# Service Exceptions Table

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| Exception Description | Step/Substep | HTTP Status Code | Error Description |
| Invalid request payload | API Gateway - Input Validation | 400 Bad Request | The request body is malformed or missing required parameters. |
| Unauthorized request | API Gateway - Authentication | 401 Unauthorized | API request is missing authentication credentials (e.g., missing or expired token). |
| Forbidden access | API Gateway - IAM Policy Validation | 403 Forbidden | API caller does not have permission to access the requested resource. |
| Document too large | S3 Upload - Lambda Validation | 413 Payload Too Large | Uploaded document exceeds the allowed size limit. |
| S3 upload failure | Lambda → S3 Upload | 500 Internal Server Error | AWS S3 failed to store the document due to an internal issue. |
| DynamoDB write failure | Lambda → DynamoDB Store Metadata | 500 Internal Server Error | Failed to store document metadata in DynamoDB. |
| Database connection timeout | API-C → Oracle DB Migration Status | 504 Gateway Timeout | Connection to Oracle DB timed out while updating migration status. |
| Document not found | Get Document Metadata (Lambda → DynamoDB) | 404 Not Found | The requested document GUID does not exist in DynamoDB. |
| S3 object missing | Get Document Content (Lambda → S3) | 404 Not Found | Document exists in DynamoDB metadata but is missing in S3. |
| DynamoDB conditional update failure | Update Document Metadata (Lambda → DynamoDB) | 409 Conflict | A concurrent update was detected, and the request was rejected. |
| Permission denied for S3 delete | Delete Document (Lambda → S3) | 403 Forbidden | IAM policy does not allow the requester to delete the document from S3. |
| S3 deletion failure | Delete Document (Lambda → S3) | 500 Internal Server Error | Document deletion from S3 failed due to an internal error. |
| DynamoDB delete failure | Delete Document Metadata (Lambda → DynamoDB) | 500 Internal Server Error | Metadata deletion from DynamoDB failed. |
| AWS Direct Connect failure | API-C → Direct Connect → API Gateway | 502 Bad Gateway | Network issue or AWS Direct Connect is unavailable. |
| Lambda function timeout | Any Lambda Execution Step | 504 Gateway Timeout | Lambda execution exceeded the configured timeout. |
| Throttling exceeded | API Gateway or DynamoDB Rate Limits | 429 Too Many Requests | Too many requests were sent in a short period, exceeding allowed limits. |