

Engineering Report

Deterministic evidence report

ENGINEERING REPORT

FINDINGS BY PROGRAM

Program: ADVRCLEAN.COB

Rule: REGULATORY_PII_DOB_HEURISTIC | Severity: LOW | Action: FLAG_LOW

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/ADVRCLEAN.COB:51

Snippet: 05 IN-DATE PIC 9(08).

Remediation: Confirm whether the date field is a DOB. If so, apply masking and access control appropriate for PII.

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/ADVRCLEAN.COB:112

Snippet: STOP RUN.

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: REGULATORY_SOX_AUDIT_PRESENT | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/ADVRCLEAN.COB:143

Snippet: PERFORM 1100-LOG-START

Remediation: Verify regulatory control implementation and document evidence in compliance report.

Rule: REGULATORY_SOX_AUDIT_PRESENT | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/ADVRCLEAN.COB:150

Snippet: WRITE AUDIT-RECORD

Remediation: Verify regulatory control implementation and document evidence in compliance report.

Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/ADVRCLEAN.COB:166

Snippet: ADD 1 TO WS-INPUT-COUNT

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/ADVRCLEAN.COB:171

Snippet: ADD 1 TO WS-ERROR-COUNT

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/ADVRCLEAN.COB:209

Snippet: ADD 1 TO WS-OUTPUT-COUNT

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/ADVRCLEAN.COB:211

Snippet: ADD 1 TO WS-ERROR-COUNT

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_FILE_WRITE_NO_STATUS | Severity: HIGH | Action: FLAG_HIGH

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Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/ADVRCLEAN.COB:224

Snippet: WRITE AUDIT-RECORD

Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.

Rule: REGULATORY_SOX_AUDIT_PRESENT | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/ADVRCLEAN.COB:224

Snippet: WRITE AUDIT-RECORD

Remediation: Verify regulatory control implementation and document evidence in compliance report

Program: ALIASING.COB

Rule: REGULATORY_PII_SSN | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:45

Snippet: 05 WS-CUST-SSN PIC X(11).

Remediation: Document PII handling, masking, and storage controls in compliance reports.

Rule: DATA_RENAMES | Severity: LOW | Action: FLAG_LOW

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:48

Snippet: 66 WS-CUST-FULL-IDENTITY RENAMES WS-CUST-ID THRU WS-CUST-SSN.

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_RENAMES | Severity: LOW | Action: FLAG_LOW

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:49

Snippet: 66 WS-CUST-SENSITIVE RENAMES WS-CUST-NAME THRU WS-CUST-SSN.

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_RENAMES | Severity: LOW | Action: FLAG_LOW

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:50

Snippet: 66 WS-CUST-DATA-BLOCK RENAMES WS-CUST-ID THRU WS-CUST-FILLER.

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:67

Snippet: ACCEPT WS-USER-INPUT

Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:73

Snippet: STOP RUN.

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: SECURITY_BUFFER_OVERFLOW | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:82

Snippet: MOVE WS-USER-INPUT TO V1-DATA

Remediation: Remediate per security policy and verify with deterministic re-scan.

Rule: DATA_MOVE_TRUNCATION | Severity: LOW | Action: FLAG_LOW

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:82

Snippet: MOVE WS-USER-INPUT TO V1-DATA

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Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:86

Snippet: IF WS-PASSWORD = V2-PASSWORD

Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:96

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 4

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: SECURITY_DISPLAY_CREDENTIAL | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:101

Snippet: DISPLAY "CHUNKED PASSWORD: " V2-PASSWORD.

Remediation: Remove credential output or mask values before display/logging.

Rule: SECURITY_PII_DISPLAY | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:116

Snippet: DISPLAY "SSN ALIASED: " WS-CUST-SSN.

Remediation: Mask or remove PII before DISPLAY or logging.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:135

Snippet: IF WS-OVERLAP-A(10:20) = WS-PASSWORD

Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:138

Snippet: IF WS-OVERLAP-B(1:20) = WS-PASSWORD

Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:159

Snippet: IF WS-OVERLAP-AREA(15:20) = WS-PASSWORD

Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:167

Snippet: ACCEPT WS-OFFSET

Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:170

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 20

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:178

Snippet: IF V2-PASSWORD NOT = SPACES

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Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: SECURITY_DISPLAY_CREDENTIAL | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/ALIASING.COB:179
Snippet: DISPLAY "DYNAMIC REDEFINES: " V2-PASSWORD
Remediation: Remove credential output or mask values before display/logging.

Program: ANTIRULE.COB

Rule: DEPENDENCY_EXTERNAL_UNRESOLVED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:1
Snippet: CALL WS-PROG-LITERAL
Remediation: Resolve external dependencies or document and approve them explicitly.
Rule: REGULATORY_PII_SSN_HEURISTIC | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:42
Snippet: 01 WS-F3 PIC 9(09).
Remediation: Confirm whether the 9-digit field is SSN/TIN. If so, apply masking, access control, and audit logging.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:70
Snippet: ACCEPT WS-USER-INPUT
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:78
Snippet: STOP RUN.
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:126
Snippet: MOVE WS-USER-INPUT(WS-I:1)
Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:128
Snippet: ADD 1 TO WS-SQL-POSITION
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:153
Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 8
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:154
Snippet: IF WS-PASSWORD(WS-I:1) NOT = WS-PWD-CHECK(WS-I:1)
Remediation: Use hashed credential verification; avoid clear-text comparisons.

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Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:155
Snippet: ADD 1 TO WS-PWD-DIFF
Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:160
Snippet: IF WS-PWD-DIFF = 0
Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: SECURITY_DISPLAY_CREDENTIAL | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:181
Snippet: DISPLAY "DATA F2: " WS-F2
Remediation: Remove credential output or mask values before display/logging.

Rule: BEHAVIOR_DYNAMIC_CALL | Severity: CRITICAL | Action: BLOCK_MIGRATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:229
Snippet: CALL WS-PROG-LITERAL
Remediation: Replace with literal CALL or provide runtime witness.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:248
Snippet: IF WS-PASSWORD(1:5) = WS-HC-ASSEMBLED
Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: BEHAVIOR_PERFORM_THRU | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:257
Snippet: PERFORM 7100-OUTER THRU 7100-EXIT.
Remediation: Refactor to structured control flow and document verified execution paths.

Rule: BEHAVIOR_GOTO_EXIT | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:262
Snippet: GO TO 7100-EXIT
Remediation: Refactor to structured control flow and document verified execution paths.

Rule: BEHAVIOR_GOTO_UNCONDITIONAL | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:262
Snippet: GO TO 7100-EXIT
Remediation: Refactor to structured control flow and document verified execution paths.

Rule: BEHAVIOR_GOTO_EXIT | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:266
Snippet: GO TO 7100-EXIT
Remediation: Refactor to structured control flow and document verified execution paths.

Rule: BEHAVIOR_GOTO_UNCONDITIONAL | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:266
Snippet: GO TO 7100-EXIT
Remediation: Refactor to structured control flow and document verified execution paths.

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Program: ARITHOBF.COB

Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:20

Snippet: 05 WS-COMPUTED-PWD PIC X(20).

Remediation: Remove secrets from source, load from secure store, and rotate credentials.

Rule: REGULATORY_PII_DOB_HEURISTIC | Severity: LOW | Action: FLAG_LOW

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:46

Snippet: 01 WS-SEED PIC 9(08).

Remediation: Confirm whether the date field is a DOB. If so, apply masking and access control appropriate for PII.

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:51

Snippet: ACCEPT WS-USER-INPUT

Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:59

Snippet: STOP RUN.

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:69

Snippet: COMPUTE WS-ASCII = 60 + 5

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:72

Snippet: COMPUTE WS-ASCII = 70 - 2

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:75

Snippet: COMPUTE WS-ASCII = 7 * 11

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:78

Snippet: COMPUTE WS-ASCII = 146 / 2

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:81

Snippet: COMPUTE WS-ASCII = 80 - 2

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

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Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:84`
Snippet: `COMPUTE WS-ASCII = 50 - 1`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:87`
Snippet: `COMPUTE WS-ASCII = 25 * 2`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:90`
Snippet: `COMPUTE WS-ASCII = 102 / 2`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `SECURITY_PASSWORD_COMPARISON` | Severity: `CRITICAL` | Action: `FLAG_CRITICAL`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:98`
Snippet: `IF WS-PASSWORD = WS-COMPUTED-PWD`
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:107`
Snippet: `COMPUTE WS-ASCII = WS-PRIME(1) * WS-PRIME(2) +`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:111`
Snippet: `COMPUTE WS-ASCII = WS-PRIME(1) * 32 + 1`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:114`
Snippet: `COMPUTE WS-ASCII = WS-PRIME(4) * 10 - 2`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `SECURITY_PASSWORD_COMPARISON` | Severity: `CRITICAL` | Action: `FLAG_CRITICAL`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:118`
Snippet: `IF WS-PASSWORD = WS-CHAR-BUILDER`
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:133`
Snippet: `COMPUTE WS-C = WS-A + WS-B`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:138`
Snippet: `COMPUTE WS-ASCII = 55 + 28`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`

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Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:141

Snippet: COMPUTE WS-ASCII = 55 + 14

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:144

Snippet: COMPUTE WS-ASCII = 55 + 21

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:147

Snippet: COMPUTE WS-ASCII = 55 + 14

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:150

Snippet: COMPUTE WS-ASCII = 55 + 12

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:153

Snippet: COMPUTE WS-ASCII = 55 + 29

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:174

Snippet: COMPUTE WS-RESULT = WS-A * 1 * 1 + WS-B * 1 + WS-C

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:178

Snippet: COMPUTE WS-RESULT = WS-A * 2 * 2 + WS-B * 2 + WS-C

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:187

Snippet: IF WS-PASSWORD = WS-CHAR-BUILDER

Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:213

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 8

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:214

Snippet: COMPUTE WS-ASCII = WS-ENC-BYTE(WS-I) + WS-XOR-KEY

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL

Engineering Report

Deterministic evidence report

Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:218`
Snippet: `IF WS-PASSWORD = WS-CHAR-BUILDER`
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: `BEHAVIOR_PERFORM_VARYING` | Severity: `INFO` | Action: `FLAG_INFO`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:229`
Snippet: `PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 8`
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:230`
Snippet: `COMPUTE WS-SEED =`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:233`
Snippet: `COMPUTE WS-ASCII =`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `SECURITY_PASSWORD_COMPARISON` | Severity: `CRITICAL` | Action: `FLAG_CRITICAL`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:239`
Snippet: `IF WS-PASSWORD = WS-CHAR-BUILDER`
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:259`
Snippet: `COMPUTE WS-ASCII = WS-DAY + 64`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:262`
Snippet: `COMPUTE WS-ASCII = WS-MONTH + 64`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:265`
Snippet: `COMPUTE WS-ASCII = FUNCTION MOD(WS-YEAR, 26) + 65`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `SECURITY_PASSWORD_COMPARISON` | Severity: `CRITICAL` | Action: `FLAG_CRITICAL`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:269`
Snippet: `IF WS-PASSWORD = WS-CHAR-BUILDER`
Remediation: Use hashed credential verification; avoid clear-text comparisons.

Program: CROSSBND.COB

Rule: `DEPENDENCY_EXTERNAL_UNRESOLVED` | Severity: `HIGH` | Action: `FLAG_HIGH`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:1`
Snippet: `CALL WS-PROGRAM-NAME`

Engineering Report

Deterministic evidence report

Remediation: Resolve external dependencies or document and approve them explicitly.
Rule: REGULATORY_PII_TAX_ID | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:34
Snippet: 05 WS-CUST-TAX-ID PIC X(11).
Remediation: Document PII handling, masking, and storage controls in compliance reports.
Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:48
Snippet: 05 WS-COPY-PASSWORD PIC X(20) VALUE "COPYPWD123".
Remediation: Remove secrets from source, load from secure store, and rotate credentials.
Rule: REGULATORY_PII_TAX_ID | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:61
Snippet: 10 LS-CUST-TAX-ID PIC X(11).
Remediation: Document PII handling, masking, and storage controls in compliance reports.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:67
Snippet: ACCEPT WS-USER-INPUT
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:73
Snippet: STOP RUN.
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_DYNAMIC_CALL | Severity: CRITICAL | Action: BLOCK_MIGRATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:86
Snippet: CALL WS-PROGRAM-NAME USING WS-SQL-PART-1
Remediation: Replace with literal CALL or provide runtime witness.
Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:98
Snippet: MOVE "ADMIN123" TO WS-SHARED-CREDENTIAL
Remediation: Remove secrets from source, load from secure store, and rotate credentials.
Rule: DEPENDENCY_CALL_STATIC | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:102
Snippet: CALL "AUTHPROG" USING WS-SHARED-CREDENTIAL
Remediation: Resolve external dependencies or document and approve them explicitly.
Rule: DEPENDENCY_CALL_NO_EXCEPTION | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:102
Snippet: CALL "AUTHPROG" USING WS-SHARED-CREDENTIAL
Remediation: Resolve external dependencies or document and approve them explicitly.
Rule: DEPENDENCY_CALL_STATIC | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:122
Snippet: CALL "REPORTPGM" USING WS-CUSTOMER-DATA

Engineering Report

Deterministic evidence report

Remediation: Resolve external dependencies or document and approve them explicitly.

Rule: DEPENDENCY_CALL_NO_EXCEPTION | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:122

Snippet: CALL "REPORTPGM" USING WS-CUSTOMER-DATA

Remediation: Resolve external dependencies or document and approve them explicitly.

Rule: SECURITY_PII_MOVE_UNMASKED | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:127

Snippet: MOVE WS-CUST-TAX-ID TO LS-CUST-TAX-ID

Remediation: Mask, tokenize, or encrypt PII before moving to output fields.

Rule: DEPENDENCY_CALL_STATIC | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:137

Snippet: CALL "CTRLPROG" USING WS-OPERATION-CODE

Remediation: Resolve external dependencies or document and approve them explicitly.

Rule: DEPENDENCY_CALL_NO_EXCEPTION | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:137

Snippet: CALL "CTRLPROG" USING WS-OPERATION-CODE

Remediation: Resolve external dependencies or document and approve them explicitly.

Rule: SECURITY_PII_DISPLAY | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:146

Snippet: DISPLAY "DANGEROUS: TAX ID = " WS-CUST-TAX-ID

Remediation: Mask or remove PII before DISPLAY or logging.

Rule: SECURITY_DISPLAY_CREDENTIAL | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:150

Snippet: DISPLAY "PASSWORD: " WS-SHARED-CREDENTIAL

Remediation: Remove credential output or mask values before display/logging.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:162

Snippet: IF WS-PASSWORD = WS-COPY-PASSWORD

Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:164

Snippet: MOVE "SUPER SECRET DATA" TO WS-COPY-SECRET

Remediation: Remove secrets from source, load from secure store, and rotate credentials.

Rule: SECURITY_DISPLAY_CREDENTIAL | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:165

Snippet: DISPLAY "SECRET: " WS-COPY-SECRET

Remediation: Remove credential output or mask values before display/logging.

Rule: DEPENDENCY_CALL_STATIC | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:174

Snippet: CALL "PROGB" USING WS-USER-INPUT

Engineering Report

Deterministic evidence report

Remediation: Resolve external dependencies or document and approve them explicitly.
Rule: DEPENDENCY_CALL_NO_EXCEPTION | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:174
Snippet: CALL "PROGB" USING WS-USER-INPUT
Remediation: Resolve external dependencies or document and approve them explicitly.

Program: DOOMCLEAN.COB

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/DOOMCLEAN.COB:97
Snippet: STOP RUN
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_CODE_AFTER_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/DOOMCLEAN.COB:98
Snippet: .
Remediation: Refactor to structured control flow and document verified execution paths.

Program: EMERGENT.COB

Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EMERGENT.COB:20
Snippet: 05 WS-A-COMBINED PIC X(50).
Remediation: Remove secrets from source, load from secure store, and rotate credentials.
Rule: REGULATORY_PII_SSN | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EMERGENT.COB:43
Snippet: 01 WS-SSN PIC X(11).
Remediation: Document PII handling, masking, and storage controls in compliance reports.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EMERGENT.COB:47
Snippet: ACCEPT WS-USER-INPUT
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EMERGENT.COB:52
Snippet: STOP RUN.
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EMERGENT.COB:100
Snippet: IF WS-PASSWORD = WS-A-COMBINED
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EMERGENT.COB:117
Snippet: PERFORM VARYING WS-I FROM 1 BY 2 UNTIL WS-I > 50
Remediation: Refactor to structured control flow and document verified execution paths.

Engineering Report

Deterministic evidence report

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EMERGENT.COB:123
Snippet: PERFORM VARYING WS-I FROM 2 BY 2 UNTIL WS-I > 50
Remediation: Refactor to structured control flow and document verified execution paths.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EMERGENT.COB:129
Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 50
Remediation: Refactor to structured control flow and document verified execution paths.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EMERGENT.COB:138
Snippet: IF WS-MERGED(1:20) = WS-PASSWORD
Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EMERGENT.COB:166
Snippet: IF WS-B-OUTPUT = WS-PASSWORD
Remediation: Use hashed credential verification; avoid clear-text comparisons.

Program: ENCODING.COB

Rule: REGULATORY_PII_CREDIT_CARD_HEURISTIC | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ENCODING.COB:39
Snippet: 01 WS-ALPHA-CRED REDEFINES WS-NUMERIC-CRED PIC X(16).
Remediation: Confirm whether the field stores PAN data. If so, apply masking, encryption, and PCI-DSS controls.

Rule: DATA_REDEFINES_SIZE_MISMATCH | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ENCODING.COB:42
Snippet: 01 WS-PACKED-REDEF REDEFINES WS-PACKED-DATA PIC X(08).
Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ENCODING.COB:59
Snippet: ACCEPT WS-USER-INPUT
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ENCODING.COB:66
Snippet: STOP RUN.
Remediation: Refactor to structured control flow and document verified execution paths.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ENCODING.COB:129
Snippet: IF WS-PASSWORD = WS-ALPHA-CRED(1:8)
Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Engineering Report

Deterministic evidence report

Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ENCODING.COB:143`
Snippet: `PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 5`
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: `DATA_SUBTRACT_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ENCODING.COB:145`
Snippet: `SUBTRACT WS-SHIFT-AMOUNT FROM WS-ASCII`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `SECURITY_PASSWORD_COMPARISON` | Severity: `CRITICAL` | Action: `FLAG_CRITICAL`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ENCODING.COB:150`
Snippet: `IF WS-PASSWORD(1:5) = WS-UNSHIFTED`
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ENCODING.COB:168`
Snippet: `COMPUTE WS-FULL-BYTE = WS-HI-NIBBLE * 16 + WS-LO-NIBBLE`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `BEHAVIOR_FALL_THROUGH` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ENCODING.COB:176`
Snippet: `5000-NIBBLE-ASSEMBLY`
Remediation: Add explicit termination or control transfer for each paragraph.

Program: EXTERNAL.COB

Rule: `BEHAVIOR_STOP_RUN` | Severity: `INFO` | Action: `FLAG_INFO`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:54`
Snippet: `STOP RUN.`
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: `SECURITY_ACCEPT_PASSWORD` | Severity: `CRITICAL` | Action: `FLAG_CRITICAL`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:62`
Snippet: `ACCEPT WS-ENV-PASSWORD FROM ENVIRONMENT "APP_PASSWORD"`
Remediation: Use protected input handling or delegated authentication modules.
Rule: `SECURITY_ACCEPT_UNVALIDATED` | Severity: `HIGH` | Action: `FLAG_HIGH`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:62`
Snippet: `ACCEPT WS-ENV-PASSWORD FROM ENVIRONMENT "APP_PASSWORD"`
Remediation: Validate `ACCEPT` inputs before use and reject invalid or unexpected values.
Rule: `SECURITY_ACCEPT_PASSWORD` | Severity: `CRITICAL` | Action: `FLAG_CRITICAL`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:65`
Snippet: `ACCEPT WS-USER-PASSWORD`
Remediation: Use protected input handling or delegated authentication modules.
Rule: `SECURITY_PASSWORD_COMPARISON` | Severity: `CRITICAL` | Action: `FLAG_CRITICAL`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:68`
Snippet: `IF WS-USER-PASSWORD = WS-ENV-PASSWORD`

Engineering Report

Deterministic evidence report

Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: DATA_FILE_READ_NO_AT_END | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:80
Snippet: READ SECRET-FILE INTO WS-FILE-CREDENTIAL
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:85
Snippet: IF WS-USER-PASSWORD = WS-FILE-CREDENTIAL
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: DATA_FILE_READ_NO_AT_END | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:97
Snippet: READ CONFIG-FILE INTO WS-FILE-SQL
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:118
Snippet: IF WS-CONFIG-MODE = "UNSAFE"
Remediation: Remove secrets from source, load from secure store, and rotate credentials.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:120
Snippet: ACCEPT WS-USER-INPUT
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: DATA_FILE_OPEN_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:139
Snippet: OPEN INPUT CONFIG-FILE
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: DATA_FILE_READ_NO_AT_END | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:140
Snippet: READ CONFIG-FILE INTO WS-VAR-NAME
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:144
Snippet: ACCEPT WS-INDIRECT-PWD FROM ENVIRONMENT WS-VAR-NAME
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: SECURITY_ACCEPT_PASSWORD | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:144
Snippet: ACCEPT WS-INDIRECT-PWD FROM ENVIRONMENT WS-VAR-NAME
Remediation: Use protected input handling or delegated authentication modules.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:147
Snippet: IF WS-USER-PASSWORD = WS-INDIRECT-PWD

Engineering Report

Deterministic evidence report

Remediation: Use hashed credential verification; avoid clear-text comparisons.

Program: FALSPOS.COB

Rule: REGULATORY_SOX_AUDIT_PRESENT | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:129

Snippet: PERFORM 5000-LOG-DOCUMENTATION

Remediation: Verify regulatory control implementation and document evidence in compliance rep

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:132

Snippet: STOP RUN.

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: SECURITY_ACCEPT_PASSWORD | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:148

Snippet: ACCEPT WS-USER-INPUT-PASSWORD

Remediation: Use protected input handling or delegated authentication modules.

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:148

Snippet: ACCEPT WS-USER-INPUT-PASSWORD

Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:179

Snippet: ADD 1 TO SSN-DOCUMENT

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:180

Snippet: ADD 1 TO SSN-COUNTER

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_FILE_WRITE_NO_STATUS | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:193

Snippet: WRITE SAFE-RECORD

Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.

Rule: DATA_FILE_WRITE_NO_STATUS | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:196

Snippet: WRITE SAFE-RECORD

Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.

Rule: DATA_FILE_WRITE_NO_STATUS | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:199

Snippet: WRITE SAFE-RECORD.

Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.

Rule: BEHAVIOR_GOTO_BACKWARD | Severity: HIGH | Action: FLAG_HIGH

Engineering Report

Deterministic evidence report

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:240

Snippet: GO TO 7000-DEAD-CODE-SECTION

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: BEHAVIOR_GOTO_UNCONDITIONAL | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:240

Snippet: GO TO 7000-DEAD-CODE-SECTION.

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: DEPENDENCY_CALL_NO_EXCEPTION | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:247

Snippet: CALL "SAFEUTILITY" USING WS-WORK-FIELDS.

Remediation: Resolve external dependencies or document and approve them explicitly.

Rule: DEPENDENCY_CALL_STATIC | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:247

Snippet: CALL "SAFEUTILITY" USING WS-WORK-FIELDS.

Remediation: Resolve external dependencies or document and approve them explicitly.

Rule: DEPENDENCY_CALL_STATIC | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:248

Snippet: CALL "LOGGINGPGM" USING WS-TEMP-STRING.

Remediation: Resolve external dependencies or document and approve them explicitly.

Rule: DEPENDENCY_CALL_NO_EXCEPTION | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:248

Snippet: CALL "LOGGINGPGM" USING WS-TEMP-STRING.

Remediation: Resolve external dependencies or document and approve them explicitly.

Rule: REGULATORY_SOX_AUDIT_PRESENT | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:248

Snippet: CALL "LOGGINGPGM" USING WS-TEMP-STRING.

Remediation: Verify regulatory control implementation and document evidence in compliance rep

Program: HALTING.COB

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:24

Snippet: ACCEPT WS-N

Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:25

Snippet: ACCEPT WS-USER-INPUT

Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:30

Snippet: STOP RUN.

Engineering Report

Deterministic evidence report

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: DATA_DIVIDE_NO_SIZE_ERROR | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:45

Snippet: DIVIDE WS-COUNTER BY 2 GIVING WS-COUNTER

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:47

Snippet: COMPUTE WS-COUNTER = 3 * WS-COUNTER + 1

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:82

Snippet: PERFORM VARYING WS-EXP FROM 3 BY 1 UNTIL WS-EXP > 10

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:83

Snippet: PERFORM VARYING WS-A FROM 1 BY 1 UNTIL WS-A > 100

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:84

Snippet: PERFORM VARYING WS-B FROM 1 BY 1 UNTIL WS-B > 100

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:87

Snippet: COMPUTE WS-SUM = WS-A ** WS-EXP +

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:89

Snippet: COMPUTE WS-C-POWER = WS-C ** WS-EXP

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:117

Snippet: COMPUTE WS-EVEN = WS-N * 2

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:120

Snippet: PERFORM VARYING WS-P1 FROM 2 BY 1 UNTIL WS-P1 > WS-EVEN / 2

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:121

Snippet: COMPUTE WS-P2 = WS-EVEN - WS-P1

Engineering Report

Deterministic evidence report

Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:131
Snippet: IF WS-PASSWORD = "GOLDBACH-FAIL"
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:131
Snippet: IF WS-PASSWORD = "GOLDBACH-FAIL"
Remediation: Remove secrets from source, load from secure store, and rotate credentials.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:145
Snippet: ADD 1 TO WS-COUNTER
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_DIVIDE_NO_SIZE_ERROR | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:147
Snippet: DIVIDE WS-N BY 2 GIVING WS-N
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_SUBTRACT_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:151
Snippet: SUBTRACT 1 FROM WS-N
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:153
Snippet: ADD 1 TO WS-N
Remediation: Add explicit error handling, status checks, and size safeguards.

Program: INDIRCTN.COB

Rule: DEPENDENCY_EXTERNAL_UNRESOLVED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRCTN.COB:1
Snippet: CALL WS-EXTERNAL-PROGRAM
Remediation: Resolve external dependencies or document and approve them explicitly.
Rule: DATA_FILE_SELECT_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRCTN.COB:14
Snippet: SELECT STAGING-FILE ASSIGN TO "STAGING"
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: REGULATORY_PII_SSN | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRCTN.COB:84
Snippet: 05 WS-SSN PIC X(11).
Remediation: Document PII handling, masking, and storage controls in compliance reports.
Rule: REGULATORY_PII_SSN | Severity: HIGH | Action: FLAG_HIGH

Engineering Report

Deterministic evidence report

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:90
Snippet: 05 LS-SSN PIC X(11).
Remediation: Document PII handling, masking, and storage controls in compliance reports.
Rule: PORTABILITY_POINTER | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:99
Snippet: PERFORM 5000-POINTER-INDIRECTION
Remediation: Replace compiler-specific or obsolete constructs with portable equivalents.
Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:101
Snippet: STOP RUN.
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:118
Snippet: MOVE WS-CRED-7 TO WS-CRED-FINAL
Remediation: Remove secrets from source, load from secure store, and rotate credentials.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:121
Snippet: IF WS-PASSWORD = WS-CRED-FINAL
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:135
Snippet: ACCEPT WS-INDEX-FORMULA-PART-A
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:136
Snippet: ACCEPT WS-INDEX-FORMULA-PART-B
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:139
Snippet: COMPUTE WS-COMPUTED-INDEX =
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_MOVE_TRUNCATION | Severity: LOW | Action: FLAG_LOW
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:158
Snippet: MOVE WS-FILE-SQL TO STG-DATA
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: SECURITY_BUFFER_OVERFLOW | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:158
Snippet: MOVE WS-FILE-SQL TO STG-DATA
Remediation: Remediate per security policy and verify with deterministic re-scan.
Rule: DATA_FILE_OPEN_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM

Engineering Report

Deterministic evidence report

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:161
Snippet: OPEN I-O STAGING-FILE
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: DATA_FILE_WRITE_NO_STATUS | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:162
Snippet: WRITE STAGING-RECORD
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: DATA_FILE_OPEN_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:167
Snippet: OPEN INPUT STAGING-FILE
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: DATA_FILE_READ_NO_AT_END | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:169
Snippet: READ STAGING-FILE INTO STAGING-RECORD
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:187
Snippet: IF WS-LOCAL-PASSWORD = "EXTERNAL-SECRET"
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:187
Snippet: IF WS-LOCAL-PASSWORD = "EXTERNAL-SECRET"
Remediation: Remove secrets from source, load from secure store, and rotate credentials.
Rule: SECURITY_PII_DISPLAY | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:192
Snippet: DISPLAY "SSN FROM CALLER: " LS-SSN
Remediation: Mask or remove PII before DISPLAY or logging.
Rule: BEHAVIOR_DYNAMIC_CALL | Severity: CRITICAL | Action: BLOCK_MIGRATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:195
Snippet: CALL WS-EXTERNAL-PROGRAM USING LS-COMMAREA.
Remediation: Replace with literal CALL or provide runtime witness.
Rule: PORTABILITY_POINTER | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:201
Snippet: 5000-POINTER-INDIRECTION.
Remediation: Replace compiler-specific or obsolete constructs with portable equivalents.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:210
Snippet: IF WS-PASSWORD = WS-PTR-ARRAY(WS-CURRENT-PTR)
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: SECURITY_PII_DISPLAY | Severity: HIGH | Action: FLAG_HIGH

Engineering Report

Deterministic evidence report

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:245

Snippet: DISPLAY "SSN VALUE: " WS-SSN.

Remediation: Mask or remove PII before DISPLAY or logging.

Program: INFINITE.COB

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:34

Snippet: ACCEPT WS-USER-INPUT

Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:56

Snippet: STRING WS-TEMP WS-USER-INPUT ""

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:65

Snippet: STRING WS-P1 WS-P2 WS-P3 WS-P4 WS-P5

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:71

Snippet: MOVE WS-USER-INPUT TO WS-SQL(36:100)

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:78

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 35

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:80

Snippet: ADD 1 TO WS-POS

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:84

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > WS-LEN

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:85

Snippet: MOVE WS-USER-INPUT(WS-I:1) TO WS-SQL(WS-POS:1)

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:86

Snippet: ADD 1 TO WS-POS

Engineering Report

Deterministic evidence report

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:102

Snippet: INSPECT WS-SQL REPLACING ALL "EEE" BY WS-USER-INPUT.

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:109

Snippet: STRING WS-P1 WS-USER-INPUT WS-P2

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:114

Snippet: COMPUTE WS-POS = FUNCTION LENGTH(

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:116

Snippet: COMPUTE WS-LEN = FUNCTION LENGTH(

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:118

Snippet: MOVE WS-USER-INPUT(1:WS-LEN) TO WS-SQL(WS-POS:WS-LEN)

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:119

Snippet: COMPUTE WS-POS = WS-POS + WS-LEN

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:142

Snippet: MOVE WS-USER-INPUT(WS-I:1) TO WS-C(WS-POS)

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:143

Snippet: ADD 1 TO WS-POS

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:161

Snippet: COMPUTE WS-ASCII = 80 + 3

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:163

Snippet: COMPUTE WS-ASCII = 60 + 9

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Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:165

Snippet: COMPUTE WS-ASCII = 70 + 6

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:175

Snippet: PERFORM VARYING WS-I FROM WS-LEN BY -1 UNTIL WS-I < 1

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:177

Snippet: ADD 1 TO WS-POS

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:201

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 6

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:240

Snippet: MOVE WS-USER-INPUT TO SQL-PART-3 OF WS-SQL-TEMPLATE

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: DATA_MOVE_CORRESPONDING | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:241

Snippet: MOVE CORRESPONDING WS-SQL-TEMPLATE TO WS-SQL-TARGET.

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:248

Snippet: STOP RUN.

Remediation: Refactor to structured control flow and document verified execution paths.

Program: LOOPBOUND.COB

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:31

Snippet: ACCEPT WS-USER-INPUT

Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:32

Snippet: ACCEPT WS-N

Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO

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Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:37
Snippet: STOP RUN.
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:48
Snippet: ADD 1 TO WS-COUNTER
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:70
Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > WS-N
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:71
Snippet: ADD 1 TO WS-COUNTER
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:74
Snippet: COMPUTE WS-CHAR =
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:82
Snippet: IF WS-PASSWORD = WS-CREDENTIAL-PARTS
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:129
Snippet: PERFORM VARYING WS-I FROM 1 BY 2 UNTIL WS-I > WS-N
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:130
Snippet: COMPUTE WS-TERM = WS-SIGN / WS-I
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:131
Snippet: ADD WS-TERM TO WS-ACCUM-NUM
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_MULTIPLY_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:132
Snippet: MULTIPLY -1 BY WS-SIGN
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_MULTIPLY_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

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Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/LOOPBOUND.COB:135`
Snippet: `MULTIPLY 4 BY WS-ACCUM-NUM`
Remediation: Add explicit error handling, status checks, and size safeguards.

Program: METAMETA.COB

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:43`
Snippet: `ACCEPT WS-USER-INPUT`
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:48`
Snippet: `STOP RUN.`
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:56`
Snippet: `COMPUTE WS-METHOD-SELECTOR =`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:60`
Snippet: `COMPUTE WS-INNER-METHOD =`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:64`
Snippet: `COMPUTE WS-SHIFT-KEY =`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:66`
Snippet: `COMPUTE WS-XOR-KEY =`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:106`
Snippet: `PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > WS-LEN`
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: DATA_SUBTRACT_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:108`
Snippet: `SUBTRACT 1 FROM WS-ASCII`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:116`
Snippet: `PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > WS-LEN`

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Remediation: Refactor to structured control flow and document verified execution paths.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:125

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > WS-LEN

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: DATA_SUBTRACT_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:127

Snippet: SUBTRACT WS-XOR-KEY FROM WS-ASCII

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:129

Snippet: ADD 95 TO WS-ASCII

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/METAMETA.COB:161

Snippet: IF WS-PASSWORD = WS-DECODED-DATA(1:20)

Remediation: Use hashed credential verification; avoid clear-text comparisons.

Program: METAMRPH.COB

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:39

Snippet: ACCEPT WS-USER-INPUT

Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:50

Snippet: STOP RUN.

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:79

Snippet: MOVE WS-USER-INPUT TO WS-SQL-TEMP

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:80

Snippet: STRING WS-SQL-1 WS-SQL-TEMP ""

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:91

Snippet: MOVE WS-USER-INPUT

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO

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Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:106`
Snippet: `PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 36`
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: `DATA_ADD_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:108`
Snippet: `ADD 1 TO WS-POS`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `BEHAVIOR_PERFORM_VARYING` | Severity: `INFO` | Action: `FLAG_INFO`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:114`
Snippet: `PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > WS-LEN`
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: `SECURITY_SQL_INJECTION` | Severity: `CRITICAL` | Action: `REQUIRE_REMEDIATION`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:115`
Snippet: `MOVE WS-USER-INPUT(WS-I:1) TO WS-SQL-FINAL(WS-POS:1)`
Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.
Rule: `DATA_ADD_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:116`
Snippet: `ADD 1 TO WS-POS`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `SECURITY_SQL_INJECTION` | Severity: `CRITICAL` | Action: `REQUIRE_REMEDIATION`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:142`
Snippet: `STRING WS-SQL-TEMP WS-USER-INPUT WS-SQL-2`
Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.
Rule: `SECURITY_SQL_INJECTION` | Severity: `CRITICAL` | Action: `REQUIRE_REMEDIATION`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:152`
Snippet: `MOVE WS-USER-INPUT TO WS-SQL-TEMP`
Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.
Rule: `SECURITY_SQL_INJECTION` | Severity: `CRITICAL` | Action: `REQUIRE_REMEDIATION`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:153`
Snippet: `STRING WS-SQL-1 WS-SQL-2 WS-SQL-TEMP ""`
Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:162`
Snippet: `COMPUTE WS-POS = 36 + 1`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `DATA_COMPUTE_NO_SIZE_ERROR` | Severity: `MEDIUM` | Action: `FLAG_MEDIUM`
Location: `./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:163`
Snippet: `COMPUTE WS-LEN =`
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: `SECURITY_SQL_INJECTION` | Severity: `CRITICAL` | Action: `REQUIRE_REMEDIATION`

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Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:165
Snippet: MOVE WS-USER-INPUT(1:WS-LEN)
Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.
Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:167
Snippet: COMPUTE WS-POS = WS-POS + WS-LEN
Remediation: Add explicit error handling, status checks, and size safeguards.

Program: NOVELATK.COB

Rule: DATA_FILE_SELECT_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:14
Snippet: SELECT WORK-FILE ASSIGN TO "WORKFILE"
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: DATA_FILE_SELECT_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:16
Snippet: SELECT TEMP-FILE ASSIGN TO "TEMPFILE"
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: REGULATORY_PII_DOB_HEURISTIC | Severity: LOW | Action: FLAG_LOW
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:31
Snippet: 05 WS-CURRENT-DATE PIC 9(08).
Remediation: Confirm whether the date field is a DOB. If so, apply masking and access controls appropriate for PII.
Rule: REGULATORY_AML_CTR | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:75
Snippet: 01 WS-MAX-DEPTH PIC 9(05) VALUE 10000.
Remediation: Validate threshold logic against regulatory policy and document evidence.
Rule: REGULATORY_PII_SSN | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:91
Snippet: 05 WS-SSN PIC X(11).
Remediation: Document PII handling, masking, and storage controls in compliance reports.
Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:104
Snippet: STOP RUN.
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: SECURITY_DISPLAY_CREDENTIAL | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:124
Snippet: DISPLAY "BOMB ACTIVATED: " WS-SQL-QUERY
Remediation: Remove credential output or mask values before display/logging.
Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:137

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Snippet: IF WS-ENV-NAME = "PRODUCTION"
Remediation: Remove secrets from source, load from secure store, and rotate credentials.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:146

Snippet: IF WS-USER-INPUT = "BACKDOOR123"
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:146

Snippet: IF WS-USER-INPUT = "BACKDOOR123"
Remediation: Remove secrets from source, load from secure store, and rotate credentials.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:161

Snippet: ADD 1 TO WS-BUILD-POSITION
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:163

Snippet: ADD 1 TO WS-BUILD-POSITION
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:165

Snippet: ADD 1 TO WS-BUILD-POSITION
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:167

Snippet: ADD 1 TO WS-BUILD-POSITION
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:169

Snippet: ADD 1 TO WS-BUILD-POSITION
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:171

Snippet: ADD 1 TO WS-BUILD-POSITION
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:173

Snippet: ADD 1 TO WS-BUILD-POSITION
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:178

Engineering Report

Deterministic evidence report

Snippet: IF WS-PASSWORD = WS-CHAR-ACCUM(1:8)
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: SECURITY_PII_DISPLAY | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:198
Snippet: DISPLAY "SSN: " WS-SSN.
Remediation: Mask or remove PII before DISPLAY or logging.
Rule: DATA_FILE_OPEN_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:212
Snippet: OPEN INPUT TEMP-FILE
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: DATA_FILE_READ_NO_AT_END | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:213
Snippet: READ TEMP-FILE INTO WS-FILE-COMMAND
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:239
Snippet: ADD 1 TO WS-RECURSION-DEPTH
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_MOVE_CORRESPONDING | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:279
Snippet: MOVE CORRESPONDING WS-SOURCE-REC TO WS-TARGET-REC
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_FILE_OPEN_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:294
Snippet: OPEN OUTPUT WORK-FILE
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: DATA_FILE_WRITE_NO_STATUS | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:296
Snippet: WRITE WORK-RECORD
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: DATA_FILE_OPEN_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:305
Snippet: OPEN OUTPUT TEMP-FILE
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.
Rule: DATA_FILE_WRITE_NO_STATUS | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:308
Snippet: WRITE TEMP-RECORD
Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.

Program: OBFUSCAT.COB

Engineering Report

Deterministic evidence report

Rule: DEPENDENCY_EXTERNAL_UNRESOLVED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:1

Snippet: CALL WS-TARGET-PROGRAM

Remediation: Resolve external dependencies or document and approve them explicitly.

Rule: DATA_FILE_SELECT_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:14

Snippet: SELECT INPUT-FILE ASSIGN TO "INPUT"

Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.

Rule: DATA_FILE_SELECT_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:16

Snippet: SELECT OUTPUT-FILE ASSIGN TO "OUTPUT"

Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.

Rule: REGULATORY_PII_CREDIT_CARD_HEURISTIC | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:33

Snippet: 05 WS-CRED-ALPHA REDEFINES WS-CRED-NUMERIC PIC X(16).

Remediation: Confirm whether the field stores PAN data. If so, apply masking, encryption, and PCI-DSS controls.

Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:48

Snippet: 01 WS-ASSEMBLED-PWD.

Remediation: Remove secrets from source, load from secure store, and rotate credentials.

Rule: REGULATORY_PII_SSN | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:86

Snippet: 05 WS-SSN-HIDDEN PIC X(11).

Remediation: Document PII handling, masking, and storage controls in compliance reports.

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:100

Snippet: STOP RUN.

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: DATA_FILE_OPEN_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:103

Snippet: OPEN INPUT INPUT-FILE

Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.

Rule: DATA_FILE_OPEN_NO_STATUS | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:104

Snippet: OPEN OUTPUT OUTPUT-FILE

Remediation: Add FILE STATUS or INVALID KEY handling for all file operations.

Rule: BEHAVIOR_ALTER | Severity: CRITICAL | Action: BLOCK_MIGRATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:109

Snippet: ALTER 5000-ROUTE-PARAGRAPH TO PROCEED - TO 5100-DANGEROUS - -PATH

Engineering Report

Deterministic evidence report

Remediation: Remove ALTER statement. Refactor to structured control flow.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:142

Snippet: IF WS-PASSWORD = WS-ASSEMBLED-PWD

Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: DATA_MOVE_TRUNCATION | Severity: LOW | Action: FLAG_LOW

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:171

Snippet: MOVE WS-USER-INPUT TO WS-SQL-PART-4.

Remediation: Add explicit error handling, status checks, and size safeguards.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:171

Snippet: MOVE WS-USER-INPUT TO WS-SQL-PART-4.

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: SECURITY_BUFFER_OVERFLOW | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:171

Snippet: MOVE WS-USER-INPUT TO WS-SQL-PART-4.

Remediation: Remediate per security policy and verify with deterministic re-scan.

Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:180

Snippet: STRING WS-SQL-PART-1

Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.

Rule: BEHAVIOR_DYNAMIC_CALL | Severity: CRITICAL | Action: BLOCK_MIGRATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:201

Snippet: CALL WS-TARGET-PROGRAM USING DFHCOMMAREA

Remediation: Replace with literal CALL or provide runtime witness.

Rule: BEHAVIOR_GOTO_UNCONDITIONAL | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:209

Snippet: GO TO 5200-SAFE-PATH.

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: SECURITY_PII_DISPLAY | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:214

Snippet: DISPLAY "USER SSN: " WS-SSN-HIDDEN

Remediation: Mask or remove PII before DISPLAY or logging.

Rule: BEHAVIOR_GOTO_UNCONDITIONAL | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:216

Snippet: GO TO 5300-CONTINUE.

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: BEHAVIOR_GOTO_UNCONDITIONAL | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:224

Snippet: GO TO 5300-CONTINUE.

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Remediation: Refactor to structured control flow and document verified execution paths.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:282
Snippet: IF WS-PASSWORD = WS-CRED-ALPHA
Remediation: Use hashed credential verification; avoid clear-text comparisons.

Program: OMEGACLEAN.COB

Rule: REGULATORY_PII_CREDIT_CARD_HEURISTIC | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/OMEGACLEAN.COB:60
Snippet: 05 WS-FIB PIC 9(18) OCCURS 50.
Remediation: Confirm whether the field stores PAN data. If so, apply masking, encryption, and PCI-DSS controls.
Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/OMEGACLEAN.COB:75
Snippet: STOP RUN
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_CODE_AFTER_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/OMEGACLEAN.COB:76
Snippet: .
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/OMEGACLEAN.COB:85
Snippet: PERFORM VARYING WS-I FROM 3 BY 1 UNTIL WS-I > 50
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/OMEGACLEAN.COB:99
Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 100
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/OMEGACLEAN.COB:107
Snippet: PERFORM VARYING WS-I FROM 2 BY 1 UNTIL WS-I > 10
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/OMEGACLEAN.COB:109
Snippet: COMPUTE WS-J = WS-I * 2
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: DATA_ADD_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/OMEGACLEAN.COB:112
Snippet: ADD WS-I TO WS-J
Remediation: Add explicit error handling, status checks, and size safeguards.

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Rule: DATA_COMPUTE_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/OMEGACLEAN.COB:126
Snippet: COMPUTE WS-REMAINDER =
Remediation: Add explicit error handling, status checks, and size safeguards.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/OMEGACLEAN.COB:142
Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > WS-N
Remediation: Refactor to structured control flow and document verified execution paths.

Program: PARSEBRK.COB

Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/PARSEBRK.COB:151
Snippet: IF WS-USER-INPUT = "TEST" OR WS-USER-INPUT = "PROD" OR WS - -USER-INPUT = "DEV"
Remediation: Remove secrets from source, load from secure store, and rotate credentials.
Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/PARSEBRK.COB:178
Snippet: IF WS-USER-INPUT = "ADMIN123"
Remediation: Remove secrets from source, load from secure store, and rotate credentials.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/PARSEBRK.COB:178
Snippet: IF WS-USER-INPUT = "ADMIN123"
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: BEHAVIOR_GOTO_UNCONDITIONAL | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/PARSEBRK.COB:206
Snippet: GO TO 6100-TARGET
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_GOTO_UNCONDITIONAL | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/PARSEBRK.COB:211
Snippet: GO TO 6100-TARGET.
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/PARSEBRK.COB:250
Snippet: STOP RUN.
Remediation: Refactor to structured control flow and document verified execution paths.

Program: POLYGLOT.COB

Rule: DEPENDENCY_EXTERNAL_UNRESOLVED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:1
Snippet: CALL PROC
Remediation: Resolve external dependencies or document and approve them explicitly.
Rule: REGULATORY_PII_SSN | Severity: HIGH | Action: FLAG_HIGH

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Deterministic evidence report

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:59
Snippet: 05 WS-SSN PIC X(11).
Remediation: Document PII handling, masking, and storage controls in compliance reports.
Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:71
Snippet: STOP RUN.
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:88
Snippet: ACCEPT WS-USER-ID
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:132
Snippet: ACCEPT WS-ORDER-CLAUSE
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: SECURITY_SQL_INJECTION | Severity: CRITICAL | Action: REQUIRE_REMEDIATION
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:134
Snippet: STRING "SELECT SSN, NAME FROM CUSTOMERS ORDER BY "
Remediation: Replace STRING concatenation with parameterized EXEC SQL using host variables.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:174
Snippet: ACCEPT WS-PROGRAM-NAME
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: DATA_CICS_NO_RESP | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:176
Snippet: EXEC CICS LINK
Remediation: Add RESP/RESP2 checks after EXEC CICS commands.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:189
Snippet: ACCEPT WS-LENGTH
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:203
Snippet: ACCEPT WS-QUEUE-NAME
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: SECURITY_PII_MOVE_UNMASKED | Severity: MEDIUM | Action: FLAG_MEDIUM
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:206
Snippet: MOVE WS-SSN TO WS-CICS-COMMAREA
Remediation: Mask, tokenize, or encrypt PII before moving to output fields.
Rule: DATA_CICS_NO_RESP | Severity: HIGH | Action: FLAG_HIGH

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Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:208
Snippet: EXEC CICS WRITEQ TS
Remediation: Add RESP/RESP2 checks after EXEC CICS commands.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:221
Snippet: ACCEPT WS-TRANSID
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: DATA_CICS_NO_RESP | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:223
Snippet: EXEC CICS START
Remediation: Add RESP/RESP2 checks after EXEC CICS commands.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:260
Snippet: ACCEPT WS-PCB-NAME
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:288
Snippet: ACCEPT WS-QUEUE-NAME
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: DATA_CICS_NO_RESP | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:290
Snippet: EXEC CICS WRITEQ TS
Remediation: Add RESP/RESP2 checks after EXEC CICS commands.
Rule: DATA_CICS_NO_RESP | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:302
Snippet: EXEC CICS READ
Remediation: Add RESP/RESP2 checks after EXEC CICS commands.

Program: RULEEXPL.COB

Rule: REGULATORY_PII_DOB_HEURISTIC | Severity: LOW | Action: FLAG_LOW
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/RULEEXPL.COB:32
Snippet: 01 WS-ORDER PIC 9(08).
Remediation: Confirm whether the date field is a DOB. If so, apply masking and access control appropriate for PII.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/RULEEXPL.COB:81
Snippet: ACCEPT WS-USER-INPUT
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/RULEEXPL.COB:87

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Snippet: STOP RUN.
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/RULEEXPL.COB:128

Snippet: ACCEPT WS-INTER-INDEX
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/RULEEXPL.COB:158

Snippet: IF WS-PASSWORD = WS-VAR-FINAL
Remediation: Use hashed credential verification; avoid clear-text comparisons.
Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/RULEEXPL.COB:195

Snippet: ACCEPT WS-COND-B
Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/RULEEXPL.COB:226

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 1
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/RULEEXPL.COB:230

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 1
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/RULEEXPL.COB:231

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 1
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/RULEEXPL.COB:236

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 1
Remediation: Refactor to structured control flow and document verified execution paths.
Rule: BEHAVIOR_PERFORM_VARYING | Severity: INFO | Action: FLAG_INFO
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/RULEEXPL.COB:237

Snippet: PERFORM VARYING WS-I FROM 1 BY 1 UNTIL WS-I > 1
Remediation: Refactor to structured control flow and document verified execution paths.

Program: TEMPORAL.COB

Rule: REGULATORY_PII_DOB_HEURISTIC | Severity: LOW | Action: FLAG_LOW
Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/TEMPORAL.COB:53

Snippet: 01 WS-CURRENT-TIME PIC 9(08).
Remediation: Confirm whether the date field is a DOB. If so, apply masking and access control

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appropriate for PII.

Rule: SECURITY_ACCEPT_UNVALIDATED | Severity: HIGH | Action: FLAG_HIGH

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/TEMPORAL.COB:57

Snippet: ACCEPT WS-USER-INPUT

Remediation: Validate ACCEPT inputs before use and reject invalid or unexpected values.

Rule: BEHAVIOR_STOP_RUN | Severity: INFO | Action: FLAG_INFO

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/TEMPORAL.COB:63

Snippet: STOP RUN.

Remediation: Refactor to structured control flow and document verified execution paths.

Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/TEMPORAL.COB:114

Snippet: MOVE SPACES TO WS-SECRET-KEY

Remediation: Remove secrets from source, load from secure store, and rotate credentials.

Rule: SECURITY_HARDCODED_CREDENTIAL | Severity: CRITICAL | Action: REQUIRE_REMEDIATION

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/TEMPORAL.COB:117

Snippet: MOVE "EXPOSED-SECRET-KEY" TO WS-SECRET-KEY

Remediation: Remove secrets from source, load from secure store, and rotate credentials.

Rule: SECURITY_PASSWORD_COMPARISON | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/TEMPORAL.COB:121

Snippet: IF WS-SECRET-KEY NOT = SPACES

Remediation: Use hashed credential verification; avoid clear-text comparisons.

Rule: SECURITY_DISPLAY_CREDENTIAL | Severity: CRITICAL | Action: FLAG_CRITICAL

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/TEMPORAL.COB:122

Snippet: DISPLAY "KEY: " WS-SECRET-KEY

Remediation: Remove credential output or mask values before display/logging.

Rule: DATA_SUBTRACT_NO_SIZE_ERROR | Severity: MEDIUM | Action: FLAG_MEDIUM

Location: ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/TEMPORAL.COB:136

Snippet: SUBTRACT 1 FROM WS-SHARED-COUNTER

Remediation: Add explicit error handling, status checks, and size safeguards.

BLOCKERS DETAIL

BEHAVIOR_DYNAMIC_CALL at ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:195

BEHAVIOR_ALTER at ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:109

BEHAVIOR_DYNAMIC_CALL at ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:201

BEHAVIOR_DYNAMIC_CALL at

../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:229

BEHAVIOR_DYNAMIC_CALL at ../legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.CO

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CONTROL FLOW ANALYSIS

Artifacts: analysis/behavior/entry-points.json, analysis/behavior/dead-code.json, analysis/behavior/reachability.json

ADVRCLEAN entry points: 0000-MAIN-CONTROL
ADVRCLEAN unreachable: None
FALSPOS entry points: 0000-MAIN
FALSPOS unreachable: None
INDIRECTN entry points: 0000-MAIN, OCCURS
INDIRECTN unreachable: None
METAMRPH entry points: 0000-MAIN
METAMRPH unreachable: None
NOVELATK entry points: 0000-MAIN, PIC
NOVELATK unreachable: None
OBFUSCAT entry points: 0000-MAIN, PIC
OBFUSCAT unreachable: None
PARSEBRK entry points: 1000-INIT
PARSEBRK unreachable: None
POLYGLOT entry points: 0000-MAIN
POLYGLOT unreachable: None
ANTIRULE entry points: 0000-MAIN
ANTIRULE unreachable: None
ARITHOBF entry points: 0000-MAIN
ARITHOBF unreachable: None
CROSSBND entry points: 0000-MAIN
CROSSBND unreachable: None
DOOMCLEAN entry points: 0000-MAIN-CONTROL
DOOMCLEAN unreachable: None
ENCODING entry points: 0000-MAIN
ENCODING unreachable: None
INFINITE entry points: 0000-MAIN
INFINITE unreachable: None
RULEEXPL entry points: 0000-MAIN
RULEEXPL unreachable: None
TEMPORAL entry points: 0000-MAIN
TEMPORAL unreachable: None
ALIASING entry points: 0000-MAIN
ALIASING unreachable: None
EMERGENT entry points: 0000-MAIN

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EMERGENT unreachable: None
EXTERNAL entry points: 0000-MAIN
EXTERNAL unreachable: None
HALTING entry points: 0000-MAIN
HALTING unreachable: None
LOOPBOUND entry points: 0000-MAIN
LOOPBOUND unreachable: None
METAMETA entry points: 0000-MAIN
METAMETA unreachable: None
OMEGACLEAN entry points: 0000-MAIN-CONTROL
OMEGACLEAN unreachable: None

DATA FLOW ANALYSIS

Artifacts: analysis/data/data-flow.json, analysis/data/pii-inventory.json,
analysis/data/field-catalog.json

PII inventory: 66

PII sources: 59

Sinks: 72

PII flows: 12

SSN-LABEL -> SSN-LABEL (DISPLAY)

LS-SSN -> LS-SSN (DISPLAY)

WS-SSN -> WS-SSN (DISPLAY)

WS-SSN -> WS-SSN (DISPLAY)

WS-CRED-ALPHA -> WS-CRED-ALPHA (DISPLAY)

DEPENDENCY ANALYSIS

Artifacts: analysis/dependencies/call-graph.json, analysis/dependencies/copybook-usage.json,
analysis/dependencies/external-deps.json, analysis/dependencies/dynamic-calls.json

ANTIRULE unresolved: WS-PROG-LITERAL
CROSSBND unresolved: WS-PROGRAM-NAME
INDIRECTN unresolved: WS-EXTERNAL-PROGRAM
OBFUSCAT unresolved: WS-TARGET-PROGRAM
POLYGLOT unresolved: PROC

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FALSPOS CALL PIC targets: None
FALSPOS CALL TARGET targets: None
INDIRCTN CALL WS-EXTERNAL-PROGRAM targets: None
OBFUSCAT CALL WS-TARGET-PROGRAM targets: None
PARSEBRK CALL AND targets: None
ANTIRULE CALL WS-PROG-LITERAL targets: None
CROSSBND CALL WS-PROGRAM-NAME targets: SQLBUILD

REMEDIATION QUEUE

BEHAVIOR_DYNAMIC_CALL CRITICAL BLOCK_MIGRATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRCTN.COB:195
BEHAVIOR_ALTER CRITICAL BLOCK_MIGRATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:109
BEHAVIOR_DYNAMIC_CALL CRITICAL BLOCK_MIGRATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:201
BEHAVIOR_DYNAMIC_CALL CRITICAL BLOCK_MIGRATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:229
BEHAVIOR_DYNAMIC_CALL CRITICAL BLOCK_MIGRATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:86
SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRCTN.COB:118
SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRCTN.COB:187
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:79
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:80
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:91
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:115
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:142
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:152
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:153
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at

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./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/METAMRPH.COB:165
SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:137
SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:146
SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:48
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:171
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/OBFUSCAT.COB:180
SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/PARSEBRK.COB:151
SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/PARSEBRK.COB:178
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/POLYGLOT.COB:134
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ANTIRULE.COB:126
SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/ARITHOBF.COB:20
SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:48
SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:98
SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/CROSSBND.COB:164
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:56
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:65
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:71
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:85
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:102
SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./.legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:109

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SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:118

SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:142

SECURITY_SQL_INJECTION CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/INFINITE.COB:240

SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/TEMPORAL.COB:114

SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v2-DOOM/TEMPORAL.COB:117

SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EMERGENT.COB:20

SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/EXTERNAL.COB:118

SECURITY_HARDCODED_CREDENTIAL CRITICAL REQUIRE_REMEDIATION at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v3-OMEGA/HALTING.COB:131

SECURITY_ACCEPT_PASSWORD CRITICAL FLAG_CRITICAL at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/FALSPOS.COB:148

SECURITY_PASSWORD_COMPARISON CRITICAL FLAG_CRITICAL at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:121

SECURITY_PASSWORD_COMPARISON CRITICAL FLAG_CRITICAL at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:187

SECURITY_PASSWORD_COMPARISON CRITICAL FLAG_CRITICAL at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/INDIRECTN.COB:210

REGULATORY_AML_CTR CRITICAL FLAG_CRITICAL at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:75

SECURITY_DISPLAY_CREDENTIAL CRITICAL FLAG_CRITICAL at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:124

SECURITY_PASSWORD_COMPARISON CRITICAL FLAG_CRITICAL at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:146

SECURITY_PASSWORD_COMPARISON CRITICAL FLAG_CRITICAL at
./legacy-lens/tmp/72300b39433cb57c/ALL_CHAOS/CHAOS-v1/NOVELATK.COB:178