**Cloud Deployment Strategy Group 2**

For our Scotbank app, we’re using a hybrid cloud strategy. This strategy gives us the best balance between cost**,** security, and flexibility. We can run non-sensitive things, such as customer engagement and analytics, on the public cloud, which keeps costs down. At the same time, we’ll use a private cloud for anything sensitive—such as customer data and core banking services—to make sure it stays secure and compliant.

We’re thinking of using AWS since it supports hybrid cloud setups. It lets us connect our existing on-premises systems with AWS services. For example, we could host the front end on the public cloud because it’s scalable and always available. Meanwhile, the private cloud will securely handle things like transactions and customer data.

We will use partial migration because it means we won’t move everything to the cloud all at once. Instead, we’ll do it in stages. Since Scotbank is a small company, this approach works best. It’s lower risk and cheaper, giving us time to figure things out as we go.

With partial migration, we can:

* Keep sensitive data on the private cloud.
* Start using the public cloud for less risky things.

Some tools we plan to use are:

* AWS CloudHSM helps with encryption. It stores our security keys in hardware, so our customer data stays safe.
* Amazon Aurora for database management. It’s fast, reliable, and automatically backs things up.

We can overcome these learning gaps by implementing a structured training and certification approach. Encouraging the team to obtain AWS certifications, they provide free certifications that they can do so it will enhance their cloud expertise while conducting hands-on training sessions on CI/CD pipelines, security, compliance, and cloud best practices will ensure practical understanding.

Additionally, fostering a culture of continuous feedback is important. Weekly retrospectives will help identify challenges faced during migration, allowing us to refine our strategy and address knowledge gaps proactively. By combining certifications, hands-on training, and regular feedback loops, we can ensure a smoother and more efficient cloud migration process.