

```
[{"id":"2602cc11.36f02c","type":"tab","label":"SecurelyShare Stage
1","disabled":false,"info":"","{
  "id":"c9a07974.6b7ac8","type":"http
in","z":"2602cc11.36f02c","name":"Authenticate","url":"/securelyshare/api/v1/login","method":"po
st","upload":false,"swaggerDoc":"","x":90,"y":160,"wires":[["c8fcf3c9.cad3","8480cb4a.b1c8f8","9
3c8cb17.9e1d08"]],"info":"Host:\\n\\nhttps://app.thirdray.io\\nURI:/api/v1/login\\n\\nRequest String:
<HOST><URI>\\nPOST:\\nGET:"},{
  "id":"93c8cb17.9e1d08","type":"http
response","z":"2602cc11.36f02c","name":"","statusCode":"","headers":{},"x":910,"y":160,"wires":[]
},{
  "id":"7269d07b.170698","type":"http request","z":"2602cc11.36f02c","name":"Login to 3R
Services","method":"POST","ret":"txt","paytoqs":"ignore","url":"https://app.thirdray.ai/","tls":"","per
sist":false,"proxy":"","authType":"","x":580,"y":180,"wires":[["50e9ea18.4f235c"]]},
  {"id":"c8fcf3c9.cad3","type":"function","z":"2602cc11.36f02c","name":"Process
Credentials","func":"session_token = flow.get(\"session_token\");\\ncsrf_token =
flow.get(\"csrf_token\");\\n\\nmsg.req.cookies =
csrf_token+\";\"+session_token;\\nmsg.req.body[\"csrf_token\"] =
csrf_token;\\nmsg.req.body[\"remember\"] = \"on\";\\n\\nreturn
msg;","outputs":1,"noerr":0,"initialize":"","finalize":"","x":320,"y":180,"wires":[["7269d07b.170698",
"f7d38158.92feb"]]},
  {"id":"8480cb4a.b1c8f8","type":"debug","z":"2602cc11.36f02c","name":"3R
Auth
Credentials","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"payload","t
argetType":"msg","statusVal":"","statusType":"auto","x":320,"y":220,"wires":[]},
  {"id":"67bece95.8c
ccd","type":"http in","z":"2602cc11.36f02c","name":"PII
Classifier","url":"/api/v1/classifier/pii","method":"post","upload":false,"swaggerDoc":"","x":70,"y":2
960,"wires":[["68cde8e2.86996"]]},
  {"id":"33d30e81.418962","type":"http
response","z":"2602cc11.36f02c","name":"PII Classifier
Response","statusCode":"","headers":{},"x":490,"y":2960,"wires":[]},
  {"id":"68cde8e2.86996","type
":"function","z":"2602cc11.36f02c","name":"","func":"body = msg.req.body;\\n\\ninputString =
body.piiString;\\n\\nmsg.payload[\"audio\"] = inputString;\\n\\nreturn
msg;","outputs":1,"noerr":0,"initialize":"","finalize":"","x":260,"y":2960,"wires":[["33d30e81.418962
"]]},
  {"id":"c73bf226.04958","type":"comment","z":"2602cc11.36f02c","name":"In
progress","info":"","x":80,"y":120,"wires":[]},
  {"id":"98cbaf09.de5c9","type":"inject","z":"2602cc11.3
6f02c","name":"Trigger Flow
Preparation","props":[{"p":"payload"},{"p":"topic","vt":"str"}],"repeat":"","crontab":"","once":true,"on
ceDelay":0.1,"topic":"","payload":"","payloadType":"date","x":140,"y":40,"wires":[["deae3644.f513
c"]]},
  {"id":"deae3644.f513c","type":"http request","z":"2602cc11.36f02c","name":"Get 3R Services
CSRF
Cookie","method":"GET","ret":"txt","paytoqs":"ignore","url":"https://app.thirdray.ai/login?next=http
%3A%2F%2F3r_server%2F","tls":"","persist":false,"proxy":"","authType":"","x":450,"y":40,"wires"
:[["269a6a5.c90e796","c64c0354.329718"]]},
  {"id":"c64c0354.329718","type":"debug","z":"2602cc
11.36f02c","name":"3R Auth
Credentials","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"flow","targe
tType":"jsonata","statusVal":"","statusType":"auto","x":780,"y":120,"wires":[]},
  {"id":"269a6a5.c90e
796","type":"change","z":"2602cc11.36f02c","name":"Store CSRF & Session Tokens in Flow
Context","rules":[{"t":"set","p":"csrf_token","pt":"flow","to":"headers.set-cookie[0]","tot":"msg"},
{"t":"set","p":"session_token","pt":"flow","to":"headers.set-cookie[1]","tot":"msg"}],"action":"","property
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{},"from":"","to":"","reg":false,"x":820,"y":40,"wires":[["e3fca444.53b7c"]],{"id":"f7d38158.92feb","type":"debug","z":"2602cc11.36f02c","name":"Verify Flow Context Update","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":true,"targetType":"full","statusVal":"","statusType":"auto","x":600,"y":240,"wires":[],{"id":"e3fca444.53b7c","type":"debug","z":"2602cc11.36f02c","name":"","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":true,"targetType":"full","statusVal":"","statusType":"auto","x":1130,"y":40,"wires":[],{"id":"50e9ea18.4f235c","type":"debug","z":"2602cc11.36f02c","name":"Response from 3R for Login","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":true,"targetType":"full","statusVal":"","statusType":"auto","x":840,"y":200,"wires":[],{"id":"10d368f.22d7b97","type":"http response","z":"2602cc11.36f02c","name":"Document Data Source Response","statusCode":"","headers":{"x":2660,"y":600,"wires":[],{"id":"938213cf.f8d1a8","type":"pythonshell in","z":"2602cc11.36f02c","name":"Py: Extract Document Content","pyfile":"/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/s2_3_4_process_documents.py","virtualenv":"/home/dsie/Developer/sandbox/.venv","continuous":false,"stdinData":false,"x":1690,"y":600,"wires":[["225602a0.824d26","29858d96.e1a3ca"]],{"id":"f4ad0b4d.d07b3","type":"pythonshell in","z":"2602cc11.36f02c","name":"Py: Prepare Document Layout Map","pyfile":"/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/s1_3_getHtml.py","virtualenv":"/home/dsie/Developer/sandbox/.venv","continuous":false,"stdinData":false,"x":1060,"y":600,"wires":[["2d3fbf9e.18c438","beb521cf.e221c"]],{"id":"ba8497f6.2ca84","type":"function","z":"2602cc11.36f02c","name":"Document Upload & Process","func":"// PDF Path /home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/pdfn// HTML Path /home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/htmln// Model Path /home/dsie/Developer/sandbox/3ray/3rml/kbc_process/modeln\\nreturn msg","outputs":1,"noerr":0,"initialize":"","finalize":"","x":360,"y":2900,"wires":[[]],{"id":"9cd9a627.e2a","type":"http in","z":"2602cc11.36f02c","name":"Document Data Source","url":"/api/v1/documents","method":"post","upload":true,"swaggerDoc":"","x":120,"y":640,"wires":[["67c6421f.e70a84","e1b387b8.e4d3"]],{"id":"e1b387b8.e4d3","type":"switch","z":"2602cc11.36f02c","name":"Route","property":"req","propertyType":"msg","rules":[{"t":"hask","v":"files","vt":"str"},{"t":"hask","v":"query","vt":"str"},{"t":"jsonata_exp","v":"\$contains(query.q,'with_pii)","vt":"jsonata"},{"t":"jsonata_exp","v":"\$contains(query.q,'pii_segments_of)","vt":"jsonata"}],"checkall":false,"repair":false,"outputs":4,"x":330,"y":640,"wires":[["4f8ab607.58f9","14011f0d.464b91"],["4ab3dc4e.71924c"],[],[]],{"id":"67c6421f.e70a84","type":"debug","z":"2602cc11.36f02c","name":"Get Call Params","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":true,"targetType":"full","statusVal":"","statusType":"auto","x":260,"y":500,"wires":[],{"id":"9a357479.761ff","type":"file","z":"2602cc11.36f02c","name":"Save File in Data Lake","filename":"","appendNewline":false,"createDir":false,"overwriteFile":true,"encoding":"none","x":920,"y":460,"wires":[["47906132.f78ea8"]],{"id":"4f8ab607.58f9","type":"debug","z":"2602cc11.36f02c","name":"Got file","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"req.files","targetType":"msg","statusVal":"","statusType":"auto","x":520,"y":440,"wires":[],{"id":"14011f0d.464b91","type":"function","z":"2602cc11.36f02c","name":"Process File Buffer","func":"// PDF Path /home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/pdfnfilePath =

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/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/pdf/";\nhtmlPath =
/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/html/";\n\nif(msg.req.files &&
msg.req.files.length > 0) {\n  msg.filename = filePath + msg.req.files[0].originalname;\n
msg.filePath = filePath;\n  msg.htmlPath = htmlPath;\n  msg.payload =
msg.req.files[0].buffer\n}\nreturn
msg;","outputs":1,"noerr":0,"initialize":"","finalize":"","x":630,"y":520,"wires":[["9a357479.761ff","3
cdc258f.578a12"]]],{"id":"47906132.f78ea8","type":"debug","z":"2602cc11.36f02c","name":"After
Save
File","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"payload","targetTy
pe":"msg","statusVal":"","statusType":"auto","x":1160,"y":460,"wires":[]},{id:"4ab3dc4e.71924c",
"type":"function","z":"2602cc11.36f02c","name":"Prepare Data; Initiate
Processing","func":"docPath = flow.get('filePath') ||
/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/pdf/";\nhtmlPath =
flow.get('htmlPath') ||
/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/html/";\nif (msg.req.query.q
== 'process'){
  msg.payload = {\n    // doc_name: msg.payload.name.indexOf('.pdf') >=0 ?
msg.payload.name : msg.payload.name+msg.payload.type,\n    // doc_name:
flow.get('last_file_name') || docPath+msg.req.body.name,\n    doc_name:
docPath+(msg.req.body.name ? msg.req.body.name : ''),\n    //TODO Handle a queue of
files\n    //TODO Add validation for file name and extension\n    html_path:
htmlPath+(msg.req.body.name ? msg.req.body.name.replace(/\\.[^./]+$/, '\\.html') : ''),\n
org_user: msg.payload.orgUser || 'default',\n    q: msg.req.query.q\n  }\n}\nreturn
msg;\n","outputs":2,"noerr":0,"initialize":"","finalize":"","x":680,"y":580,"wires":[["f4ad0b4d.d07b3",
"9895bffb.03d378","d3f491d8.2245d"],[]]],{"id":"c0de55c2.b57cb8","type":"inject","z":"2602cc11.3
6f02c","name":"","props":[{"p":"payload"}, {"p":"topic","vt":"str"}],"repeat":"","crontab":"","once":fals
e,"onceDelay":0.1,"topic":"","payload":"","payloadType":"date","x":760,"y":620,"wires":[["f4ad0b4
d.d07b3"]]],{"id":"beb521cf.e221c","type":"debug","z":"2602cc11.36f02c","name":"1. Output from
prepare
layout","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"payload","target
Type":"msg","statusVal":"","statusType":"auto","x":1290,"y":660,"wires":[]},{id:"3cdc258f.578a12",
"type":"change","z":"2602cc11.36f02c","name":"Set last file
name","rules":[{"t":"set","p":"last_file_name","pt":"flow","to":"filename","tot":"msg"}],{"t":"set","p":"fil
ePath","pt":"flow","to":"filePath","tot":"msg"}, {"t":"set","p":"htmlPath","pt":"flow","to":"htmlPath","tot
":"msg"}], "action":"","property":"","from":"","to":"","reg":false,"x":2490,"y":520,"wires":[["10d368f.2
2d7b97"]]],{"id":"9895bffb.03d378","type":"debug","z":"2602cc11.36f02c","name":"Params to
Python","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","targetTyp
e":"full","statusVal":"","statusType":"auto","x":960,"y":680,"wires":[]},{id:"2d3fbf9e.18c438","type
":"function","z":"2602cc11.36f02c","name":"Prepare step 1 response object","func":"msg.res =
flow.get('c2ResponseObject');\nmsg.req = flow.get('c2RequestObject');\noriginalPayload =
flow.get('c2PayloadObject');\nmsg.payload = originalPayload;\n// msg.step1Payload =
JSON.parse(msg.payload);\nreturn msg;","outputs":1,"noerr":0,"initialize":""," Code added here
will be run once\n// whenever the node is deployed.\npayload =
[]","finalize":"","x":1370,"y":600,"wires":[["938213cf.f8d1a8"]]],{"id":"d3f491d8.2245d","type":"cha
nge","z":"2602cc11.36f02c","name":"Save response

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object", "rules": [{"t": "set", "p": "c2ResponseObject", "pt": "flow", "to": "res", "tot": "msg"}, {"t": "set", "p": "c2PayloadObject", "pt": "flow", "to": "payload", "tot": "msg"}, {"t": "set", "p": "c2RequestObject", "pt": "flow", "to": "req", "tot": "msg"}], "action": "", "property": "", "from": "", "to": "", "reg": false, "x": 1020, "y": 540, "wires": [[]], {"id": "ec045e6e.550ce8", "type": "debug", "z": "2602cc11.36f02c", "name": "Response for Prepare Data; Initial Processing", "active": true, "tosidebar": true, "console": false, "tostatus": false, "complete": "true", "targetType": "full", "statusVal": "", "statusType": "auto", "x": 2310, "y": 560, "wires": []}, {"id": "44fb959d.cd2e0c", "type": "function", "z": "2602cc11.36f02c", "name": "Prepare Data; Initiate Processing", "func": "docPath = flow.get('filePath') || '/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/pdf/';\nhtmlPath = flow.get('htmlPath') || '/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/html/';\nmsg.payload = {\n // doc_name: msg.payload.name.indexOf('.pdf') >=0 ? msg.payload.name : msg.payload.name+msg.payload.type,\n // doc_name: flow.get('last_file_name') || docPath+msg.req.body.name,\n // doc_name: docPath+msg.req.body.name,\n //TODO Handle a queue of files\n //TODO Add validation for file name and extension\n html_path: htmlPath+msg.req.body.name,\n org_user: msg.payload.orgUser || 'default'\n}\nreturn msg;\n\n", "outputs": 1, "noerr": 0, "initialize": "", "finalize": "", "x": 1000, "y": 2960, "wires": [[]], {"id": "225602a0.824d26", "type": "debug", "z": "2602cc11.36f02c", "name": "2. Output from process docs", "active": true, "tosidebar": true, "console": false, "tostatus": false, "complete": "true", "targetType": "full", "statusVal": "", "statusType": "auto", "x": 1940, "y": 680, "wires": []}, {"id": "29858d96.e1a3ca", "type": "function", "z": "2602cc11.36f02c", "name": "Prepare step 2 response object", "func": "msg.res = flow.get('c2ResponseObject')\nmsg.payload = {status: JSON.parse(msg.payload)}\n// msg.payload = {status: msg.payload}\nreturn msg;\n", "outputs": 1, "noerr": 0, "initialize": "", "finalize": "", "x": 1990, "y": 600, "wires": [{"id": "ec045e6e.550ce8", "x": 10d368f.22d7b97"}], {"id": "9a81fc0b.b3749", "type": "pythonshell in", "z": "2602cc11.36f02c", "name": "Py: Process and return output", "pyfile": "/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/s7_process_output.py", "virtualenv": "/home/dsie/Developer/sandbox/.venv", "continuous": false, "stdinData": false, "x": 2110, "y": 1060, "wires": [{"id": "2f85397c.a5856e", "x": d0fec097.0b76a8"}], {"id": "9c2c76f6.31c95", "type": "python shell in", "z": "2602cc11.36f02c", "name": "Py: Get PII for Document at :path", "pyfile": "/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/s5_getparser.py", "virtualenv": "/home/dsie/Developer/sandbox/.venv", "continuous": false, "stdinData": false, "x": 1300, "y": 1140, "wires": [{"id": "5859e462.d0300c", "x": b0ac6c18.d62d68"}], {"id": "6697fe5d.ebf5b", "type": "function", "z": "2602cc11.36f02c", "name": "Prepare Data; Initiate Processing PII for Document", "func": "docPath = flow.get('filePath') || '/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/pdf/';\nhtmlPath = flow.get('htmlPath') || '/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/html/';\nif (msg.req.query.q == 'process'){ msg.payload = {\n // doc_name: msg.payload.name.indexOf('.pdf') >=0 ? msg.payload.name : msg.payload.name+msg.payload.type,\n // doc_name: flow.get('last_file_name') || docPath+msg.req.body.name,\n // doc_name: docPath+msg.req.body.name,\n //TODO Handle a queue of files\n //TODO Add validation for file name and extension\n html_path:

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Path+msg.req.body.name.replace(/\\.[^.]+"$/,"").org_user:
msg.payload.orgUser || 'default',\n      q: msg.req.query.q\n    }\n\nreturn
msg;\n","outputs":1,"noerr":0,"initialize":"","finalize":"","x":770,"y":1100,"wires":[["4c273ebb.a09cf8","9c2c76f6.31c95","6619c154.5bb74"]],{"id":"47ef1117.f0e2e8","type":"inject","z":"2602cc11.36f02c","name":"","props":[{"p":"payload"}, {"p":"topic","vt":"str"}],"repeat":"","crontab":"","once":false,"onceDelay":0.1,"topic":"","payload":"","payloadType":"date","x":900,"y":1160,"wires":[["9c2c76f6.31c95"]],{"id":"b0ac6c18.d62d68","type":"debug","z":"2602cc11.36f02c","name":"1. Output from PII for Document at
:path","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"payload","targetType":"msg","statusVal":"","statusType":"auto","x":1580,"y":1220,"wires":[]}, {"id":"6619c154.5bb74","type":"debug","z":"2602cc11.36f02c","name":"Params to
Python","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","targetType":"full","statusVal":"","statusType":"auto","x":1110,"y":1180,"wires":[]}, {"id":"5859e462.d0300c","type":"function","z":"2602cc11.36f02c","name":"Prepare response object for Get PII","func":"msg.res = flow.get('c2ResponseObject');\nmsg.req =
flow.get('c2RequestObject');\noriginalPayload = flow.get('c2PayloadObject');\n// msg.payload =
originalPayload;\n// msg.step1Payload = JSON.parse(msg.payload)\nmsg.payload =
JSON.parse(msg.payload);\nreturn msg;","outputs":1,"noerr":0,"initialize":"","Code added here
will be run once\n// whenever the node is deployed.\npayload =
[],"finalize":"","x":1820,"y":1140,"wires":[["5c255da0.6d087c"]],{"id":"1dbbe6c2.a6d719","type":"debug","z":"2602cc11.36f02c","name":"Response for Prepare Data; Initial
Processing","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","targetType":"full","statusVal":"","statusType":"auto","x":2850,"y":1080,"wires":[]}, {"id":"2f85397c.a5856e","type":"debug","z":"2602cc11.36f02c","name":"3. Output from Process and return
output","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","targetType":"full","statusVal":"","statusType":"auto","x":2540,"y":1020,"wires":[]}, {"id":"d0fec097.0b76a8","type":"function","z":"2602cc11.36f02c","name":"Prepare response object","func":"msg.res =
flow.get('c2ResponseObject')\nmsg.payload = {status: JSON.parse(msg.payload)}\nreturn
msg;","outputs":1,"noerr":0,"initialize":"","finalize":"","x":2490,"y":1120,"wires":[["1dbbe6c2.a6d719"]],{"id":"4c273ebb.a09cf8","type":"change","z":"2602cc11.36f02c","name":"Save response
object","rules":[{"t":"set","p":"c2ResponseObject","pt":"flow","to":"res","tot":"msg"}],{"t":"set","p":"c2PayloadObject","pt":"flow","to":"payload","tot":"msg"}, {"t":"set","p":"c2RequestObject","pt":"flow","to":"req","tot":"msg"}], "action":"","property":"","from":"","to":"","reg":false,"x":1160,"y":1080,"wires":[]}, {"id":"1618e1a.473fa9e","type":"pythonshell in","z":"2602cc11.36f02c","name":"Py:
Process and return
output","pyfile":"/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/s7_process_output.py","virtualenv":"/home/dsie/Developer/sandbox/.venv","continuous":false,"stdInData":false,"x":1690,"y":1340,"wires":[["c77c55a4.f793f","a618dcc9.eb8db8"]], {"id":"daf7586d.17716","type":"pythonshell in","z":"2602cc11.36f02c","name":"Py: List all documents with
PII","pyfile":"/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/s1_6_documents_with_pii.py","virtualenv":"/home/dsie/Developer/sandbox/.venv","continuous":false,"stdInData":false,"x":1090,"y":1360,"wires":[["f8b3ffbf.f1d96","caae8b8.256f998"]], {"id":"843f317b.161f2","type":"function","z":"2602cc11.36f02c","name":"Prepare Data; All documents with PII","func":"docPath =
flow.get('filePath') ||
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/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/pdf/";\nhtmlPath =
flow.get('htmlPath') ||
'/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/html/';\nif (msg.req.query.q
== 'process'){
  msg.payload = {
    // doc_name: msg.payload.name.indexOf('.pdf') >= 0 ?
    msg.payload.name : msg.payload.name+msg.payload.type,\n    // doc_name:
    flow.get('last_file_name') || docPath+msg.req.body.name,\n    doc_name:
    docPath+msg.req.body.name,\n    //TODO Handle a queue of files\n    //TODO Add
    validation for file name and extension\n    html_path:
    htmlPath+(msg.req.body.name.replace(/\\.[^/]+$/, '\\.html\\')\n),\n    org_user:
    msg.payload.orgUser || 'default',\n    q: msg.req.query.q\n  }\n}\nreturn
msg;\n", "outputs": 1, "noerr": 0, "initialize": "", "finalize": "", "x": 730, "y": 1320, "wires": [
["365f22d7.ebc806", "daf7586d.17716", "613e403f.9c7928"]], {"id": "63674791.124558", "type": "inject", "z": "2602cc11.36f02c", "name": "", "props": [{"p": "payload"}, {"p": "topic", "vt": "str"}], "repeat": "", "crontab": "", "once": false, "onceDelay": 0.1, "topic": "", "payload": "", "payloadType": "date", "x": 800, "y": 1360, "wires": [
["daf7586d.17716"]], {"id": "caae8b8.256f998", "type": "debug", "z": "2602cc11.36f02c", "name": "1. Output from prepare
layout", "active": true, "tosidebar": true, "console": false, "tostatus": false, "complete": "payload", "target
Type": "msg", "statusVal": "", "statusType": "auto", "x": 1330, "y": 1400, "wires": [
], {"id": "613e403f.9c7928", "type": "debug", "z": "2602cc11.36f02c", "name": "Params to
Python", "active": true, "tosidebar": true, "console": false, "tostatus": false, "complete": "true", "targetTyp
e": "full", "statusVal": "", "statusType": "auto", "x": 1030, "y": 1400, "wires": [
], {"id": "f8b3ffbf.f1d96", "type": "function", "z": "2602cc11.36f02c", "name": "Prepare response object", "func": "msg.res =
flow.get('c2ResponseObject');\nmsg.req = flow.get('c2RequestObject');\noriginalPayload =
flow.get('c2PayloadObject');\nmsg.payload = originalPayload;\nmsg.step1Payload =
JSON.parse(msg.payload)\nreturn msg;", "outputs": 1, "noerr": 0, "initialize": "// Code added here
will be run once\n// whenever the node is deployed.\npayload =
[
], "finalize": "", "x": 1390, "y": 1340, "wires": [
["1618e1a.473fa9e"]], {"id": "60235882.0daf5", "type": "de
bug", "z": "2602cc11.36f02c", "name": "Response for Prepare Data; Initial
Processing", "active": true, "tosidebar": true, "console": false, "tostatus": false, "complete": "true", "targe
tType": "full", "statusVal": "", "statusType": "auto", "x": 2470, "y": 1400, "wires": [
], {"id": "c77c55a4.f793f", "type": "debug", "z": "2602cc11.36f02c", "name": "4. Output from Process and return
output", "active": true, "tosidebar": true, "console": false, "tostatus": false, "complete": "true", "targetTyp
e": "full", "statusVal": "", "statusType": "auto", "x": 1840, "y": 1400, "wires": [
], {"id": "a618dcc9.eb8db8", "t
ype": "function", "z": "2602cc11.36f02c", "name": "Prepare response object", "func": "msg.res =
flow.get('c2ResponseObject')\nmsg.payload = {status: JSON.parse(msg.payload)}\nreturn
msg;", "outputs": 1, "noerr": 0, "initialize": "", "finalize": "", "x": 2150, "y": 1340, "wires": [
["60235882.0daf5"]], {"id": "365f22d7.ebc806", "type": "change", "z": "2602cc11.36f02c", "name": "Save response
object", "rules": [{"t": "set", "p": "c2ResponseObject", "pt": "flow", "to": "res", "tot": "msg"}, {"t": "set", "p": "c
2PayloadObject", "pt": "flow", "to": "payload", "tot": "msg"}, {"t": "set", "p": "c2RequestObject", "pt": "flow",
"to": "req", "tot": "msg"}], "action": "", "property": "", "from": "", "to": "", "reg": false, "x": 1040, "y": 1320, "wire
s": [
["f8b3ffbf.f1d96"]], {"id": "65c109a9.988918", "type": "http
in", "z": "2602cc11.36f02c", "name": "Document Data Source for
PII", "url": "/api/v1/documents", "method": "get", "upload": true, "swaggerDoc": "", "x": 140, "y": 1200, "wir
es": [
["3ae02c74.c4ee4c", "c8dbd3b2.6fe46"]], {"id": "3ae02c74.c4ee4c", "type": "switch", "z": "2602c

```

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c11.36f02c","name":"Route","property":"req","propertyType":"msg","rules":[{"t":"jsonata_exp","v":"$contains(req.query.q,'with_pii')","vt":"jsonata"},"t":"jsonata_exp","v":"$contains(req.query.q,'pii_segments_of')","vt":"jsonata"}],"checkall":"false","repair":false,"outputs":2,"x":390,"y":1200,"wires":[{"id":"6697fe5d.ebf5b","9362632f.ea42e"},{"id":"843f317b.161f2","7269ec70.c0ba34"}]},{"id":"5c255da0.6d087c","type":"http response","z":"2602cc11.36f02c","name":"Document Data Source Response","statusCode":"","headers":{"x":2640,"y":1260,"wires":[]},"id":"c8dbd3b2.6fe46","type":"debug","z":"2602cc11.36f02c","name":"Get Call Params Doc PII","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":true,"targetType":"full","statusVal":"","statusType":"auto","x":250,"y":1000,"wires":[]},"id":"9362632f.ea42e","type":"debug","z":"2602cc11.36f02c","name":"GET PII Route 1","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":true,"targetType":"full","statusVal":"","statusType":"auto","x":520,"y":1060,"wires":[]},"id":"7269ec70.c0ba34","type":"debug","z":"2602cc11.36f02c","name":"GET PII Route 2","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":true,"targetType":"full","statusVal":"","statusType":"auto","x":400,"y":1320,"wires":[]},"id":"4ea7ae48.570ad8","type":"http in","z":"2602cc11.36f02c","name":"Upload Data Subject List","url":"/api/v1/subjects","method":"post","upload":true,"swaggerDoc":"","x":160,"y":1500,"wires":[{"id":"3d5c912.112e36e"},"id":"3d5c912.112e36e","type":"http response","z":"2602cc11.36f02c","name":"","statusCode":"","headers":{"x":490,"y":1500,"wires":[]},"id":"71f2a3ca.5664bc","type":"google-drive","z":"2602cc11.36f02c","name":"GetDriveFile","admin":"801aa20.d439c6","fileId":"","operation":"getFile","allDrives":true,"targetName":"","mime":"nop","role":"owner","permType":"user","emailAddress":"","domain":"","allowFileDiscovery":"","x":930,"y":1720,"wires":[{"id":"9e002aea.386e2","3975dc1b.8de224","33d04e9d.f17a52"}]},{"id":"e2f26814.df5bf8","type":"inject","z":"2602cc11.36f02c","name":"","props":{"p":"payload"},"p":"topic","vt":"str"},"repeat":"","crontab":"","once":false,"onceDelay":0.1,"topic":"","payload":"","payloadType":"date","x":760,"y":1680,"wires":[{"id":"71f2a3ca.5664bc"}]},{"id":"9e002aea.386e2","type":"debug","z":"2602cc11.36f02c","name":"","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":false,"statusVal":"","statusType":"auto","x":1110,"y":1760,"wires":[]},"id":"b023740e.aafef8","type":"inject","z":"2602cc11.36f02c","name":"File Name","props":[],"repeat":"","crontab":"","once":false,"onceDelay":0.1,"topic":"","x":120,"y":1860,"wires":[{"id":"49f87234.e27b3c"}]},{"id":"b959b0c6.b394d8","type":"http in","z":"2602cc11.36f02c","name":"Google API Endpoint","url":"/api/v1/google","method":"get","upload":false,"swaggerDoc":"","x":140,"y":1720,"wires":[{"id":"5afadf8e.d6ad08"}]},{"id":"8fbf0e4e.fc13c","type":"http response","z":"2602cc11.36f02c","name":"GDrive Files List","statusCode":"","headers":{"x":1300,"y":1680,"wires":[]},"id":"5afadf8e.d6ad08","type":"switch","z":"2602cc11.36f02c","name":"Route Query","property":"req","propertyType":"msg","rules":[{"t":"jsonata_exp","v":"$contains(req.query.q,'list_drive_files')","vt":"jsonata"},"t":"jsonata_exp","v":"$contains(req.query.q,'process_drive_files')","vt":"jsonata"},"t":"jsonata_exp","v":"$contains(req.query.q,'all_pii')","vt":"jsonata"},"t":"nnull"},"checkall":"false","repair":false,"outputs":4,"x":390,"y":1720,"wires":[{"id":"71f2a3ca.5664bc","a5718c60.aca92"},{"id":"49f87234.e27b3c"},{"id":"b58185f4.9237a8","8fbfd9c8.0a1e3"},{"id":"43378506.088bbc","9e8427ee.706d98"}]},{"id":"a5718c60.aca92","type":"function","z":"2602cc11.36f02c","name":"Check filter","func":"msg.payload = msg.req.query.type;\nreturn

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msg;,"outputs":1,"noerr":0,"initialize":"","finalize":"","x":570,"y":1660,"wires":[["3b8f4d57.bf02da"]
],{"id":"8fbfd9c8.0a1e3","type":"debug","z":"2602cc11.36f02c","name":"Message
Object","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","targetTyp
e":"full","statusVal":"","statusType":"auto","x":640,"y":1740,"wires":[],{"id":"3b8f4d57.bf02da","typ
e":"change","z":"2602cc11.36f02c","name":"Set
type","rules":[{"t":"set","p":"requestedFileType","pt":"flow","to":"payload","tot":"msg"}],"action":"","
property":"","from":"","to":"","reg":false,"x":760,"y":1600,"wires":[["b53da5f2.52874"]],{"id":"b53da
5f2.52874","type":"debug","z":"2602cc11.36f02c","name":"","active":true,"tosidebar":true,"consol
e":false,"tostatus":false,"complete":"false","statusVal":"","statusType":"auto","x":990,"y":1600,"wir
es":[],{"id":"3975dc1b.8de224","type":"function","z":"2602cc11.36f02c","name":"","func":"selecte
dType = 'all'\ntypeFromRequest = flow.get('requestedFileType');\nif (typeFromRequest ===
'gdocs'){
  selectedType = 'vnd.google-apps.document'\n} else if (typeFromRequest ===
'gsheets'){
  selectedType = 'vnd.google-apps.spreadsheet'\n} else if (typeFromRequest ===
'gslides'){
  selectedType = 'vnd.google-apps.presentation'\n}\nfinalList = []\nif (selectedType
=== 'all'){
  finalList = msg.payload.files\n} else {
  msg.payload.files.forEach((item) => {\n
  if (item.mimeType.indexOf(selectedType) > -1) {\n
    finalList.push(item); \n
  })\n}\n\nmsg.payload = finalList;\nreturn
msg;,"outputs":1,"noerr":0,"initialize":"","finalize":"","x":1100,"y":1680,"wires":[["8fbf0e4e.fc13c"]
],{"id":"7746cc89.9b1f8c","type":"inject","z":"2602cc11.36f02c","name":"","props":[{"p":"req.query.
q","v":"list_drive_files","vt":"jsonata"},{"p":"topic","vt":"str"}],"repeat":"","crontab":"","once":false
,"onceDelay":0.1,"topic":"","x":110,"y":1780,"wires":[["5afadf8e.d6ad08"]],{"id":"33d04e9d.f17a5
2","type":"google-drive","z":"2602cc11.36f02c","name":"Get file by
ID","admin":"801aa20.d439c6","fileId":"1bQkFcQrWFHGlte8oTVtq_zyKGlgpFIWAS5_5fi8OzjY","
operation":"getFile","allDrives":true,"targetName":"","mime":"nop","role":"owner","permType":"us
er","emailAddress":"","domain":"","allowFileDiscovery":"","x":1170,"y":1720,"wires":[["6eea9074.e
524d"]],{"id":"6eea9074.e524d","type":"debug","z":"2602cc11.36f02c","name":"Got a file or
something","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"payload","ta
rgetType":"msg","statusVal":"","statusType":"auto","x":1380,"y":1720,"wires":[],{"id":"d5912a3e.4
9aa4","type":"debug","z":"2602cc11.36f02c","name":"Drive
Access","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"payload","targe
tType":"msg","statusVal":"","statusType":"auto","x":850,"y":1780,"wires":[],{"id":"1830cee7.a8dca
9","type":"google","z":"2602cc11.36f02c","name":"Drive Files
List","google":"51e96d07.03bd8c","api":"drive:v3","operation":"files.list","x":760,"y":1820,"wires":[
["489c9be6.18730c","d5912a3e.49aa4"]],{"id":"489c9be6.18730c","type":"function","z":"2602cc
11.36f02c","name":"Prepare params structure for file processing","func":"if
(Array.isArray(msg.payload.files) && msg.payload.files.length > 0) {\n  const genRanHex = size
=> [...Array(size)].map(() => Math.floor(Math.random() * 16).toString(16)).join("");\n  job_id =
genRanHex(16);\n  msg['driveFiles'] = msg.payload.files\n  msg.payload = {\n    \"job_id\":
job_id,\n    \"status\": \"OK\", \n    \"end_user_notice\": flow.get('end_user_notice') || 'For
support or queries contact support@thirdray.ai'\n  }\n} else {\n  msg.payload = {\n
  \"job_id\": 0,\n    \"status\": \"Drive does not contain any files or folders\"\n
}\n}\n\nmsg.payload[ \"end_user_notice\"] = flow.get('end_user_notice') || 'For support or queries
contact support@thirdray.ai';\n\njobs = flow.get('jobs')\n\nif (jobs === null || jobs === undefined)
{\n  flow.set('jobs', {[msg.payload.job_id]:[]}) \n} else {\n  jobs[msg.payload.job_id] = []\n

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flow.set('jobs', jobs)\n}\n\nreturn
msg;,"outputs":1,"noerr":0,"initialize":"","finalize":"","x":910,"y":1880,"wires":[[{"47c458c4.a87dd8",
,"6331f418.49efa4","7572cfa1.a0fd5"}]],{"id":"c03337f4.99ded","type":"function","z":"2602cc11.3
6f02c","name":"Prepare API Response","func":"\nreturn
msg;,"outputs":1,"noerr":0,"initialize":"","finalize":"","x":680,"y":2860,"wires":[[{}]],{"id":"47c458c4.
a87dd8","type":"http response","z":"2602cc11.36f02c","name":"Google API Endpoint -
process_drive_files
response","statusCode":"","headers":{},"x":1480,"y":1840,"wires":[[{}]],{"id":"804b9865.ee4dc","typ
e":"pythonshell in","z":"2602cc11.36f02c","name":"Py: Process GDrive Files for
PII","pyfile":"/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/google/drive_files_download
_prepare.py","virtualenv":"/home/dsie/Developer/sandbox/.venv","continuous":false,"stdinData":f
alse,"x":1050,"y":1960,"wires":[[{"d72fb027.180be8","75ec9d71.b457e4"}]],{"id":"d72fb027.180be
8","type":"debug","z":"2602cc11.36f02c","name":"Py: Process GDrive Files
Response","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":true,"target
Type":"full","statusVal":"","statusType":"auto","x":1280,"y":1920,"wires":[[{}]],{"id":"75ec9d71.b457e
4","type":"function","z":"2602cc11.36f02c","name":"Update Job Status","func":"msg.payload =
JSON.parse(msg.payload)\njobs = flow.get('jobs')\njobs[msg.payload.job_id] = { \n  files:
msg.payload.processed_files,\n  status: 'Started'\n}\n\nflow.set('jobs', jobs)\nmsg.job_id =
msg.payload.job_id\nreturn
msg;,"outputs":1,"noerr":0,"initialize":"","finalize":"","x":1090,"y":2000,"wires":[[{"5f6a0fc3.591d58
","a34b6aef.68934"}]],{"id":"49f87234.e27b3c","type":"function","z":"2602cc11.36f02c","name":"N
ull message payload","func":"msg.payload = null\nreturn
msg;,"outputs":1,"noerr":0,"initialize":"","finalize":"","x":560,"y":1820,"wires":[[{"1830cee7.a8dca9
"}]],{"id":"6331f418.49efa4","type":"change","z":"2602cc11.36f02c","name":"Set payload to files
array","rules":[{"t":"set","p":"payload.files","pt":"msg","to":"driveFiles","tot":"msg"}],"action":"","pro
perty":"","from":"","to":"","reg":false,"x":930,"y":1920,"wires":[[{"804b9865.ee4dc"}]],{"id":"5f6a0fc3
.591d58","type":"debug","z":"2602cc11.36f02c","name":"Job Status
Data","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":true,"targetType"
:"full","statusVal":"","statusType":"auto","x":1360,"y":1980,"wires":[[{}]],{"id":"7572cfa1.a0fd5","type"
:"debug","z":"2602cc11.36f02c","name":"Prepare params structure
output","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"payload","target
Type":"msg","statusVal":"","statusType":"auto","x":1080,"y":1820,"wires":[[{}]],{"id":"a2294c49.def7a
","type":"function","z":"2602cc11.36f02c","name":"Set file paths for processing","func":"jobs =
flow.get('jobs')\njob_id = msg.job_id\nmsg.original_pdf_path =
'/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/drive_documents/'+job_id+'/pdf/';\nmsg.
original_html_path =
'/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/drive_documents/'+job_id+'/html/';\nif
(msg.payload !== null){\n  msg.payload = {\n    doc_name:
msg.original_pdf_path+msg.payload.file,\n    html_path:
msg.original_html_path+msg.payload.file.replace(/\\.[^\\.]*/,$/, '\\.html\\'),\n    original_pdf_path:
'/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/drive_documents/'+job_id+'/pdf/',\n
original_html_path:
'/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/drive_documents/'+job_id+'/html/',\n
job_id: job_id,\n    part_index: msg.parts.index\n  }\n}\n\nif

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(Object.keys(jobs[job_id]).indexOf('count') == -1) {\n  jobs[job_id]['count'] = msg.parts.count\n}
\nif (jobs[job_id]['parts_done']) {\n  jobs[job_id]['parts_done'] += 1\n} else {\n
jobs[job_id]['parts_done'] = 1\n}\nflow.set('jobs', jobs)\n\nreturn
msg;\n","outputs":1,"noerr":0,"initialize":"","finalize":"","x":1300,"y":2120,"wires":[[{"a64a9a78.745
478"}]],{"id":"396b1b41.53a13c","type":"split","z":"2602cc11.36f02c","name":"","splitType":
"str","arraySplit":1,"arraySplitType":"len","stream":false,"addname":"","x":1170,"y":2080,"wires
":["a2294c49.def7a"}]],{"id":"a34b6aef.68934","type":"change","z":"2602cc11.36f02c","name":"","
rules":[{"t":"set","p":"payload","pt":"msg","to":"payload.processed_files","tot":"msg"}],"action":"","p
roperty":"","from":"","to":"","reg":false,"x":1140,"y":2040,"wires":[[{"396b1b41.53a13c"}]],{"id":"c1a
37ac.9054608","type":"pythonshell in","z":"2602cc11.36f02c","name":"Py: Prepare Document
Layout
Map","pyfile":"/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/google/s1_3_getHtml.py","
virtualenv":"/home/dsie/Developer/sandbox/.venv","continuous":false,"stdinData":false,"x":1720,"
y":2120,"wires":[[{"3f59063e.c48b12","ee7e3888.8485c8"}]],{"id":"27fd08f3.65495","type":"python
shell in","z":"2602cc11.36f02c","name":"Py: Extract Document
Content","pyfile":"/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/google/s2_3_4_proces
s_documents.py","virtualenv":"/home/dsie/Developer/sandbox/.venv","continuous":false,"stdinD
ata":false,"x":1590,"y":2440,"wires":[[{"5ee7abd3.21b49c","7771def2.051e58"}]],{"id":"3f59063e.c
48b12","type":"function","z":"2602cc11.36f02c","name":"Reset file paths for
processing","func":"payloadJSON = JSON.parse(msg.payload)\njob_id =
payloadJSON.job_id\njobs = flow.get('jobs')\n\nmsg.payload = JSON.parse(msg.payload)\n\nif
(job_id && jobs[job_id]) {\n  if (jobs[job_id]['count'] && \n    jobs[job_id]['parts_done'] ===
jobs[job_id]['count']){\n    jobs[job_id]['status'] = 'Layout mapped'\n    msg.payload = {\n
pdf_path: payloadJSON.original_pdf_path,\n    html_path:
payloadJSON.original_html_path,\n    job_id: job_id\n  }\n } else {\n  msg.payload
= \"Wait\"\n }\n}\nflow.set('jobs', jobs)\n\nreturn msg;","outputs":1,"noerr":0,"initialize":"","// Code
added here will be run once\n// whenever the node is deployed.\n\npayload =
[],\n\nfinalize":"","x":1830,"y":2180,"wires":[[{"30efcca.a5d4fb4"}]],{"id":"be7c12da.e70998","type":"d
ebug","z":"2602cc11.36f02c","name":"Verify Format 'Extract document content' output for
Parse","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","targetType
":"full","statusVal":"","statusType":"auto","x":2490,"y":2440,"wires":[],{"id":"5ee7abd3.21b49c","ty
pe":"function","z":"2602cc11.36f02c","name":"Format 'Extract document content' output for
Parse","func":"msg.payload = JSON.parse(msg.payload)\njob_id = msg.payload.job_id\n\njobs
= flow.get('jobs');\njobs[job_id]['status'] = 'Content Extracted'\nflow.set('jobs',
jobs)\n\nmsg.payload = {\n  pdf_path: msg.payload.location.pdf_path,\n  html_path:
msg.payload.location.html_path,\n  job_id: job_id,\n  context: null,\n  doc_name:
null\n}\n\nreturn
msg;","outputs":1,"noerr":0,"initialize":"","finalize":"","x":1980,"y":2440,"wires":[[{"be7c12da.e7099
8","8f951123.19c8a"}]],{"id":"36521444.54382c","type":"debug","z":"2602cc11.36f02c","name":"V
erify set file paths for
processing","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","target
Type":"full","statusVal":"","statusType":"auto","x":1840,"y":1940,"wires":[],{"id":"ee7e3888.8485c
8","type":"debug","z":"2602cc11.36f02c","name":"Verify document layout map
results","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","targetTyp

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