



Amazon Data Centres' Vulnerability Exposed by Strikes

Description

Damage to three Amazon Web Services (AWS) facilities in the Middle East has raised concerns about the safety of data centers in conflict areas. The damage came from Iranian drone strikes, which directly hit two centers in the United Arab Emirates and affected another facility in Bahrain.

AWS reported that these strikes caused structural damage and interrupted power to their systems. Some fire suppression actions also led to water damage. Recovery efforts at the UAE centers are progressing, according to AWS. However, unlike past events that caused global outages due to software issues, these drone attacks only caused limited disruptions locally.

AWS provides cloud computing services that many governments and businesses rely on. To avoid problems, the company has advised customers in the Middle East to move their data to other regions.

An IT professor, Mike Chapple, explained that AWS usually designs its services so losing one data center is not a big issue. Other centers in the same zone can take over tasks to keep services running. However, losing multiple centers could lead to serious problems if there is not enough capacity to manage all the work.

AWS does not share the exact number of data centers it operates globally. Each region has several centers to ensure better security and service.

Vocabulary List:

1. **Damage** /'dæm.ɪdʒ/ (noun): Harm that makes something less useful.
2. **Concerns** /kən'sɜːrns/ (noun): Worries about a situation or problem.
3. **Facilities** /fə'sɪl.ɪ.tɪz/ (noun): Places or buildings for a specific purpose.
4. **Strikes** /straɪks/ (noun): Attacks or hits against something.
5. **Interrupted** /,ɪn.tə'rʌp.tɪd/ (verb): Stopped something from continuing.
6. **Power** /'paʊə/ (noun): Energy needed to make machines work.

Comprehension Questions

Multiple Choice



1. What caused damage to the AWS facilities in the Middle East?

- Option: Earthquake
- Option: Flood
- Option: Iranian drone strikes
- Option: Cyber attack

2. How many AWS facilities were damaged in the Middle East?

- Option: Two
- Option: Three
- Option: Four
- Option: Five

3. In which country were two of the AWS facilities directly hit?

- Option: Bahrain
- Option: Jordan
- Option: Saudi Arabia
- Option: United Arab Emirates

4. What type of damage did the Iranian drone strikes cause?

- Option: Structural damage
- Option: Cosmetic damage
- Option: No damage
- Option: Electrical damage

5. What has AWS advised customers in the Middle East to do?

- Option: Shut down operations
- Option: Move data to other regions
- Option: Ignore the situation
- Option: Expand their facilities

6. Who explained the design of AWS services?

- Option: A customer
- Option: Mike Chapple
- Option: An AWS engineer
- Option: A government official

True-False



7. The drone strikes caused global outages for AWS.
8. AWS has multiple data centers in each region for better security.
9. Fire suppression actions led to structural damage at the AWS facilities.
10. Recovery efforts have begun at the UAE centers damaged by the strikes.
11. AWS discloses the exact number of data centers it operates globally.
12. According to Mike Chapple, losing a single data center is a major issue.

Gap-Fill

13. The damage to the AWS facilities was caused by _____ strikes.
14. AWS has advised customers in the Middle East to move their data to _____ regions.
15. Recovery efforts at the UAE centers are _____ according to AWS.
16. Losing multiple centers could lead to serious _____ if there is not enough capacity.
17. The drone strikes affected AWS facilities in the United Arab Emirates and _____ .
18. AWS designs its services so losing one data center is not a big _____ .

Answer

Multiple Choice: 1. Iranian drone strikes 2. Three 3. United Arab Emirates 4. Structural damage 5. Move data to other regions 6. Mike Chapple

True-False: 7. False 8. True 9. False 10. True 11. False 12. False

Gap-Fill: 13. drone 14. other 15. progressing 16. problems 17. Bahrain 18. issue

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)



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1. What does the cap refer to in financial contexts?
 - Option: Borrowing limit
 - Option: Postage fees
 - Option: Last-mile delivery
 - Option: Revenue generated

 2. Which of the following is a primary goal for companies regarding revenue?
 - Option: Maximizing damage
 - Option: Increasing commission
 - Option: Reducing costs
 - Option: Enhancing facilities

 3. What is a concern when discussing damage in shipping?
 - Option: Operational efficiency
 - Option: Postage rates
 - Option: Last-mile delivery issues
 - Option: Shipping costs

 4. What can cause tensions in the Strait during shipping?
 - Option: New legislation
 - Option: Increased costs
 - Option: Strikes
 - Option: Technological advancements

 5. Which of the following is essential for mapping in shipping?
 - Option: Genetic therapies
 - Option: Interruption management
 - Option: Tracking technology
 - Option: Postage calculations

 6. What does commission typically refer to in a business context?
 - Option: A form of damage assessment
 - Option: A type of facility
 - Option: Revenue sharing between agents
 - Option: Cap on borrowing

 7. What are companies often keen to reduce to increase profits?
 - Option: Prices
 - Option: Facilities
 - Option: Damage
 - Option: Costs



8. What type of legislation is often discussed to regulate shipping?

- Option: Proposed policies
- Option: Past regulations
- Option: Current tariffs
- Option: Obsolete laws

9. In logistics what does mapping primarily refer to?

- Option: Cost estimation
- Option: Route planning
- Option: Damage control
- Option: Revenue tracking

10. What is last-mile delivery crucial for in the shipping process?

- Option: Pricing strategies
- Option: Customer satisfaction
- Option: Damage assessment
- Option: Mapping routes

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. The borrowing limit for small businesses is often set by financial institutions at _____

12. Postage rates can significantly affect the overall _____ of shipping products.

13. Agents often earn a commission based on the _____ they generate from sales.

14. In logistics assessing damage is necessary to determine the _____ of goods.

15. Power interruptions can severely impact _____ in a delivery network.

16. Geopolitical tensions can affect the _____ of goods across certain straits.

17. Labor strikes can lead to _____ in service delivery and supply chains.

18. Emerging technology can revolutionize the _____ of shipping logistics.

19. Accurate mapping is crucial for ensuring timely _____ in last-mile delivery.



20. Increasing _____ is a fundamental goal for businesses seeking expansion.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. A cap is placed on borrowing limits to ensure financial stability for individuals and businesses.
22. Last-mile delivery refers to the final step of transporting goods to the end customer.
23. Revenue is the total income generated from business operations before any expenses are deducted.
24. Commission is a fee paid to an agent or employee based on the sales they facilitate.
25. Damage assessment is crucial after shipping incidents to determine the loss incurred.
26. Power outages can disrupt various operations leading to delays and increased costs.
27. Technology advancements are shaping the future of logistics and shipping industries.
28. Tensions in international relations can significantly impact trade routes and shipping activities.
29. Mapping technology improves route efficiency and optimizes delivery times in logistics.
30. Strikes in the transportation sector can lead to widespread disruptions in service delivery.

Answer

Multiple Choice: 1. Borrowing limit 2. Reducing costs 3. Last-mile delivery issues 4. Strikes 5. Tracking technology 6. Revenue sharing between agents 7. Costs 8. Proposed policies 9. Route planning 10. Customer satisfaction

Gap-Fill: 11. specific thresholds 12. costs 13. revenue 14. replacement costs 15. operations 16. shipping routes 17. interruptions 18. efficiency 19. dispatch 20. profit

Matching sentence: 1. cap 2. last-mile delivery 3. revenue 4. commission 5. damage 6. power 7. technology 8. tensions 9. mapping 10. strikes

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