## 程外代写代数 炒编程辅导

panies spend their budget on SIEM

? Directory Services/HRMS

How does their activity compare to their

· Has this user connected to these hosts before?

What privileges do they have?What groups do they belong to?

· What is their contact info.?

Who is this user?

peers/org?

What is their status?What is their role?

Is this an authorized process?What is it used for?

Have we seen this before from the user/peer/in the org?

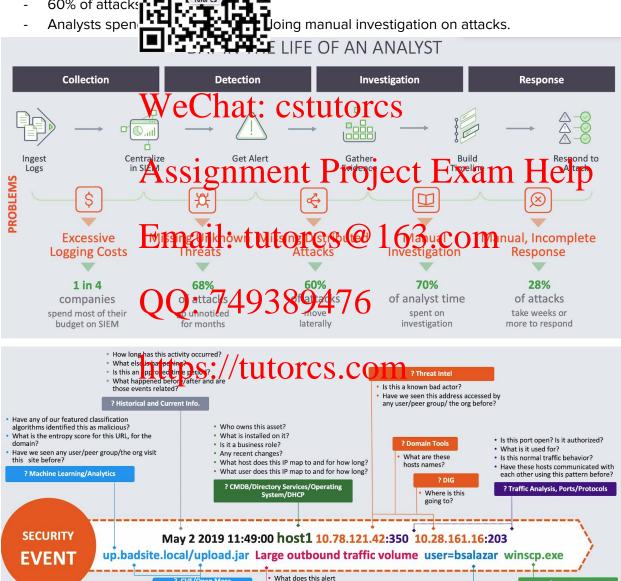
What is the file hash?
What phase in the cyber kill chain (install, action/objective) is it?

Security Engineering Masterclass



- Excessive loge
- Lots of threats

d for months. 60% of attacks



? Alert Details

#### **SIEM Capabilities:**

- Collection:
  - Gather log information

• How new is this domain?

Is this a known indicator of compromise?
 What is the risk rating /reputation of

Is this URL being reported as malicious?
 Is this an exploit call or known common exfiltrate call?

 Is this domain known to serve up malicious content?

Operation

- Compliance
- Investig裡鳴序代写代做 CS编程辅导

normal activity.

- **Analysis** 
  - Gather different log sources and analyse

#### **Entity Behaviour Ana**

- Baseline typical
  - E.g. looking at tivity, file activity.

#### Looking for anomalie

- Look for abno d country
- E.g. It might be normal to interact with Chinese or Russian entities if from marketing.
- Look for sessions, not events

### WeChat: cstutorcs

#### Typical anomalies and alerts:

- Suspicious logon. E.g. suspicious logon from abnormal country, strange time of day or
- ignment Project Exam Help Abnormal amounts of
- Security alerts from symantec
- First account management activity.

  Abnormal file account management activity.

  Abnormal file account management activity.

  Abnormal file account management activity.
- Abnormal VPN location.

## Advanced Analytics: ()(): 749389476

- Advanced analytics engines take infrastructure, activity and security logs with contextual data to create a smart timeline.
- Contextual informers who their manager and coworken are.
- Logs → Events → Sessions → Models → Rules
  - Events are normalized from logs. Extracting user/host info, alert ID, IP addresses
  - Events are stitched into a daily session
  - Sessions are modelled for baselining users/entities
  - Rules:
    - E.g. Black and white rules: is this website malicious?
    - Anomalous behaviour.
- Sessions:
  - Can start with an event: e.g. logon, vpn access, entering the building (ID cards)
  - Finishes at the end of the day or four hours of inactivity, or vpn logout.
- Models:
  - Can take around 4-6 weeks
  - Three types:
    - Numerical
      - Gamma distribution
      - E.g. amount of email sent on a daily basis
    - Time of week: Numerical clusters to time
      - E.g. login times
    - Categorical: for string data

- E.g. collecting data for countries from which a user connects to 程序代写代的 CS编程辅导

- Models can be represented visually with histograms. 不主 相 于
- Rules are not triggered until a confidence level is given to that model.
- Risk scores: - Gather

trigger anomalies and apply an anchor score. Use bayesian scoring). The bayesian allows the Al to adapt

- Smart timeline

Compi

Lo a smart timeline.



#### **Models and Frameworks:**

- ATtack is usefundet ps://tutorcs.com
  - It provides common vocab
  - Red team testing
  - Labelling intel
  - Team testing and assessment
- Mitre:
- ATT&CK: Tactics, techniques and common knowledge

#### **Mitre Tactic Steps:**



# Assignment Project Exam Help, The dark red indicates that these vulnerabilities are common out in the wild. See Charles' attachment.

