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YOU RUN YOUR BUSINESS, LEAVE THE IT TO US!

SERVING NEW YORK CITY FIRMS **SINCE 1994**

OPTIMAL AWS PERFORMANCE STARTS WITH DISCOVERY, DOCUMENTATION, AND RECOMMENDATIONS



In order to ensure the ideal performance of Amazon Web Services at your business, our team starts by evaluating and learning about your current environment.

Everyone knows that double-checking your math is a basic part of life. Shouldn't the same be true of your AWS environment? Many DevOps, SecOps and FinOps teams spin up resources, setup automation... and then forget about it. Until an adverse event occurs. It could be an unplanned outage, an excessive bill... or an unintended disclosure of data due to improper security implementation.

That's exactly why the Brainlink team offers Amazon Web Services (AWS) Discovery for your business. The Discovery Service allows our expert engineers to inventory your current AWS environment. We take an outsiders view of your AWS assets, discover systems, policies and objects your teams may have forgotten about; discover suboptimal backups, BCDR or security practices and identify opportunities for further automation, security improvements and cost optimization.

We INCREASE YOUR TEAM'S PRODUCTIVITY by responding quickly to critical issues, improving systems stability, reducing downtime and resolving long -standing performance issues.

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HOW DOES DISCOVERY WORK?

During the Discovery engagement, we create a utility system using read-only administrative privileges that you provide to us. Within this system, a number of tools will be utilized to examine your environment, and our team will compare the results and reports against Generally Accepted Systems Practices, after which recommendations will be generated and delivered.

After this stage is complete, you're welcome to keep the discovery server running so that you can receive ongoing reports as a benchmark to gauge ongoing remediation work, or to discover new resources or services instantiated within the environment.

WHAT DOES DISCOVERY TAKE INTO ACCOUNT?

Resource Tagging and Standards

Resource tagging allows for the quick identification of information associated with a resource so that resources can be easily sorted and viewed by a specific instance or instances. For example, the tagging system would help to locate all resources used by a specific project, or a group, or a user, or if one wanted to calculate the cost of running those resources or to flag resources for backup. By using a structured tagging system, those sorts and filters can be applied to rapidly locate the desired resource set.

What's Included In The Discovery Process?

- Sweep of all regions for orphan / forgotten resources
- Resource utilization report for last 90 days on a 1-hour granularity
- Cost Optimization Review
- BCDR (Business Continuity & Disaster Recovery) Review
- Generate Reports / Recommendations

Which Security Aspects Will Be Reviewed?

- S3 Policies
- Security Groups
- Root API Keys
- API Key Usage
- MFA on root
- MFA on all accounts
- Wide Permissions / Policies on Accounts / Roles
- Note Accounts / Roles with Admin Policies
- Review CloudTrails and filter for Account / Role Creation / Modification
- AWS Config
- EC2 Roles
- STS for users
- Security Best Practice Review
- Generate Reports / Recommendations



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WHAT DOES DISCOVERY TAKE INTO ACCOUNT?

During Discovery, our team will compare your resources for tagging and values against best practices, and will note instances of poor tagging, and failure to tag at all. The findings will be published in a report for your review, along with our recommendations.

What's Next?

Once our Discovery process is complete, the Brainlink team will compile our results and recommendations into a comprehensive report for your review. By comparing the state of your AWS resources against best practices, we can show you where you need to improve.

Whether you'll handle the resolution process on your own, or have our team of AWS experts carry out our recommendations for you is the next step. Given that we will have carried out the Discovery process already, our team will be prepared to seamlessly move on to the next step in shoring up your AWS practices – all you have to do is ask.

Which Network Resources Will Be Reviewed?

- IP Schema
- IP Blocks
- VPC Peering
- Routing
- VPN's
- Network Diagrams
- Subnet Map
- DHCP Setup
- Nat Gateways
- VPN's
- NACL's

Which Architecture Resources Will Be Reviewed?

- AWS Architecture Best Practices Review
- CIS Architecture Review
- MultiAZ
- NTier
- MicroServices
- Decoupling

Which Best Practices Are Reviewed?

- AWS Published Best Practices
- CIS AWS Foundation benchmark
- CIS Governance benchmark



For more information about Brainlink's comprehensive suite of AWS services, get in touch with our team right now at (917) 685-7731 or raj@brainlink.com.

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