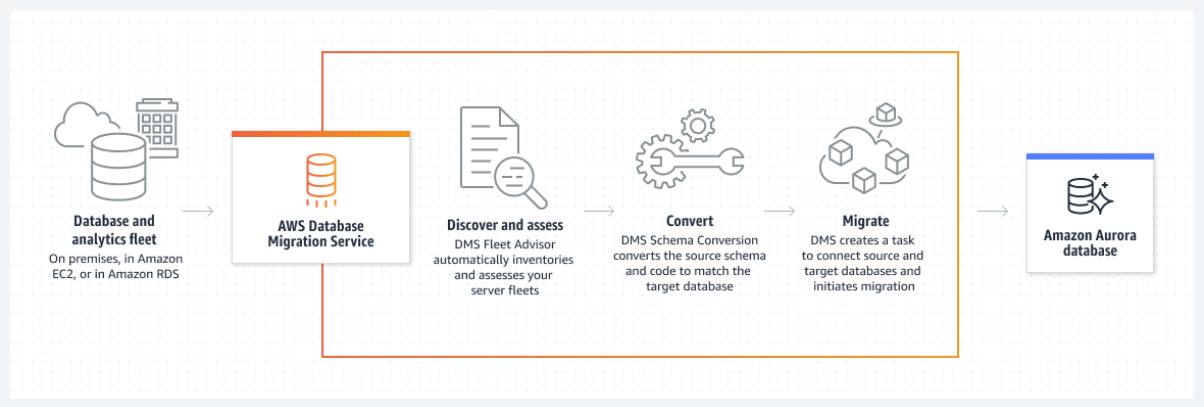
FishTank Ltd Proposal

It is a crucial step for any company to move to Cloud and ensuring that it is done securely with no downtime is our priority. Ensuring that FishTank Ltd continues its operations and delivers its outstanding service. We'll be like a duck paddling its legs to ensure the migration happens safely while on the outside everything works flawlessly.

So, what does the migration entail? To migrate AWS DMS will be utilised. AWS DMS is a managed migration and replication service that helps move your database and analytics workloads to AWS quickly, securely, and with minimal downtime and zero data loss. AWS DMS supports migration between 20-plus database and analytics engines, such as Oracle to Amazon Aurora MySQL-Compatible Edition, MySQL to Amazon Relational Database (RDS) for MySQL, Microsoft SQL Server to Amazon Aurora PostgreSQL-Compatible Edition, MongoDB to Amazon DocumentDB (with MongoDB compatibility), Oracle to Amazon Redshift, and Amazon Simple Storage Service (S3).



The image below outlines the plan we have created to migrate all the services to AWS.A brief overview of it is that the AWS direct connect allows for a GUI to access all the services. Then it is routed through the NACL to the router. The NACL acts as a network filter. Fulfilling the firewall requirement. With requests that require admin access going through directory service. With all requests being rerouted through the router to the load balancer, web servers and NAT gateway. The load balancer ensures that the workload is evenly split between the web servers. With the servers ensuring the websites are being served. And the NAT gateway providing internet access to the private subnet. The private subnet has a communication link between the print server and the PETRA app servers. The PETRA provide the service of CRM. The PETRA is also connected to a EFS mount target which is connected to a EFS outside the availability zone within the region in the VPC. This is to fulfil the Shared storage requirement. Finally, the PETRA are connected to Amazon RDS to provide a SQL server for the internal database.

The web server and the PETRA app server are paired in two different availability zones. This is for the purpose of having a more fault tolerant system to ensure nothing goes wrong. Each availability zone has 2 web servers to fulfil the requirements of having a total of four web servers. This applies the same for PETRA.

The cost for migration assuming everything is done within a month (30 days) would be:

AWS (£20,209.21) + Business Analyst (£12,000) + Cloud Consultant (£60,000)

+ Solution Architect (£30,000) + Server Migration Engineer (£22,500)

+ First/Second line Cloud support (£7,500) + Third line Cloud support (£10,500)

The total for migration assuming it takes a month is £162,709.21.

To maintain everything monthly (30 days a month) assuming a Cloud Consultant, Server Migration Engineer, Database Migration Engineer, and Solution Architect are not needed. The cost would be as follows:

AWS (£20,209.21) + Business Analyst (£12,000)

+ First/Second line Cloud support (£7,500) + Third line Cloud support (£10,500)

Total cost of maintenance after migration per month is £50,204.21.

The above is an approximate of the costs involved in migrating. We aim to please and ensure you are back to business as usual in no time. More services can be added such as using S3 instead of EFS. Or Aurora instead of RDS. Though given the limited information the diagram created above was the best the team was able to come up with. We hope this pricing is to your satisfaction.