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1","disabled":false,"info":""},{"id":"c9a07974.6b7ac8","type":"http
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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
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sist":false,"proxy":"","authType":"","x":580,"y":180,"wires":[["50e9ea18.4f235c"]]},{"id":"c8fcf3c9.c
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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.reg.body[\"remember\"] = \"on\";\n\nreturn
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Auth
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body.piiString;\n\nmsg.payload[\"audio\"] = inputString; \n\nreturn
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Preparation", "props":[{"p":"payload"},{"p":"topic", "vt":"str"}], "repeat":"", "crontab":"", "once":true, "on
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Services CSRF
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%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
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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":
```

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```
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":"pythonshell in","z":"2602cc11.36f02c","name":"Py: Extract Document
Content","pyfile":"/home/dsie/Developer/sandbox/3ray/3rml/kbc process/s2 3 4 process docu
ments.py","virtualenv":"/home/dsie/Developer/sandbox/.venv","continuous":false,"stdInData":fals
e,"x":1690,"y":600,"wires":[["225602a0.824d26","29858d96.e1a3ca"]]},{"id":"f4ad0b4d.d07b3","ty
pe":"pythonshell in","z":"2602cc11.36f02c","name":"Py: Prepare Document Layout
Map","pyfile":"/home/dsie/Developer/sandbox/3ray/3rml/kbc process/s1 3 getHtml.py","virtuale
nv":"/home/dsie/Developer/sandbox/.venv","continuous":false,"stdInData":false,"x":1060,"y":600,
"wires":[["2d3fbf9e.18c438","beb521cf.e221c"]]},{"id":"ba8497f6.2ca84","type":"function","z":"260
2cc11.36f02c", "name": "Document Upload & Process", "func": "// PDF Path
/home/dsie/Developer/sandbox/3ray/3rml/kbc process/documents/pdf\n// HTML Path
/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/html\n// Model Path
/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/model\n\nreturn
msg;","outputs":1,"noerr":0,"initialize":"","finalize":"","x":360,"y":2900,"wires":[[]]},{"id":"9cd9a627.
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"jsonata"},{"t":"jsonata_exp","v":"$contains(query.q,'pii_segments_of')","vt":"jsonata"}],"checkall":
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ab3dc4e.71924c"],[],[]]\}, \\ \\ "id":"67c6421f.e70a84","type":"debug","z":"2602cc11.36f02c","name":"debug","z":"2602cc11.36f02c","name":"debug","z":"2602cc11.36f02c","name":"debug","z":"2602cc11.36f02c","name":"debug","z":"2602cc11.36f02c","name":"debug","z":"2602cc11.36f02c","name":"debug","z":"2602cc11.36f02c","name":"debug","z":"2602cc11.36f02c","name":"debug","z":"2602cc11.36f02c","name":"debug","z":"2602cc11.36f02c","name":"debug","z":"2602cc11.36f02c","name":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","z":"debug","debug","z":"debug","z":"debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debug","debu
Get Call
Params", "active": true, "tosidebar": true, "console": false, "tostatus": false, "complete": "true", "targetTy
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":"file","z":"2602cc11.36f02c","name":"Save File in Data
Lake", "filename": "", "appendNewline": false, "createDir": false, "overwriteFile": "true", "encoding": "no
ne","x":920,"y":460,"wires":[["47906132.f78ea8"]]},{"id":"4f8ab607.58f9","type":"debug","z":"2602
cc11.36f02c","name":"Got
file","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"req.files","targetTyp
e":"msg","statusVal":"","statusType":"auto","x":520,"y":440,"wires":[]},{"id":"14011f0d.464b91","ty
pe":"function", "z": "2602cc11.36f02c", "name": "Process File Buffer", "func": "// PDF Path
```

/home/dsie/Developer/sandbox/3ray/3rml/kbc_process/documents/pdf\nfilePath =

```
'/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.reg.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", "target Ty
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"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'){\n 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.reg.body.name,\n
                                                                                                                                            doc name:
docPath+(msg.reg.body.name ? msg.reg.body.name : "),\n
                                                                                                                                      //TODO Handle a queue of
                       //TODO Add validation for file name and extension\n
                                                                                                                                                html path:
htmlPath+(msg.reg.body.name? msg.reg.body.name.replace(/\\.[^/.]+$/, \".html\"): "),\n
org_user: msg.payload.orgUser || 'default',\n
                                                                                                        g: msg.reg.guery.g\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.
36f02c","name":"","props":[{"p":"payload"},{"p":"topic","vt":"str"}],"repeat":"","crontab":"","once":fal
se, "once Delay": 0.1, "topic": "", "payload": "", "payload Type": "date", "x": 760, "y": 620, "wires": [["f4ad0b": "], "payload": "", "payload": "payload"
4d.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.578a1
2","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": "filename", "tot": "msg"}, {"tot": "msg"}, {"t": "set", "p": "filename", "tot": "msg"}, {"tot": "msg"}
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":"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", "target Typ
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
```

```
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":1020,"y":540,"wires,
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Prepare Data; Initial
Processing", "active": true, "tosidebar": true, "console": false, "tostatus": false, "complete": "true", "targe
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","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/';\nmsq.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.reg.body.name,\n doc name: docPath+msg.reg.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":"2256
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:"full","statusVal":"","statusType":"auto","x":1940,"y":680,"wires":[]},{"id":"29858d96.e1a3ca","typ
e":"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;","outputs":1,"noerr":0,"initialize":"","finalize":"","x":1990,"y":600,"wires":[["ec045e6e.550ce8
","10d368f.22d7b97"]]},{"id":"9a81fc0b.b3749","type":"pythonshell
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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":[["2f85397c.a5856e","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","virtuale
nv":"/home/dsie/Developer/sandbox/.venv","continuous":false,"stdlnData":false,"x":1300,"y":114
0,"wires":[["5859e462.d0300c","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'){\n 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.reg.body.name,\n
                                                                  doc name:
docPath+msg.reg.body.name,\n
                                     //TODO Handle a queue of files\n
                                                                           //TODO Add
validation for file name and extension\n
                                            html_path:
```

```
htmlPath+(msg.reg.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":770,"y":1100,"wires":[["4c273ebb.a09cf
8","9c2c76f6.31c95","6619c154.5bb74"]]},{"id":"47ef1117.f0e2e8","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":900,"y":1160,"wires":[["9c2c76
f6.31c95"]]}, {"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", "targetT
ype":"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", "targetTyp
e":"full", "statusVal":"", "statusType": "auto", "x":1110, "y":1180, "wires": []}, {"id": "5859e462.d0300c", "t
ype":"function", "z": "2602cc11.36f02c", "name": "Prepare response object for Get
PII", "func": "msg.res = flow.get('c2ResponseObject'); \nmsg.reg =
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", "targe
tType":"full","statusVal":"","statusType":"auto","x":2850,"y":1080,"wires":[]},{"id":"2f85397c.a5856
e","type":"debug","z":"2602cc11.36f02c","name":"3. Output from Process and return
output", "active":true, "tosidebar":true, "console":false, "tostatus":false, "complete":"true", "targetTyp
e":"full","statusVal":"","statusType":"auto","x":2540,"y":1020,"wires":[]},{"id":"d0fec097.0b76a8","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":2490,"y":1120,"wires":[["1dbbe6c2.a6d71
9"]]},{"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":"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":1160,"y":1080,"wire
s":[[]]},{"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":"pythons
hell 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.p
y","virtualenv":"/home/dsie/Developer/sandbox/.venv","continuous":false,"stdInData":false,"x":10
90,"y":1360,"wires":[["f8b3ffbf.f1d96","caaeeb8.256f998"]]},{"id":"843f317b.161f2","type":"functio
n","z":"2602cc11.36f02c","name":"Prepare Data; All documents with PII","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'){\n 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.reg.body.name,\n
                                     //TODO Handle a queue of files\n
                                                                             //TODO Add
validation for file name and extension\n
                                             html_path:
htmlPath+(msg.reg.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.ebc80
6","daf7586d.17716","613e403f.9c7928"]]},{"id":"63674791.124558","type":"inject","z":"2602cc11
.36f02c","name":"","props":[{"p":"payload"},{"p":"topic","vt":"str"}],"repeat":"","crontab":"","once":fa
lse,"onceDelay":0.1,"topic":"","payload":"","payloadType":"date","x":800,"y":1360,"wires":[["daf75
86d.17716"]]},{"id":"caaeeb8.256f998","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.9c79
28","type":"debug","z":"2602cc11.36f02c","name":"Params to
Python", "active": true, "tosidebar": true, "console": false, "tostatus": false, "complete": "true", "target Typ
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');\nmsq.req = flow.get('c2ReguestObject');\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
```

```
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,"wire
s":[["6697fe5d.ebf5b","9362632f.ea42e"],["843f317b.161f2","7269ec70.c0ba34"]]},{"id":"5c255da
0.6d087c", "type": "http response", "z": "2602cc11.36f02c", "name": "Document Data Source
Response", "statusCode": "", "headers": {}, "x": 2640, "y": 1260, "wires": []}, {"id": "c8dbd3b2.6fe46", "typ
e":"debug", "z": "2602cc11.36f02c", "name": "Get Call Params Doc
PII", "active": true, "tosidebar": true, "console": false, "tostatus": false, "complete": "true", "targetType": "f
ull", "statusVal": "", "statusType": "auto", "x":250, "y":1000, "wires": []}, {"id": "9362632f.ea42e", "type": "d
ebug","z":"2602cc11.36f02c","name":"GET PII Route
1","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","targetType":"ful
I","statusVal":"","statusType":"auto","x":520,"y":1060,"wires":[]},{"id":"7269ec70.c0ba34","type":"d
ebug","z":"2602cc11.36f02c","name":"GET PII Route
2","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","targetType":"ful
I","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,"wire
s":[["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":[["9e002aea.386e2","3975dc1b.8de224","33d04e9d.f17a52"]]},{"id":"e2f268
14.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":[["71f2a3ca.5664bc"]]},{"id":"9e002aea.386e2","type":"debug","z":
"2602cc11.36f02c","name":"","active":true,"tosidebar":true,"console":false,"tostatus":false,"compl
ete":"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":[["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":[["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": "swi
tch","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_filestonestimes.")
es')","vt":"jsonata"},{"t":"jsonata exp","v":"$contains(reg.query.g,'all pii')","vt":"jsonata"},{"t":"nnul
l"}],"checkall":"false","repair":false,"outputs":4,"x":390,"y":1720,"wires":[["71f2a3ca.5664bc","a57
18c60.aca92"],["49f87234.e27b3c"],["b58185f4.9237a8","8fbfd9c8.0a1e3"],["43378506.088bbc",
"9e8427ee.706d98"]]},{"id":"a5718c60.aca92","type":"function","z":"2602cc11.36f02c","name":"C
heck filter","func":"msg.payload = msg.req.query.type;\nreturn
```

```
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'){\n selectedType = 'vnd.google-apps.document'\n} else if(typeFromRequest ===
'gsheets') {\n selectedType = 'vnd.google-apps.spreadsheet'\n} else if(typeFromRequest ===
'gslides') {\n selectedType = 'vnd.google-apps.presentation'\n}\nfinalList = []\nif(selectedType
=== 'all'){\n finalList = msg.payload.files\n} else {\n 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":fals
e,"onceDelay":0.1,"topic":"","x":110,"y":1780,"wires":[["5afadf8e.d6ad08"]]},{"id":"33d04e9d.f17a
52","type":"google-drive","z":"2602cc11.36f02c","name":"Get file by
ID","admin":"801aa20.d439c6","fileId":"1bQkFcQrWFHGlte8oTVtq_zyKGlgpFlWAS5_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.a8dc
a9", "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\":
             \"status\": \"OK\",\n
                                      \"end_user_notice\": flow.get('end_user_notice') || 'For
job_id,\n
support or queries contact support@thirdray.ai'\n }\n} else {\n msq.payload = {\n
                   \"status\": \"Drive does not contain any files or folders\"\n
\"job_id\": 0,\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}
```

```
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":"
Null 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", "target Type"
:"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.def7
a","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
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
```

flow.set('jobs', jobs)\n\\nreturn

```
(Object.keys(jobs[job id]).indexOf('count') == -1) {\n jobs[job id]['count'] = msq.parts.count\n}
\nif (jobs[job_id]['parts_done']) {\n jobs[job_id]['parts_done'] += 1\n} else {\n
iobs[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":"","splt":"\\n","spltTy
pe":"str","arraySplt":1,"arraySpltType":"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":"","
property":"","from":"","to":"","reg":false,"x":1140,"y":2040,"wires":[["396b1b41.53a13c"]]},{"id":"c1
a37ac.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, "stdlnD
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
                                                               jobs[job_id]['parts_done'] ===
(job_id && jobs[job_id]) {\n if (jobs[job_id]['count'] && \n
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 }\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.\npayload =
[]","finalize":"","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", "target Type
":"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":"
Verify 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", "target Typ
```

```
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ype":"debug","z":"2602cc11.36f02c","name":"Verify message on Proceed if Layout
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flow.get('jobs')\n// msg.payload = jobs\nif (msg.reg.guery.job id) {\n job id =
msg.req.query.job_id\n msg.payload = jobs[job_id]\n // if (!jobs[job_id]){\n //
msg.payload = {status: \"error\", message: `The 'job_id', ${}, is not available in the system. Try
again with the correct 'job id''}\n // } else if (jobs[job id].keys().length === 0) {\n //
msg.payload = {status: \"OK\", message: `Job ${msg.req.query.job_id} is in progress. Please try
again in a few minutes.'}\n // } else {\n // msg.payload = job info\n // } \n} else {\n
msg.payload = {status: \"OK\", message: \"'job_id' not provided, returning all job ids\", jobs:
Object.keys(jobs)}\n}\n\nreturn
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= flow.get('jobs');\njobs[job_id]['status'] = 'Done'\njobs[job_id]['result'] =
msg.payload.result\n\nflow.set('jobs', jobs)\n\nreturn
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having fun! :-)\", \n options: [\n
                                    \"#5. List all GDrive files for an org. delegate ==>
https://thirdray.io/api/v1/google?q=list_drive_files&type=<all, or gsheets, or gslides, or
                \"#6. Process All Files from a GDrive ==>
gdocs>\",\n
https://thirdray.io/api/v1/google?q=process_drive_files\",\n
                                                               \"#7. Get Processed GDrive Files
PII, by job id ==> https://thirdray.io/api/v1/google?q=all pii\"\n ]\n}\nreturn
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