

Cloud security assessment AWS



#HCLFortius

| The Challenge

When our clients choose to migrate a portion or all their resources to AWS, they all meet the same challenges. They need someone to help guide them and ensure they are making, or have made, the deployment decisions that best fits their business need. Whether it is compute, storage, database, or networking models, clients need to understand the best practices involved with each model and how to get the maximum ROI as they plan the deployment.

| Solution

Our experienced Team of Cloud Security experts work with our clients to ensure that they understand all aspects of cloud security as it relates to AWS. Our AWS certified consultants will work with the client Team to ensure that all dark corners are exposed and mitigated to safeguard your workloads.

With a vast range of industry experience and insight, our experts will review existing implementations of Compute and S3 workloads and their related components, then provide detailed reports on findings and provide feedback and suggestions on how to improve your business' security posture.

With skills in host-based system configuration and security application configurations, cloud-based firewall controls, and S3 storage bucket auditing and configuration, our team's skillset will allow for your business and mission to be supported by industry-leading security practices. You will have confidence and greater peace of mind on the security stance of your business' cloud infrastructure.

| How Security Operations Services Work

Our standard methodology ensures consistent service delivery, which means that you will always have an expert who can help you reach your business outcomes on time and on target. HCL's Fortius Cybersecurity Consulting provides a proven framework with a solution driven approach, by leveraging our best practices in key areas encompassing business and technical objectives/processes – all to derive the most value out of the solution for current and future needs.

Who Should Leverage this Service?

- First time AWS users
- Clients looking for resilient and secure AWS implementations
- Secure and effective deployment validation
- When your resources are limited
- Are you a highly regulated shop with many regulatory requirements

Why HCL Global Product Consulting?

- We are the AWS Cloud Security experts!
- HCL Global Consultants have experience with multiple regulatory requirements our Clients face; PCI/DSS, HIPAA, and GDPR
- Our Team understands the specific needs of different industries and can provide the required expertise to meet your Cyber Security demands

The following outlines typical Assessment topics:

Compute Best Practices

Preventive

- Review Host-based security solutions for system hardening and detection
- Review policies and best practices to ensure effective coverage
- Audit user controls and access to critical EC2 components

Monitoring and Auditing

- Audit systems for standards and regulatory compliance
- Review Event and Security application logs for potential threats, incidents, and improvements

S3 Best Practices

Preventive

- Audit different policies – ACL, Service Control, Bucket, User etc.
- Audit IAM Roles for applications and services that require access to S3 buckets
- Audit configuration of data at rest (server and client side) and data in transit
- Audit S3 cross region replication requirements
- Audit VPC endpoints for S3 buckets

Monitoring and Auditing

- Audit S3 buckets inventory.
- Audit configuration of existing AWS monitoring options

Encryption

IAM Best Practices

Review role and group configuration and limitations

- Review roles used to delegate permissions and roles allowed to grant access to applications running on EC2 instances
- Auditing of root and user access and keys
- Configuration of MFA

Segregation between Development and Production

Control and Audit activities

- Audit configuration of existing AWS monitoring options including CloudWatch, Server access logging, CloudTrail, etc.



Why HCL's Fortius cybersecurity consulting

Our consultants deliver real world value to help guide organizations in improving their security posture through:

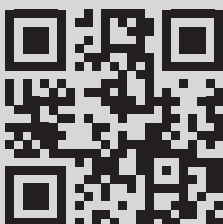
- Real-life experience operating solutions in the world's largest and most complex networks
- Direct access to internal product teams enabling faster diagnosis and resolution of issues
- Utilize Subject Matter Experts, proven methodologies, and industry best practices
- Optimize policies and procedures and engage measurable controls to realize greater program maturity
- Informal training to improve your team's effectiveness
- Drive increased value from existing security products



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For more information or to get started, please contact us:
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HCL



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HCL offers its services and products through three lines of business - IT and Business Services (ITBS), Engineering and R&D Services (ERS), and Products & Platforms (P&P). ITBS enables global enterprises to transform their businesses through offerings in areas of Applications, Infrastructure, Digital Process Operations, and next generation digital transformation solutions. ERS offers engineering services and solutions in all aspects of product development and platform engineering while under P&P. HCL provides modernized software products to global clients for their technology and industry specific requirements. Through its cutting-edge co-innovation labs, global delivery capabilities, and broad global network, HCL delivers holistic services in various industry verticals, categorized under Financial Services, Manufacturing, Technology & Services, Telecom & Media, Retail & CPG, Life Sciences, and Healthcare and Public Services.

As a leading global technology company, HCL takes pride in its diversity, social responsibility, sustainability, and education initiatives. As of 12 months ending on March 31, 2022, HCL has a consolidated revenue of US \$ 11.48 billion and its 208,000 ideapreneurs operate out of 52 countries. For more information, visit www.hcltech.com