

# SCOPE OF WORK

SOW NO:3 EFFECTIVE DATE: 5/20/2021

## **1. Detailed description of project to be accomplished by Cloud Operations Engineer: Cloud Operations will provide Saroja Macharla for this SOW in support of Data Extraction AWS Migration project**

Design a solution to move our [current state](#) to AWS, utilizing native AWS solutions. We would need a solution that is customizable by the DEXTR team. For example, when adding new clients or changing existing ones, we could setup/modify a configuration file that would have which functions to run in what order. That file might include steps like input file parameters (include/exclude files), find/replace modifications, output file parameters (zip, where to send the file), who to notify on error, etc. We also need the VM Monitor and Scraper tools migrated to AWS.

General project information: [Project Overview](#)

### **Requirements**

- [Ability to run all existing scripts currently on ingestion0](#) Actual scripts here: [Active Scripts](#)
  - Process files by file type
  - pull from/send to sftp
  - zip/unzip file
  - connect to network storage (possibly off aws, internal optum network)
  - decrypt files
  - convert xls to csv
  - change text within files (find/replace)
  - write/read logs
  - file handling (copy, move, del)
  - send email notifications
- som-datamgt1.humedica.net
  - [VM monitor](#)
  - [Scraper](#)

Non-native AWS solution for reference: [Lift & Shift Plan](#)

## **2. Deliverables to be produced by Cloud Operations Engineer**

*List all deliverables to be produced by Cloud Operations Engineer and describe them with as much detail as possible*

1. AWS architecture design

**3. Estimated date of completion for each deliverable**

1. 6/15/21

**4. Acceptance criteria for each deliverable**

1. Diagram could be delivered to an AWS engineer to build and meets above requirements.

**5. Time spent on meetings**

*Describe the different meetings the Cloud Operations engineer will need to attend and the duration*

1. We have a recurring check in on Tuesday morning and Thursday morning that can be used for questions and updates.

SOW Created By: Derek Roberts

SOW Created Date: 4/14/21

SOW Accepted By: Kushal Naidu

SOW Accepted Date:5/20/21