AWS RELIABILITY AND EFFICIENCY CHECKLIST

We know building and maintaining the AWS Data Analytics environments can quickly become a strain on your resources due to the complexity of the platform. That's why we built this checklist.

This assessment is based on best-practices and lessons learned from making our customers successful on AWS. Take a few minutes to review and see how much of the platform you're putting to use!

- ☐ We deploy our infrastructure as code.
- ☐ We have a CI/CD process for deploying infrastructure as code with proper approvals and integrity checks.
- ☐ We're confident we're using the right AWS services in the right way.
- ☐ We're confident in our security posture.
- ☐ Our provisioning access is automated and well understood across AWS Service (S3, Redshift, EMR, Glue, Athena).
- ☐ We have governance checks in the access provisioning process.
- ☐ We have a documented strategy for data classification.
- ☐ We have continuous scans of our environment to alert us of misconfigured or potentially critical security incidents.
- ☐ Our data workflow solution integrates with our security model.
- ☐ We can onboard data engineers or data scientists quickly.
- ☐ We have a data catalog that provides value.
- ☐ We're optimizing cost spend in our environment.
- ☐ We're using spot instances and Ephemeral EMR clusters.
- ☐ Redshift is optimally sized and tuned.
- ☐ Our data is in the optimal formats and has the optimal partitioning strategy.
- ☐ We're confident in our data enrichment strategy.
- ☐ We have an approach to master data and create optimized data models.
- ☐ We have a documented data modeling methodology.
- ☐ We have strong data transformation skills and the ability to optimize them for duration and resources.
- ☐ Our data platform is production ready.
- ☐ We have centralized logging architecture.
- ☐ We have well established metrics gathering and dashboarding.
- ☐ We are confident debugging our data platform and are being alerted to issues.
- ☐ We can quickly pinpoint data errors and quality problems.
- ☐ We're able to support the platform 24x7.

☑ Majority of boxes checked

You're really getting the most out of your AWS environment! Any that remain unchecked can serve as a great resource for additional projects to tackle when your team has bandwidth.

☐ Half of the boxes checked or fewer

You may be in need of a AWS Data Analytics partner to help you get the most out of your data platform. phData is happy to talk through this list and see where we can provide value! For more information or to get in touch, email info@phdata.io.

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