

Tech Stack

Function App Description

Title: Invoiced CSV Import
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Schedule: Daily @ 5am

Description: Customer facing csv file of invoice details. Invoiced DDS delivers updated data daily @ 12am. The first function InvoicedStorageQueue runs distinct list of invoices and sends to InvoicedQueue for processing. The function InvoicedCSVImportProd then picks up record from queue and attempts to process. If the invoice hasn't been syncing (meaning there is no record in Invoiced) the record is sent to DLQ. The second function InvoicedQueue picks up records from the DLQ and sends back to InvoicedQueue for re-processing at later scheduled times noted below.

Function Apps Directory

- funcInvoicedCSVprod_queues** - main function script with timer triggers for initial queuing and re-queue of invoices
| InvoicedStorageQueue - timer decorator to trigger sending invoices to the queue to be picked up and processed. Scheduled daily for 5am
| InvoicedDLQInvoices - timer decorator to trigger picking up invoices sent to poison queue and sending back to standard queue for re-processing. This is to account for scenario where Invoiced experiences latency in syncing invoices from Invoiced. Timer trigger set to pick up records in poison queue at 10am, 3pm and 8pm.
- funcInvoicedCSVprod_process_invoices** - function with queue listener to pick records up in Invoiced-queue and process each one individually
| InvoicedCSVImportProd - queue trigger decorator to pick records up in Invoiced-queue and process each one individually
- utilities** - function modules use in the application
| __init__.py
| get_attachments_utils.py - retrieves existing attachments for an invoice in order to pass along with new attachment in later step
| get_invoice_utils.py - retrieves the invoice id for an invoice in order to pass when getting attachments for an invoice and patching new attachments in later step
| post_csv_file_invoiced_utils.py - processes the dataframe retrieved from sql_invoiced_utils, stringifies as csv and posts to Invoiced api
| save_attachment_utils.py - packages existing attachments as along with newly created and patches to Invoiced API
| sql_invoiced_utils.py - distinct list for iteration: runs sql query to get a distinct list of invoice numbers and order dates used in the file name
| sql_invoiced_utils.py - runs the sql query for single invoice and returns results to dashboard
| request_records_utils.py - function to request invoices that are sent to the DLQ poison queue

