

PUBLIC CLOUD SERVICES OVERVIEW

Databarracks helps you get the most out of your cloud infrastructure by acting as an extension of your existing DevOps team. We provide the expertise to automate processes, deliver products faster, and ensure your infrastructure is secure and scalable. Through our services - **DevOps, SecOps, FinOps, and DataOps** - we offer tailored solutions that streamline your operations, optimise costs, and protect your critical data.

DevOps Services

Our DevOps Services, functioning as **DevOps as a Service**, offering helps you accelerate the delivery of applications and services by adopting automation, best practices, and scalable infrastructure. We work closely with your team to streamline development processes, increase efficiency, and ensure your infrastructure supports your evolving application needs.

Common challenges

- **Lack of automation:** Teams often struggle to automate development pipelines and infrastructure, leading to bottlenecks in releases and increased manual effort.
- **Inconsistent environments:** Inconsistent configurations across development, staging, and production environments can lead to deployment failures and system downtime.
- **Infrastructure management overheads:** Manually managing infrastructure changes and scaling environments can overwhelm internal teams, slowing down innovation and growth.
- **Limited internal DevOps resources:** Many organisations lack the internal resources or skills to fully implement and maintain DevOps practices. This shortage can hinder the ability to deploy and manage infrastructure at scale.

Key deliverables

- **DevOps and cloud infrastructure management:** Establish and refine DevOps practices such as Continuous Integration (CI) and Continuous Deployment (CD) to streamline deployment and operations.
- **Microservices and Infrastructure as Code (IaC):** Adoption of microservices architecture and Infrastructure as Code (IaC) to ensure scalable and automated infrastructure management.
- **CI/CD pipeline setup:** Build and configure a CI/CD pipeline for faster, more reliable releases.
- **Containerisation and orchestration:** Deploy orchestration technologies for containerised applications to enable efficient infrastructure management.
- **Cost optimisation and architecture:** Re-architecture and reconfiguration for cost optimisation, ensuring high performance at a lower cost.
- **Infrastructure updates:** Handle infrastructure administration tasks such as domain registration, **SSL certificate management, and infrastructure changes.**

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- **On-demand DevOps resources:** Scale up DevOps resources as needed, providing flexible support for your internal teams and enabling your organisation to respond to demand and growth quickly.
- **Service SLAs:** Ensure continuous operation and rapid response times through service-level agreements (SLAs).

SecOps Services

Our **SecOps Services** integrate security into your cloud operations, helping you manage risks, meet compliance requirements, and maintain a secure infrastructure. By incorporating security best practices into every aspect of your infrastructure, we ensure that your cloud environment remains secure without compromising performance.

Common challenges

- **Lack of centralised security monitoring:** Disconnected security tools and manual monitoring make it difficult to maintain consistent security across cloud infrastructure.
- **Growing compliance requirements:** Organisations struggle to keep up with evolving regulatory standards, leading to increased risks of non-compliance.
- **Inadequate vulnerability management:** Many teams lack the resources to proactively identify and mitigate vulnerabilities, leaving the infrastructure open to potential threats.

Key deliverables

- **Quarterly infrastructure security reviews:** Conduct regular infrastructure security assessments to identify and address vulnerabilities before they become critical issues.
- **Integration with third-party security tools:** We integrate with third-party security tools, providing centralised monitoring and threat detection, ensuring comprehensive security coverage.
- **Compliance Management:** Help you manage and maintain compliance with industry standards and regulations, minimising the risk of breaches and non-compliance penalties.

FinOps Services

Our **FinOps Services** focus on optimising your cloud spending and ensuring that you are maximising the value of your cloud investments. We help you identify opportunities for cost savings, improve resource allocation, and provide ongoing financial governance to keep your cloud operations efficient and cost-effective.

Common challenges

- **Unpredictable cloud costs:** Teams often struggle to predict and control cloud spending due to dynamic usage patterns and complex pricing structures.

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- **Inefficient resource allocation:** Organisations frequently over-provision or underutilise resources, leading to wasted budget or performance issues.
- **Lack of financial governance:** Without a clear strategy for cloud cost management, financial oversight can become fragmented, leading to excessive spending.

Key deliverables

- **Quarterly cloud service consumption reviews:** Conduct regular reviews of your cloud service usage, identifying areas for right-sizing and cost optimisation to ensure you're only paying for what you need.
- **Cost optimisation:** Implement strategies to minimise cloud service costs without impacting performance, ensuring your infrastructure remains powerful yet cost-effective.

DataOps

Our **Air-Gap Data Protection** solution provides an additional layer of security by isolating backups from your live environment. This solution is designed to protect your data from cyber threats, including ransomware, insider threats, and accidental deletion, by ensuring that even in the worst-case scenario, your critical data remains intact and recoverable.

Common challenges

- **Vulnerability to ransomware and insider threats:** Without proper isolation, backups can be compromised, leaving organisations unable to recover from attacks.
- **Slow recovery times:** Traditional backup methods often involve slow recovery times, which can cause extended downtime during incidents.
- **Inconsistent data protection:** Many businesses struggle to maintain a consistent and reliable data backup and protection strategy, increasing the risk of data loss.

Key deliverables

- **Isolated backups:** Air-gapped backups that are physically or logically separated from the production environment, ensuring that backups remain secure and tamper-proof.
- **Rapid recovery:** A reliable, fast recovery process that ensures your critical data and infrastructure are **restored quickly in the event of an incident.**
- **Comprehensive data protection:** Full protection for your cloud-based infrastructure, including S3, RDS, EFS, and FSx, ensuring data integrity and availability in the event of a disaster.

How Databarracks can help

Every organisation faces unique challenges in managing their cloud infrastructure. As a first step, we offer a free assessment to help you identify vulnerabilities, inefficiencies, and opportunities for optimisation across your environment. This assessment provides actionable insights to improve security, cost-efficiency, and overall performance, ensuring your cloud infrastructure is aligned with your business goals.

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