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- Show Name: CEHv12 (312-50)
- Topic Name: Cloud Computing - Cloud Computing
- Episode Name: Cloud Security Controls

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## Cloud Security Controls

### Objectives:

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- Standard Security Controls
  - SDLC
  - Patches/Updates
  - Change Defaults
  - Firewall/IDS/IPS/WAF
  - Logging/Monitoring
  - Anti-DoS/DDoS
  - Encryption
  - AV/Endpoint Protection
- Cloud Specific
  - Secure Your S3 Buckets
    - IAM user policies
      - public/everyone = just say no!
      - [https://docs.aws.amazon.com/IAM/latest/UserGuide/access\\_policies\\_examples.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies_examples.html)
    - Other Policies
      - search for this with Google or the aws docs
      - Block public access for s3 (on by default)
      - Enable encryption (also on by default)
      - Bucket versioning (like volume shadow copy for S3)
  - Docker
    - Use trusted Docker images
    - [https://cheatsheetseries.owasp.org/cheatsheets/Docker\\_Security\\_Cheat\\_Sheet.html](https://cheatsheetseries.owasp.org/cheatsheets/Docker_Security_Cheat_Sheet.html)
  - Kubernetes
    - <https://www.blumatador.com/blog/kubernetes-security-essentials>
- Cloud, Container, and Kubernetes Security Tools
  - Qualys Cloud Platform
    - <https://www.qualys.com/cloud-platform>
  - Prisma Cloud
    - <https://www.paloaltonetworks.com/prisma/cloud>
  - Aqua
    - <https://www.aquasec.com>
      - Docker and Kubernetes (and basically everything else)
  - Tenable Container Security
    - <https://www.tenable.com/products/tenable-io/container-security>
  - Kube-bench
    - <https://github.com/aquasecurity/kube-bench>
  - Sumo Logic

- <https://www.sumologic.com>

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