

## In a nutshell:

Goal is to collect unique documents into Azure cloud, make a corresponding record in a SharePoint List for each, and automate two manually kicked off reports.

## Requirement is in three parts

1. Daily, a hundred or more ZIP Files, each containing hundreds if not a thousand PDFS, TIFFS, and JPGS will be added to a monitored network folder.

0134611950101041\_113525555.zip  
0389272480101100\_154236565.zip  
0444031760101021\_110409287.zip

Automatically, they need to be extracted, and all unique files uploaded, to the Azure Blob Documents.

Location: documents

Search blobs by prefix (case-sensitive)

☐ Show deleted blobs

NAME	MODIFIED	ACCESS TIER	BLOB TYPE	SIZE	LEASE STATE
0134611950101041-305316_1-0.pdf	11/5/2018, 2:52:39 PM	Hot (Inferred)	Block blob	2.57 KiB	Available ...
0134611950101041-904576724920_1-422.tiff	11/5/2018, 2:52:39 PM	Hot (Inferred)	Block blob	24.24 KiB	Available ...
0134611950101041-904576724920_2-423.tiff	11/5/2018, 2:52:39 PM	Hot (Inferred)	Block blob	26.23 KiB	Available ...
0134611950101041-904576724920_3-424.tiff	11/5/2018, 2:52:39 PM	Hot (Inferred)	Block blob	62.45 KiB	Available ...
0134611950101041-904576724920_4-425.tiff	11/5/2018, 2:52:39 PM	Hot (Inferred)	Block blob	46.42 KiB	Available ...
0134611950101041-904576724920_5-426.tiff	11/5/2018, 2:52:39 PM	Hot (Inferred)	Block blob	6.07 KiB	Available ...
0134611950101041-904576724920_6-427.tiff	11/5/2018, 2:52:39 PM	Hot (Inferred)	Block blob	14.49 KiB	Available ...
0134611950101041-904583052282_1-1.tiff	11/5/2018, 2:52:39 PM	Hot (Inferred)	Block blob	57.2 KiB	Available ...
0134611950101041-904583052282_10-10.tiff	11/5/2018, 2:52:39 PM	Hot (Inferred)	Block blob	4.73 KiB	Available ...
0134611950101041-904583052282_11-11.tiff	11/5/2018, 2:52:39 PM	Hot (Inferred)	Block blob	8.03 KiB	Available ...

There will be one PDF per Zip file. That PDF is the **Request** – in the form of a **Request Details Page**. Tiffs and JPGS are the related **Records** for that **Request**.

### Request Details Page

Peer Review Request

Submitted Date: 3/10/2017  
Claim Number: 3000818729131191  
Insured Name: [REDACTED]  
Date of Loss: 01/15/2017  
Interested Party: [REDACTED]

Screen/Status	Body Part	Body Sub Type
Screen/Status	Neck/Back	

Provider(s): HUDSON VALLEY HOSPITAL CE  
Date(s) of Service: 1/16/2017  
Charged Amount: \$18871.45  
Specialty: Hospital  
Received Date: 2/3/2017  
Place of Service City: Cortland Manor  
Place of Service State: New York  
Place of Service Zip: 13057  
Bill Review Unique Identifier: 0N4015610  
Treating Doctor:  
Referring Physician:  
Date to Return Review: 3/15/2017  
Date to Verify Letter: 3/2/2017  
Verification Received Date:  
Vendor / Physician: Empire Stat

Special Instructions: \*Please review all bills associated to SR from 1/16/17 date of service\*\*Please review for medical necessity

FFM Adjuster: Jess Auer  
FFM Adjuster Phone Number: 516-714-7575

### Files in the Zip File

0389272480101100\_154236565.zip

- 0389272480101100-148075\_1-0.pdf
- 0389272480101100-904579051349\_1-198.tiff
- 0389272480101100-904579051349\_2-199.tiff
- 0389272480101100-904579051349\_3-200.tiff
- 0389272480101100-904579051349\_4-201.tiff
- 0389272480101100-904579051349\_5-202.tiff
- 0389272480101100-904579051349\_6-203.jpg
- 0389272480101100-904579051349\_7-204.jpg
- 0389272480101100-904579051349\_8-205.jpg
- 0389272480101100-904579051350\_1-206.tiff
- 0389272480101100-904579051350\_2-207.tiff
- 0389272480101100-904579051350\_3-208.tiff
- 0389272480101100-904579051350\_4-209.tiff
- 0389272480101100-904579051350\_5-210.tiff
- 0389272480101100-904579051350\_6-211.jpg
- 0389272480101100-904579051350\_7-212.jpg
- 0389272480101100-904579051350\_8-213.jpg
- 0389272480101100-904579111161\_1-41.tiff
- 0389272480101100-904579111161\_2-42.tiff

2. A Logic app needs to trigger for all new files – creating a corresponding record for that file in the SharePoint List **Case Documents**.

Start	End	Title	Provider(s)	Physician/degree	Summary	Scope	Status	URL	Ref
		tbd				IN	Pending	https://casedocuments...	
		tbd				IN	Pending	https://casedocuments...	
		tbd				IN	Pending	https://casedocuments...	
		tbd				IN	Pending	https://casedocuments...	
		tbd				IN	Pending	https://casedocuments...	

- In the SharePoint list **Case Documents**, the default Content Type is **Record**. If the file is a PDF, change Content Type to **Request**
- From the file name, parse Claim Number, Bundle Number, Page Number, and Order into appropriate columns. Include link to Azure file in URL column
- Avoid SharePoint throttling and exceeding rate limits

Users will then handle data processing in the SharePoint **Case Documents** list UI – updating required fields manually.

3. From that same SharePoint UI - Users need to be able to run a **Request Pack** report by selecting a **Request** and running the **Create Request Pack** workflow. The end result of this workflow should be the **Request Pack**, a PDF which contains the **Request Details Page** (provided), the **Records List** (created), followed by all in-scope related **Records** saved in one PDF. This PDF is usually less than a hundred pages, but may be more.

Request Details Page

Peer Review Request

Submitted Date: 3/10/2017  
 Claim Number: [REDACTED]  
 Insured Name: [REDACTED]  
 Date of Loss: 12/14/2016  
 Interested Party: [REDACTED]

Interested Party Injuries	Body Part	Body Sub Type
Sprain/Strain	Neck/Back	

Provider(s): HUDSON VALLEY HOSPITAL, GE  
 Dates of Service: 1/16/2017  
 Charged Amount: \$19871.45  
 Specialty: Hospital  
 Received Date: 2/3/2017  
 Place of Service City: Cortland Manor  
 Place of Service State: New York  
 Place of Service Zip: 13827  
 Ref Review Unique Identifier: QW4015610  
 Treating Doctor:  
 Referring Physician:  
 Date to Return Review: 3/15/2017  
 Date to Verify Letter: 3/2/2017  
 Verification Received Date:  
 Vendor / Physician: Empire Stat  
 Special Instructions: \*Please review all bills associated to SX from 1/16/17 date of service\*\*Please review for medical necessity

FPM Adjuster: Jess Ausler  
 FPM Adjuster Phone Number: 516-714-7575

Records List

Index's Date: 03/11/2017  
 Claimant's Name: [REDACTED]  
 Insurance Claim Number: [REDACTED]  
 Date of Incident: 01/14/2017  
 Date of Review: 03/14/2017 - 03/16/2017

01/17/16, Application for motor vehicle no-fault benefits.  
 01/21/16, Multiple records from New York-Presbyterian/Hudson Valley Hospital, including emergency department medical records.  
 01/21/16, X-ray report of the cervical spine, New York-Presbyterian/Hudson Valley Hospital, Department of Radiology, Dr. Paul H. Kim, M.D. Impression: No acute bony abnormality of cervical spine is noted.  
 01/21/16, X-ray report of the lumbar spine, New York-Presbyterian/Hudson Valley Hospital, Department of Radiology, Dr. Maurice Pagnanelli, M.D. Impression: 1. No fracture seen. 2. Narrowing of the L5-S1 disc space.  
 01/21/16, Initial evaluation report, Cortland Manor, Dr. J. E. Cuccione-Santos.  
 01/21/16, Physical therapy initial evaluation report, Yorkville Heights (YVREHAB), Tom Bortolotto, P.T.  
 01/21/16, Physical therapy initial plan of care report, Yorkville Heights (YVREHAB), Tom Bortolotto, P.T.  
 01/21/16, 01/17/17, Physical therapy daily S.O.A. P progress notes, Yorkville Heights (YVREHAB), Richard Foley, P.T., Tom Bortolotto, P.T., Lisa Chalkley, P.T., Matthew Cullen, P.T., Richard Foley, P.T.  
 01/21/16, Initial evaluation report, Mount Kisco Office, Barry J. Kinsner, M.D.  
 01/21/16, MRI report of the lumbar spine, New York-Presbyterian/Hudson Valley Hospital, Department of Radiology, Dr. Paul Kim, Impression: Large left paracentral disc extrusion at L5-S1 level which extends inferiorly below the level of disc space associated with tear of posterior annulus impinging on the left S1 nerve root and causing severe left paracentral spinal stenosis. Recommended clinical correlation for left S1 radiculopathy.  
 02/14/16, Physical therapy re-evaluation report, Yorkville Heights (YVREHAB), Richard Foley, P.T.  
 02/15/16, Physical therapy plan of care report, Yorkville Heights (YVREHAB), Richard Foley, P.T.

01/11/17, Follow up evaluation report, Mount Kisco Office, Barry J. Kinsner, M.D.  
 01/12/17, Multiple records from New York-Presbyterian/Hudson Valley Hospital, including emergency department medical records.  
 01/12/17, Laboratory report, New York-Presbyterian/Hudson Valley Hospital.  
 01/12/17, X-ray report of the chest, New York-Presbyterian/Hudson Valley Hospital, Department of Radiology, Dr. Elina Samra, Impression: Normal chest.  
 01/14/17, Physical therapy discharge summary report, Yorkville Heights (YVREHAB), Lisa Chalkley, P.T.  
 01/16/17, Anesthesia record, New York-Presbyterian/Hudson Valley Hospital, signature Douglas M.D.  
 01/16/17, Operative report, New York-Presbyterian/Hudson Valley Hospital, Barry J. Kinsner, M.D. Operative: Lumbar decompression, Left L5-S1 and right L5-S1 with micro-scope assisted discectomy of the L5/S1 nerve root and the right L5. Nerve root with the following Postoperative diagnosis: 1 central laminar disc, L5-S1. With solid extended fragment and left and right radiculopathy. Postoperative diagnosis: 1 central laminar disc, L5-S1. With solid extended fragment and left and right radiculopathy.  
 01/16/17, Surgical pathology report, New York-Presbyterian/Hudson Valley Hospital, Richard A. Schreiber, M.D. Diagnosis: Intraoperative disc L5-S1, partial resection. Portion of intervertebral disc.  
 01/16/17, X-ray report of the lumbar spine, New York-Presbyterian/Hudson Valley Hospital, Department of Radiology, Dr. Maurice Pagnanelli, Impression: Lumbar only noted above. Radiograph of the lumbar spine and portions of the evaluation. Single disc herniation is noted in the primary posterior in the L5/S1 disc space. There is narrowing of the L5/S1 disc space. Postoperative image demonstrates a corset to be present in the L5/S1 disc space.  
 01/25/17, Follow up evaluation report, Mount Kisco Office, Barry J. Kinsner, M.D.  
 I.K. 23.

01/16/17, X-ray report of the lumbar spine, New York-Presbyterian/Hudson Valley Hospital, Department of Radiology, Dr. Paul Kim, Impression: Large left paracentral disc extrusion at L5-S1 level which extends inferiorly below the level of disc space associated with tear of posterior annulus impinging on the left S1 nerve root and causing severe left paracentral spinal stenosis. Recommended clinical correlation for left S1 radiculopathy.

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Related Records

- A **Records List** is an index that summarizes the unique in-scope **Records** for that Request (using data captured in columns). It includes all in-scope **Records** for that **Request** in chronological order.
- Azure blob and SharePoint list are already created.