Lease (LeMans) Due Date Change End-to-End Architecture **Update Case Status** Check Eligibility, Customer Agreement & Approve DD Change Request Case Case Status: Exception Case Sub Status: Case Status: Approved Update DD Change Error Case Sub Status: **DD Change Status Update** Process DD Change CEP Error Handling: Invoke DD Change API 1. Invoke Re-Processing Re-Process DD Change Complete DD Change Case Status: InProcess **Update Case Status** Case Sub Status: Case Status: Resolved Case Sub Status: **DD Change Request** ACK: 202 **DD Change Status Update CEP Callback** 1. Enqueue DD Change Request 1. Prepare CEP Callback API Request 2 Log & Audit DD Change Request 2. Invoke CEP Callback API 3. Send ACK 202 to CEP LM31 Business Error LM31 Write Response-LM31 Read Processing LM31 Write Processing 1. Prepare LM31 Read Request 2. Invoke LM31 Read API on zOS Connect 1. Deduce LM31 Write Input Data using LM31 Read Response SP 3. Pass LM31 Read Response to LM31 Write Processing 2. Prepare LM31 Write Request 3. Invoke LM31 Write API on zOS Connect **System Error Handling:** LM31 Read Response 4. Pass LM31 Write Response to CEP Update Process 1. Retry N Times in Exponentially Decaying Intervals **System Error Handling: Business Error Handling:** 1. Retry N Times in Exponentially Decaying Intervals 1. Retry for Recoverable Errors (Edit Message) **Business Error Handling:** 2. Transform LM31 Error Code & Respond to CEP 1. Retry for Recoverable Errors (Edit Message) 3. Return ESP level Processing Errors to CEP 2. Transform LM31 Error Code & Respond to CEP 3. Return ESP level Processing Errors to CEP **DD Change Microservice** I LM31 Write API Response LM31 Read API Response LM31 Read API Request zOS Connect LM31 Read API LM31 Write API 1. Lookup TSO User, IMS User 1. Lookup TSO User, IMS User, Batch No, Terminal ID 2. Prepare LM31 Read Request 2. Prepare LM31 Transaction Request 3. Invoke LM31 Read on IMS (LeMans) 3. Invoke LM31 Transaction on IMS (LeMans) 4. Transform IMS Response to ESP Format 4. Transform IMS Response to ESP Format LM31 Read Request LM31 Read Response LM31 Write Request LM31 Write Response LM31 Transaction LM31 Read LeMans 1. Execute LM31 Transaction 1.. Execute LM31 Read 2. Respond with Success/Error Code 2. Respond with Account Details DB2 DB Mainframe