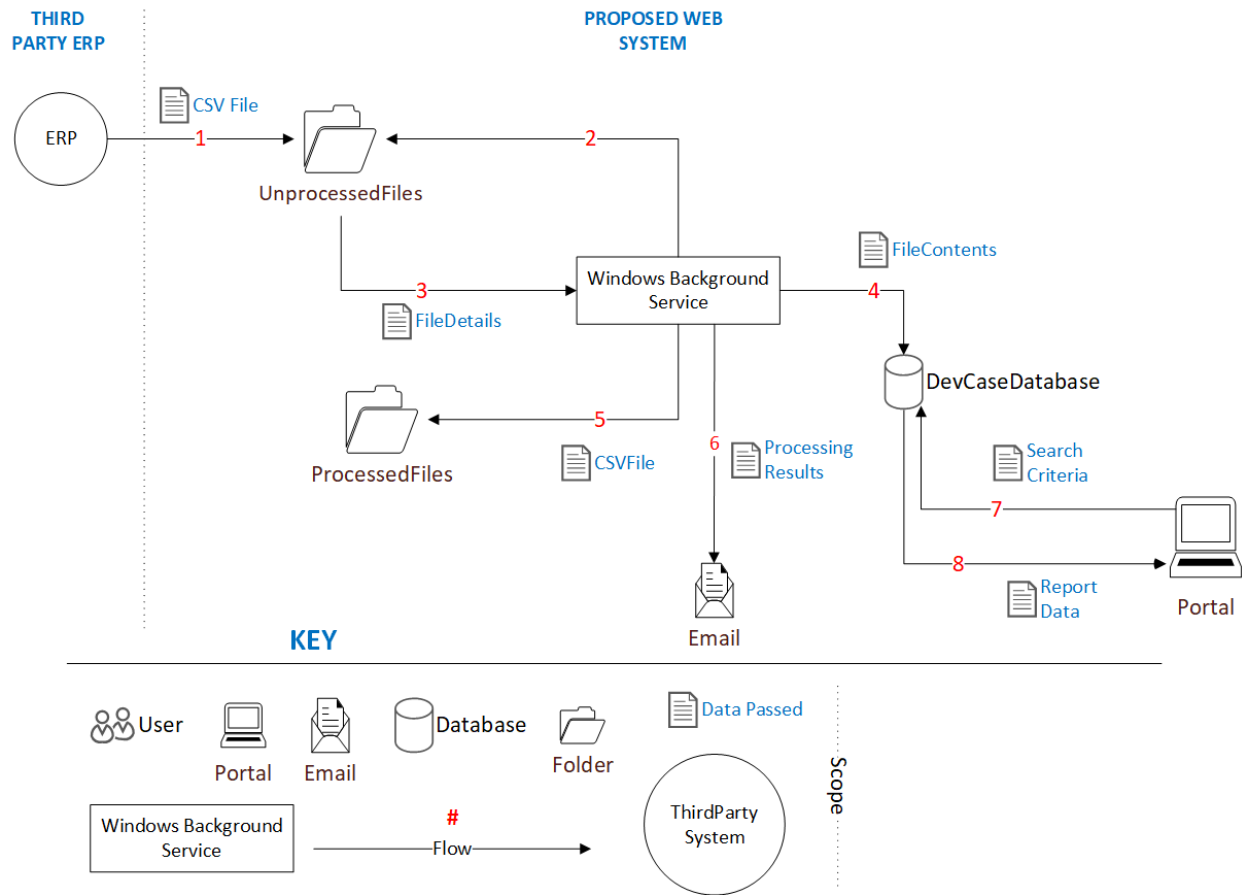


## WEB SYSTEM ARCHITECTURE FOR THIRD PARTY ERP INTEGRATION



## DESCRIPTION

- The third-party system generates a csv and drops the file into a folder on the server.
- The Windows background service queries the unprocessed folder continuously for any newly generated files.
- The Windows service picks all existing files as dropped by the ERP.
  - For each file picked:
    - The File contents are read
      - For each row in the contents:
        - Validate each column
        - Valid rows are inserted into a "Success" in-memory table
        - Invalid rows are inserted into an "Failed" in-memory table
- Both the invalid and valid in-memory tables containing file contents are bulk inserted into Error and Sales tables respectively.
- The file is then moved from the Unprocessed folder to a Processed files folder.
- The service then notifies the concerned parties about the results of processing notifying them of errors and successfully inserted sales.
- The interface is used by users to query the database for reports by supplying search criteria.
- The Database returns report data as queried based on the search criteria