

# Flight Plan

- [Checklist](#)

Excuse the aeronautical reference but I am a product of 80's/90's Air Cadet, Flight Training, Chemical Nuclear Biological Defence Training, general Cold War mentality before the mid 90's foray into ideally/hopefully endless positive energy and overly enthusiastic software engineering mentality. In the past we were partial to checklists and up front planning - I still feel the need for some process planning to figure out if we missed something.

## Checklist

| Ref | Item  | Labels  | Proposals  | Details |
|-----|---|---|--|---------|
|     | User 2FA  | security<br>MFA   |  |         |
|     |   | filtering   | S3 Object Lambda attached to <a href="#">S3 Object Lambda Access Point</a><br>For redacted or enriched views of base S3 object |         |
|     | <a href="#">Lambda code signing</a>   | security  |  |         |
|     | <a href="#">Lambda API / User tracking</a>  | security<br>traceability  | CloudTrail logs  |         |
|     | Lambda VPC private subnet placement   | security  | <a href="#">NATGW</a> or VPC endpoint is required - note Cloudwatch is a public service  |         |
|     | Long term storage   | access<br>compliance<br>durability<br>finops<br>redundancy<br>retention | S3 Intelligent-Tiering<br>4 levels to S3 Glacier Deep Archive  |         |
|     |   | compliance standards  | Macie for Personally Identifiable Information (PII) via ML in S3 buckets for HIPAA, GDPR                                       |         |
|     | Encryption at rest  | encryption<br>security  | DynamoDB<br>RDS<br><a href="#">EBS encryption</a> via KMS<br><a href="#">Lambda environment variable encryption at rest</a>    |         |
|     | <a href="#">Encryption in transit</a>   |   |  |         |
|     | cloud always-free tier minimum cost - maximum coverage<br><a href="#">Cloud#PublicCloudFreeTier</a> |   |  |         |