



State of Oregon Continuity of Government -HB 2049

Threats Facing States and Local Government

2022 Emsisoft reports the following cyber events:

- Increase in ransomware in local government up from (77) in 2021
- Data stolen in (27) attacks
- (1) known govt entity paid ransom of \$55K
- 89 Education organizations impacted, largest being LAUSD solutions to support emerging threats
- Data exfiltrated in 65% of attacks against schools

2022 Reported ransomware events

- 106 local governments
- 44 universities and colleges
- 45 school districts operating 1,981 schools
- 25 healthcare providers operating 290 hospitals

SLG attacks by yr

- 2019: 113
- 2020: 113
- 2021: 77
- 2022: 106

Education attacks by yr

- 2019: 89
- 2020: 84
- 2021: 88
- 2022: 89

Threats Facing States and Local Government

2022 Deloitte - NASCIO Cybersecurity Study identified these top barriers for States to overcome:

- Legacy Infrastructure and solutions to support emerging threats
- Inadequate availability of cybersecurity professionals
- Inadequate cybersecurity staffing
- Decentralized IT and security infrastructure and operations
- Increasing sophistication of threats

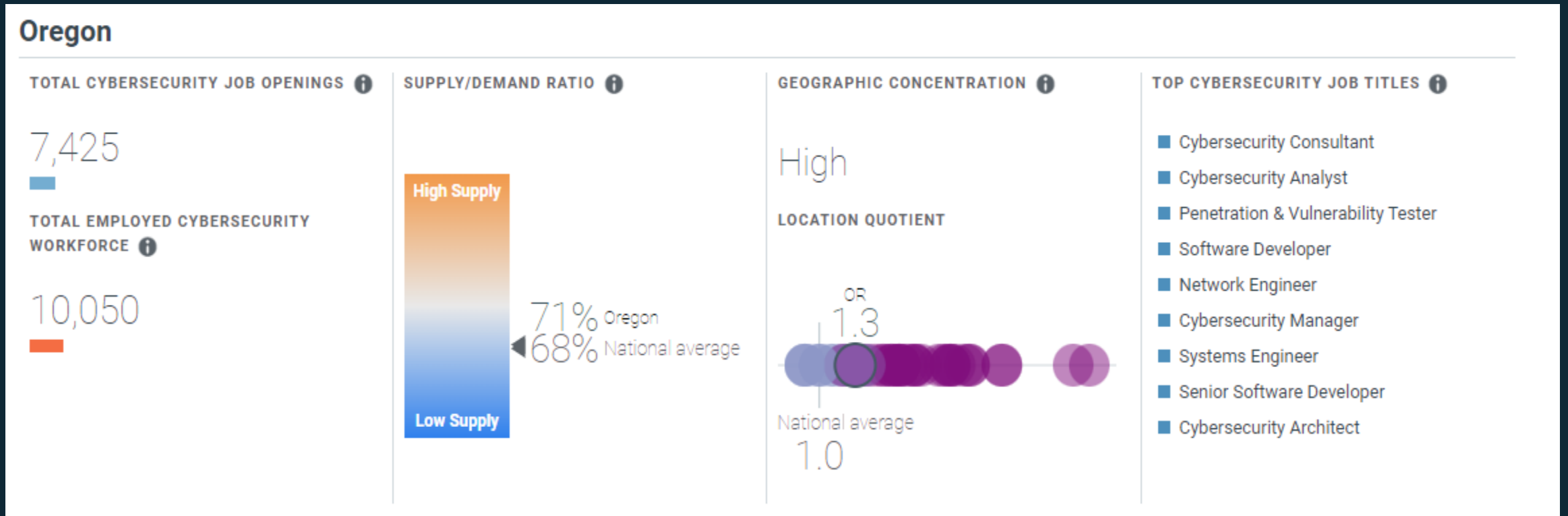
2020	2022
01 Lack of sufficient cybersecurity budget (46%)	01 Legacy infrastructure and solutions to support emerging threats (52%)
02 Inadequate cybersecurity staffing (42%)	02 Inadequate availability of cybersecurity professionals (50%)
03 Legacy infrastructure and solutions to support emerging threats (34%)	03 Inadequate cybersecurity staffing (46%)
04 Inadequate availability of cybersecurity professionals (28%)	04 Decentralized IT and security infrastructure and operations (38%)
04 Lack of dedicated cybersecurity budget (28%)	05 Increasing sophistication of threats (29%)

How AWS can support Oregon's cyber goals?

- Encourage collaboration and partnership
 - ✓ AWS has industry specialists with Federal, State/Local Government SME to participate in collaborative efforts and build trust, knowledge, skills and ability
- Support Local Government and Partners in becoming more secure
 - ✓ AWS offers no-cost end user cyber awareness training that can be leveraged statewide. Topics cover most pressing cyber threats such as phishing, social engineering, data protection etc.
- Leverage current expertise and invest in it
 - ✓ Workforce re-skilling through AWS free digital courses, classroom training and AWS certifications
- Increase Cybersecurity Workforce
 - ✓ AWS Academy provides higher education institutions with a free, ready-to-teach cloud computing curriculum



Oregon's Cyber Workforce Needs



Source: [Cyberseek.org/heatmap](https://cyberseek.org/heatmap)

How can we support Oregon's Cyber Goals

Largest ecosystem of security partners and solutions

Network & infrastructure security



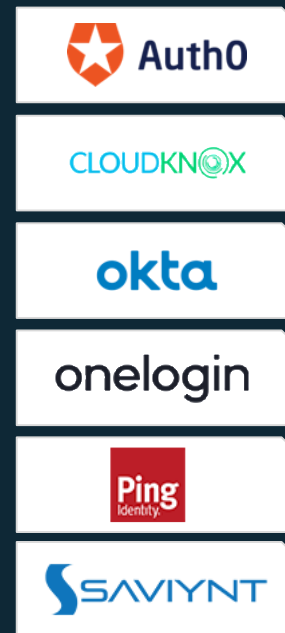
Host & endpoint security



Application security



Identity & access control



Vulnerability & configuration analysis



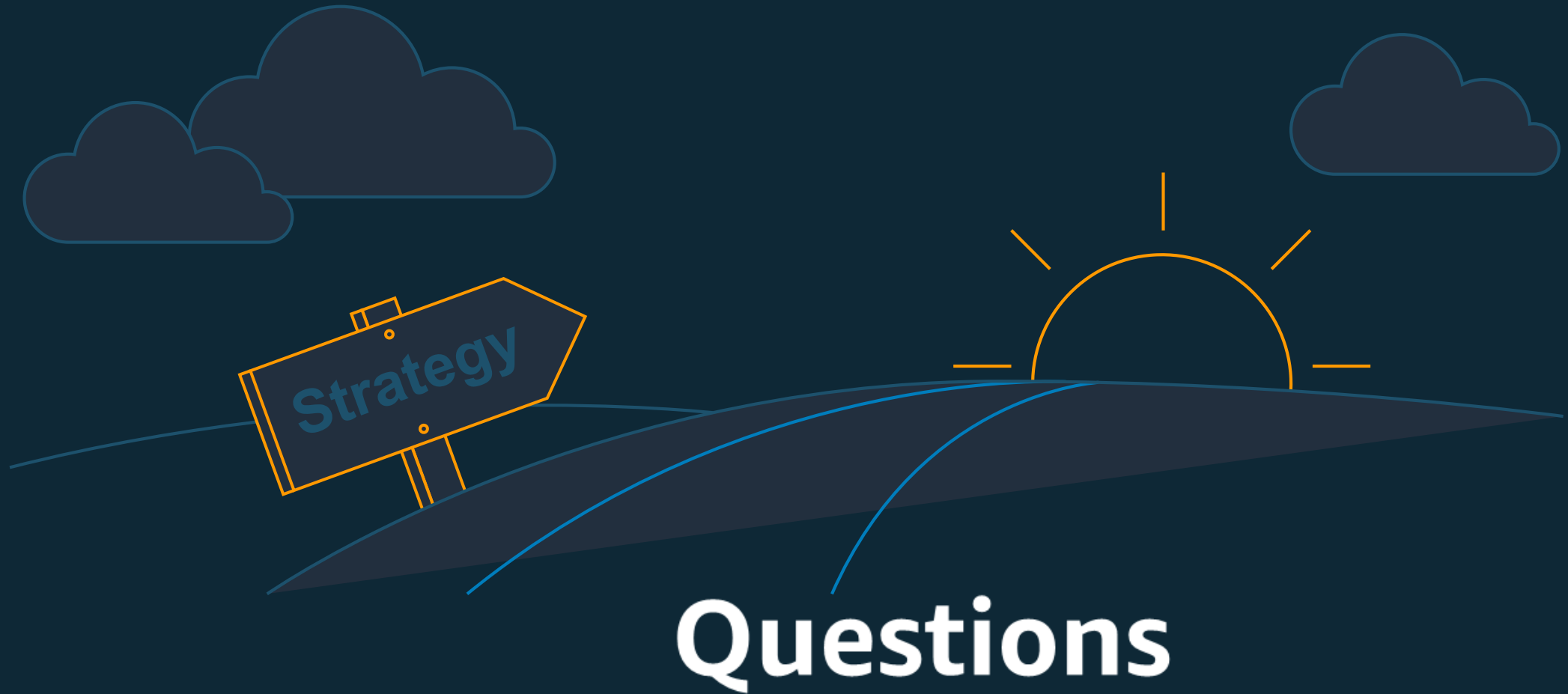
Data protection & encryption



Logging, monitoring, SIEM, threat detection, & analytics



It's not about the target but about the path you take



aws





Thank you!