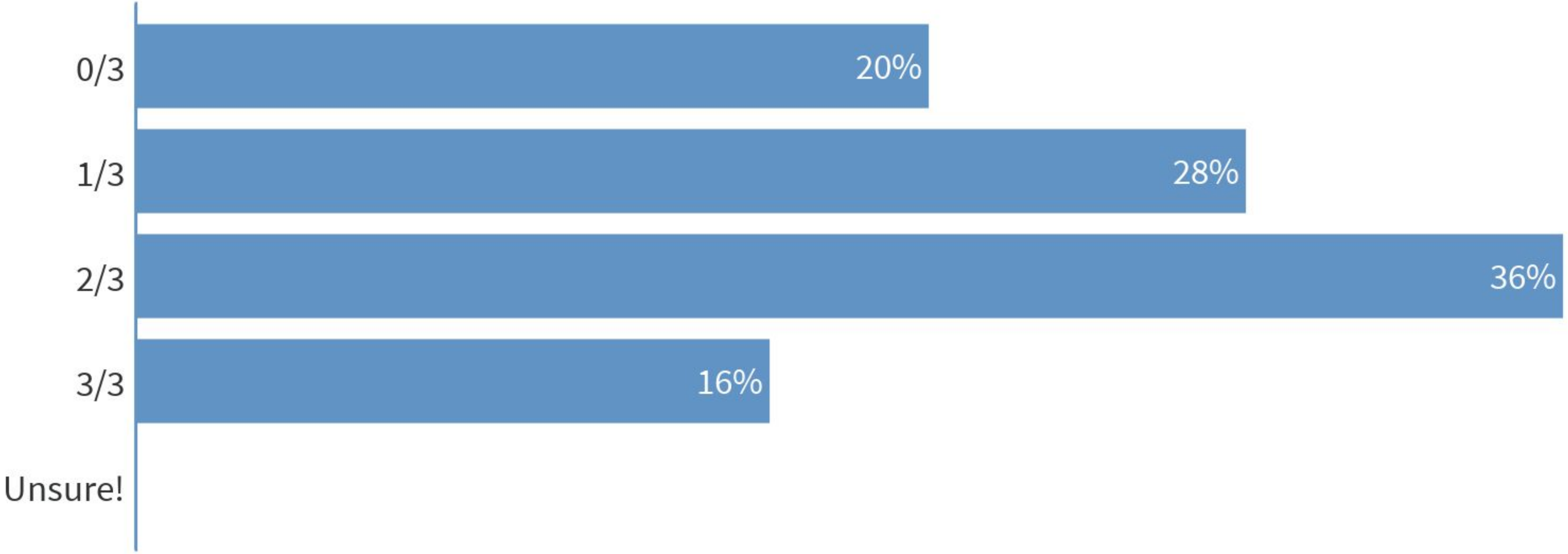

Total Results: 25

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IDENTITY SECURITY

Ensure only the right people are access data and systems, and that it’s always possible to know who is accessing what.

BEST PRACTICES

- User authentication
  - ✓ 2FA or MFA
- Password management
  - ✓ Password storing/sharing software
- Login alerts/monitoring
  - ⚠ …
- Succession plan
  - ⚠ …

How many of these identity security best practices (MFA, password manager, login alerts/monitoring, and succession plan) are in place at your organization?

Total Results: 0

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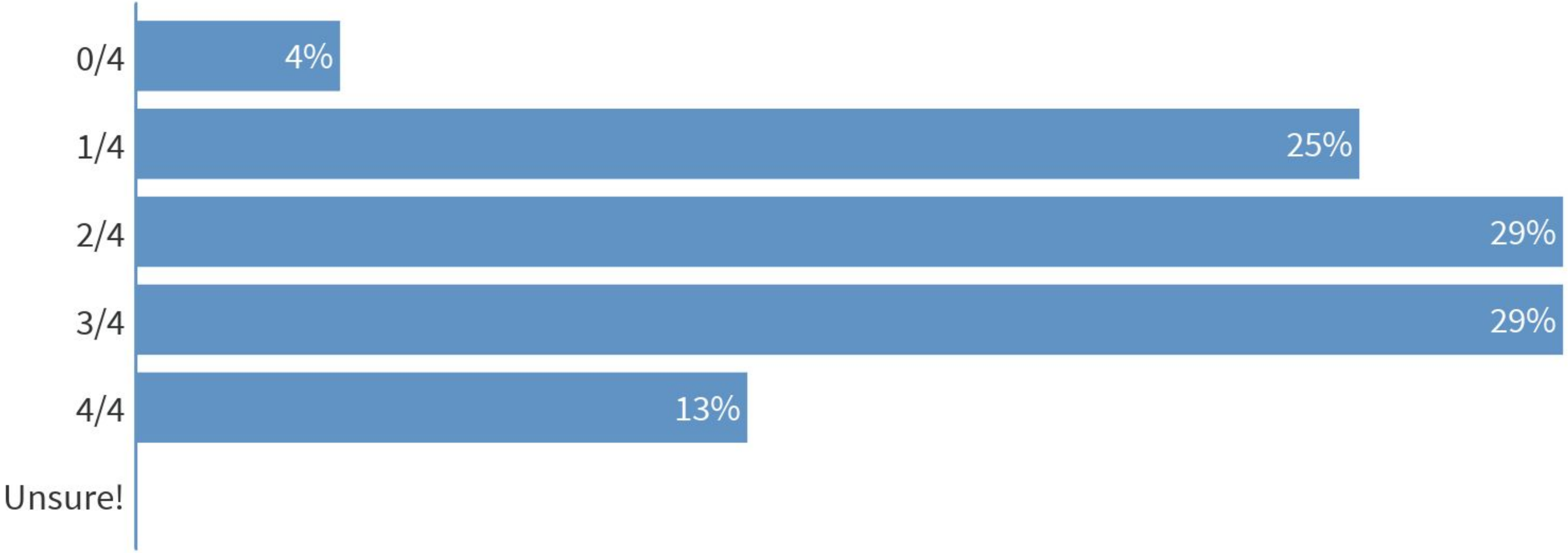

Total Results: 24

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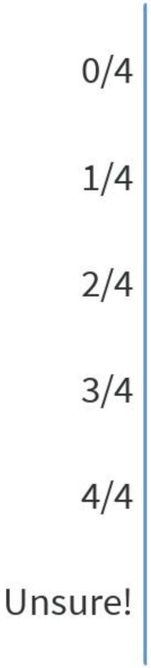
COMMUNICATIONS SECURITY

Protect data from being viewed or modified by untrusted parties and protect devices from external attacks.

BEST PRACTICES

- Firewall
  - ✓ Mandated, checked annually
- Virtual private network (VPN)
  - ✓ Mandated, configured at hire
- Website features
  - ⚠ ...
- DMARC and DKIM
  - ⚠ ...

How many of these communications security best practices (firewall, VPN, website features, and DMARK and DKIM) are in place at your organization?



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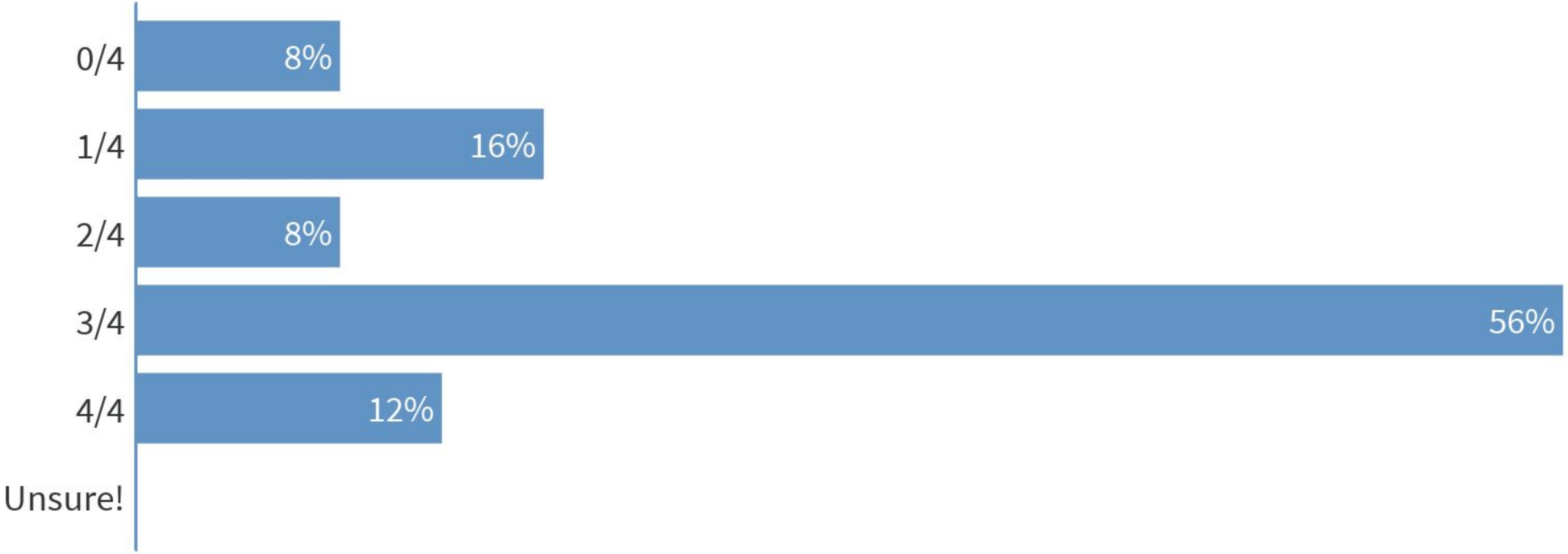

Total Results: 25

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SOFTWARE/SYSTEMS SECURITY

Maintain up-to-date software as first line of defense against exploits and malware, and to minimize risk when exposed to risky software, networks and websites.

BEST PRACTICES

- Software update requirements

  ✓ Mandated, checked annually

- Antivirus/malware

  ✓ Mandated, configured at hire

- Endpoint verification

  ⚠ ...

How many of these software/systems security best practices (software update requirements, antivirus/malware, and endpoint verification) are in place at your organization?

0/3
1/3
2/3
3/3
Unsure!

Total Results: 0

Start the presentation to see live content. Still no live content? Install the app or get help at **PollEv.com/app**

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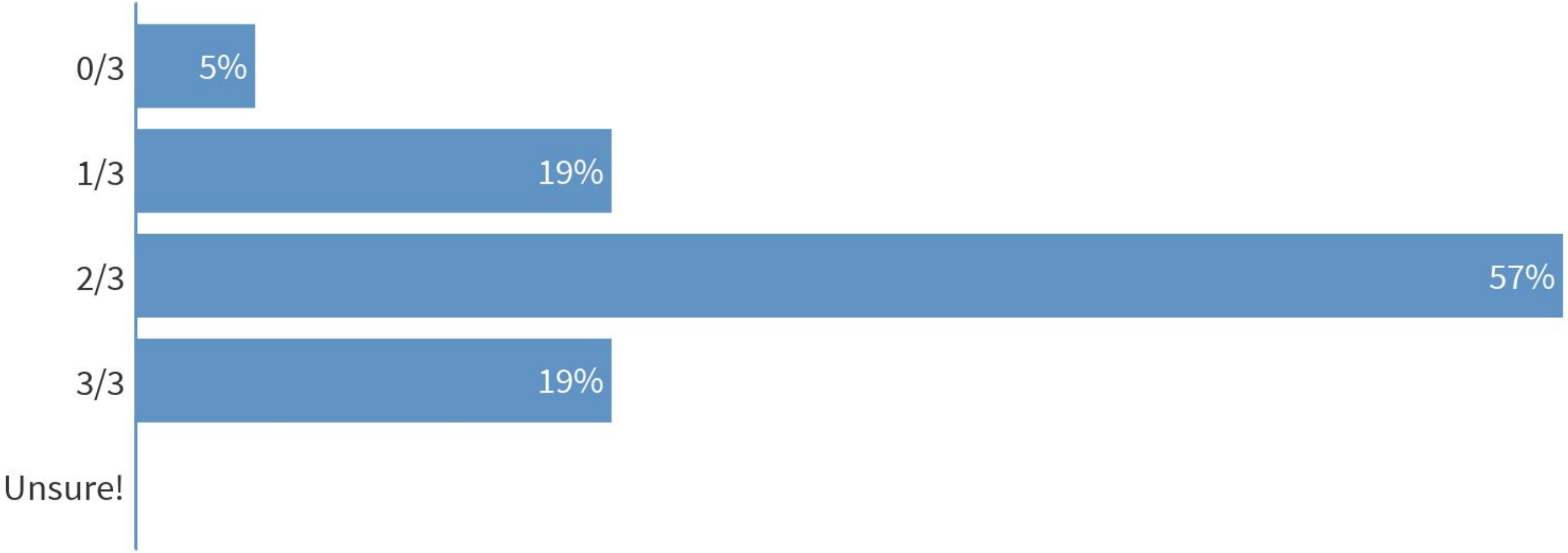

Total Results: 21

PHYSICAL SECURITY

Keep devices safe and ensure that device loss or theft will not endanger the organization.

BEST PRACTICES

- Device encryption

  ⚠ ...

- Mobile device management

  ✓ Review, approval, requirements

- Features restrictions

  ⚠ ...

How many of these physical security best practices (device encryption, mobile device management, and features restrictions) are in place at your organization?

0/3
1/3
2/3
3/3
Unsure!

Total Results: 0

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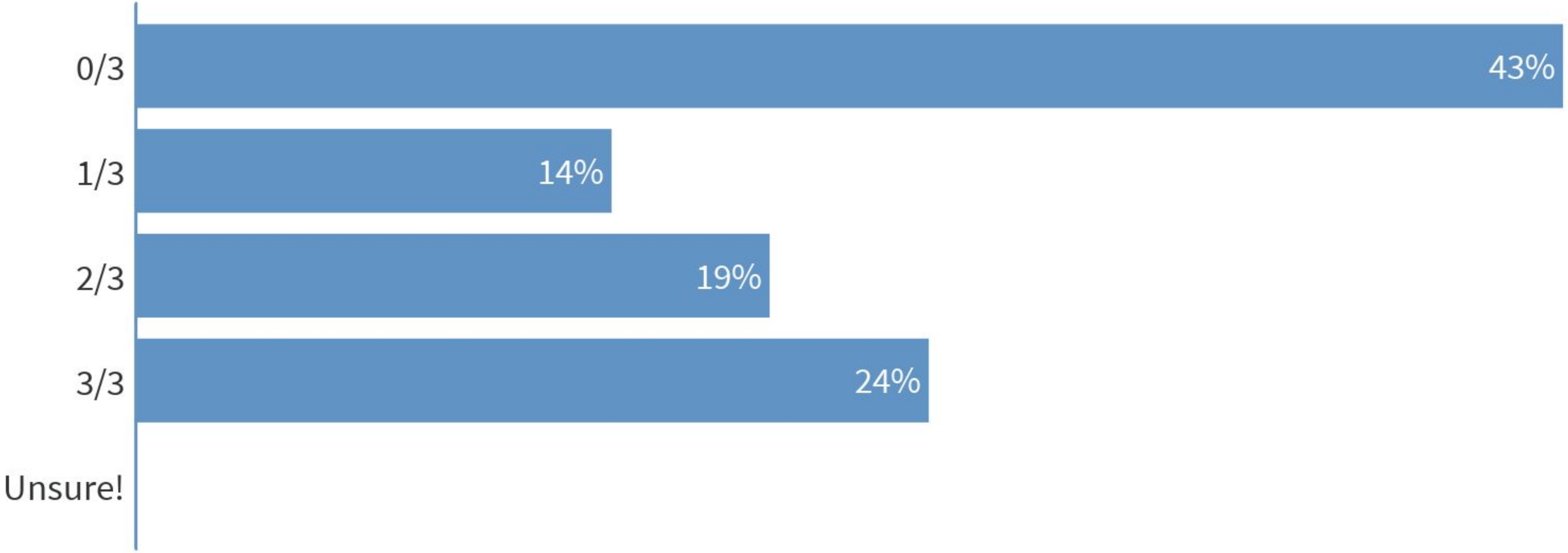

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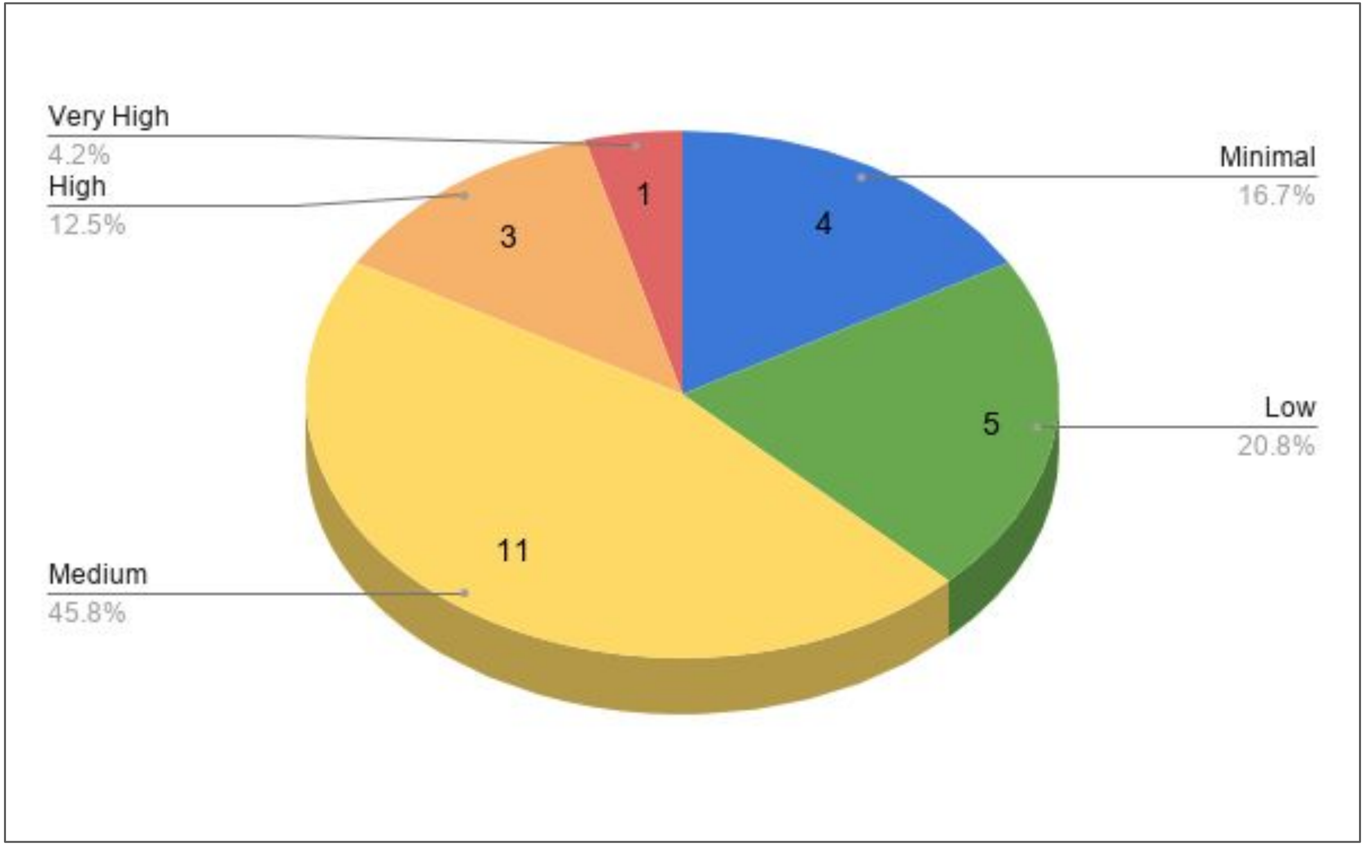
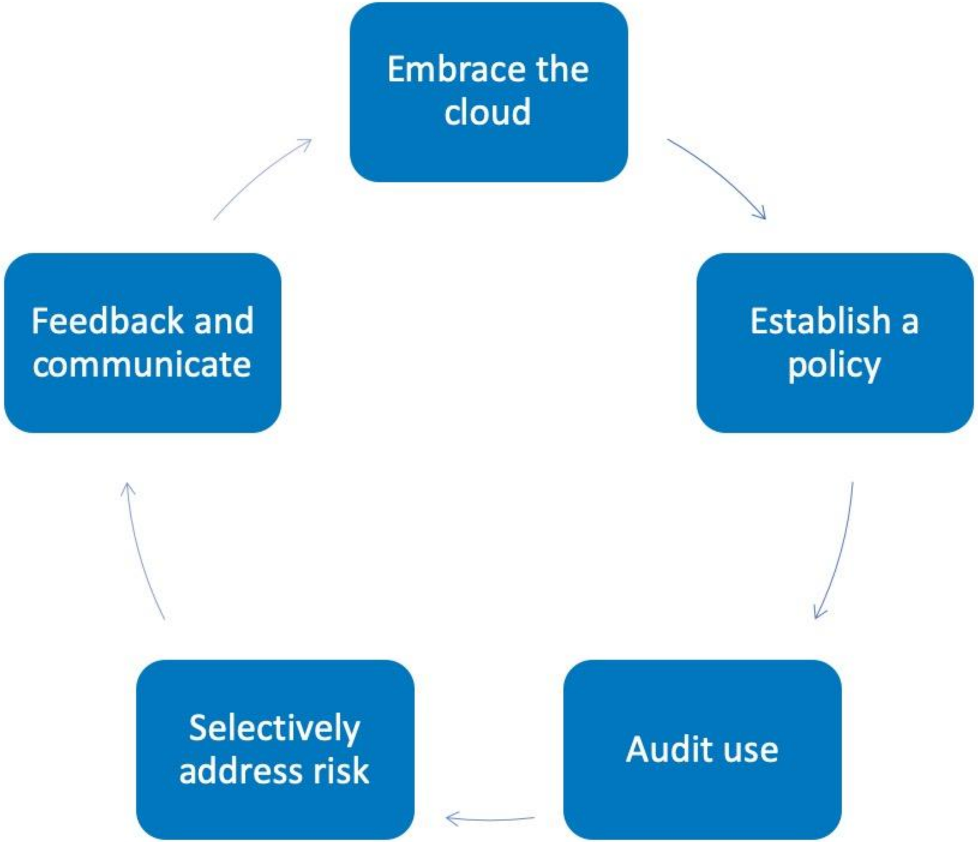
OCEAN OUTCOMES RISK ACROSS ALL SECURITY AREAS



TAKEAWAYS


Embrace the cloud
Establish a policy
Audit use
Selectively address risk
Feedback and communicate