API Specification Document

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Project Name: Attorney Web Portal

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**Revision History**

| **Version** | **Release Date** | **Author** | **Reviewer** |
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| 1.0 | 08/04/2022 | Atos Team |  |
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# Case Search API using Case #

## Purpose/ Description:

This API checks in the database whether case already exists with given search criteria like Patient Last Name & Case #.

## HTTP(s) method

* GET: returns Boolean value if case exists.

## Consumers

## Request Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| Patient Last Name | string | max 30 | Mandatory | Patient last name | Murray |
| Case ID | string | max?? | Mandatory |  |  |

## Response Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| IsInfoPresent | Boolean | 1 | If Case exists, it will return true otherwise false | Boolean value | 1 or 0 |
|  |  |  |  |  |  |

## Open API Specification (OAS) – Attach file

## Policies

|  |  |  |  |
| --- | --- | --- | --- |
| Scope | Inbound/ outbound | Policy | comments |
| product | inbound | content security policy |  |
| product | inbound | throttling | to limit the request for a particular time span |
| product | outbound | mask URL |  |
| product | inbound | Change header | to hide .NET framework & other sensitive information |
| product | inbound | CORS | to set permission to outside of Application |
| product | inbound | Retry |  |
| product | outbound | validate content | To validate content type, to change content type String -> JSON |
| API | outbound | Set context variable | set cookies/cache info |
| API | inbound | Authentication |  |

## HTTP Status Code(s)

|  |  |  |
| --- | --- | --- |
| Status Code | Description | Comments |
| 200 OK | Request Processed Successfully |  |
| 204 | No Content | Wrong patient last name & case # |

## Error Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 404 | Not Found | Server cannot find Resource |
| 405 | Method not allowed | Wrong method name |
| 401 | Unauthorized |  |
| 400 | Bad Request | Invalid request framing |

## Warning Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 408 | Request Timeout | This response is sent on an idle connection by some servers |
| 429 | Too many requests | The user has sent too many requests in a given amount of time ("rate limiting") |
| 503 | Service Unavailable | The server is not ready to handle the request |

1.11 Architecture pattern

|  |  |
| --- | --- |
| Pattern | Description |
| API gateway | API Gateway is the single point of entry for any microservice call |
| Blue green deployment pattern | With microservice architecture, one application can have many microservices. If we stop all the services then deploy an enhanced version, the downtime will be huge  The blue-green deployment strategy can be implemented to reduce or remove downtime. It achieves this by running two identical production environments, Blue and Green |
| Retry Pattern | The Retry pattern is known as stability pattern and as its name indicates, it is about retrying an operation that has failed. |

# Case Search API using insurer

## Purpose/ Description:

This API checks in the database whether a case already exists with given search criteria like Patient Last Name & Insurer.

## HTTP(s) method

* GET: returns Boolean value if case exists.

## Consumers

## Request Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| Patient Last Name | String | max 30 | Mandatory | Patient last name | Murray |
| Insurer | String | max?? | Mandatory |  |  |

## Response Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| IsInfoPresent | Boolean | 1 | If Case exists, it will return true otherwise false | Boolean value | 1 or 0 |
|  |  |  |  |  |  |

## Open API Specification (OAS) – Attach file

## Policies

|  |  |  |  |
| --- | --- | --- | --- |
| Scope | Inbound/ outbound | policy | comments |
| product | inbound | content security policy |  |
| product | inbound | throttling | to limit the request for a particular time span |
| product | outbound | mask URL |  |
| product | inbound | Change header | to hide .NET framework & other sensitive information |
| product | inbound | CORS | to set permission to outside of Application |
| product | inbound | retry |  |
| product | outbound | validate content | To validate content type, to change content type String -> JSON |
| API | outbound | Set context variable | set cookies/cache info |
| API |  | Authentication |  |

## HTTP Status Code(s)

|  |  |  |
| --- | --- | --- |
| Status Code | Description | Comments |
| 200 OK | Request Processed Successfully |  |
| 204 | No Content | Wrong patient last name & Insurer name |

## Error Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 404 | Not Found | Wrong patient last name & Insurer name |
| 405 | Method not allowed | Wrong method name |
| 401 | Unauthorized |  |
| 400 | Bad Request | Invalid request framing |

## Warning Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 408 | Request Timeout | This response is sent on an idle connection by some servers |
| 429 | Too many requests | The user has sent too many requests in a given amount of time ("rate limiting") |
| 503 | Service Unavailable | The server is not ready to handle the request |

# Patient Information Search API with Case ID

## Purpose/ Description:

This API check in the database whether a case already exists with given search criteria like Patient Date of Birth, Zip code, Group Number, Member ID when user provided Case ID in previous search.

## HTTP(s) method

* GET: returns Boolean value if case exists.

## Consumers

## Request Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| Date of Birth | Date | max 10 | Optional  (Any Two) | Patient’s Date of Birth | 01/01/1986 |
| Zip Code | Number | 5 - 9 | Optional  (Any Two) | Zip Code of area | 55456 |
| Member ID | String | Max?? | Optional  (Any Two) | Patient’s Member ID | ?? |
| Group Number | Number | max?? | Optional  (Any Two) | Patient’s Group Number | ?? |

## 

## Response Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| IsInfoPresent | Boolean | 1 | If Case exists, it will return true otherwise false | Boolean value | 1 or 0 |
|  |  |  |  |  |  |

## Open API Specification (OAS) – Attach file

## Policies

|  |  |  |  |
| --- | --- | --- | --- |
| Scope | Inbound/ outbound | policy | comments |
| product | inbound | content security policy |  |
| product | inbound | throttling | to limit the request for a particular time span |
| product | outbound | mask URL |  |
| product | inbound | Change header | to hide .NET framework & other sensitive information |
| product | inbound | CORS | to set permission to outside of Application |
| product | inbound | retry |  |
| product | outbound | validate content | To validate content type, to change content type String -> JSON |
| API | outbound | Set context variable | set cookies/cache info |
| API |  | Authentication |  |

## HTTP Status Code(s)

|  |  |  |
| --- | --- | --- |
| Status Code | Description | Comments |
| 200 OK | Request Processed Successfully |  |
| 204 | No Content | Wrong patient Information |

## Error Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 404 | Not Found | Server cannot find Resource |
| 405 | Method not allowed | Wrong method name |
| 401 | Unauthorized |  |
| 400 | Bad Request | Invalid request framing |

## Warning Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 408 | Request Timeout | This response is sent on an idle connection by some servers |
| 429 | Too many requests | The user has sent too many requests in a given amount of time ("rate limiting") |
| 503 | Service Unavailable | The server is not ready to handle the request |

# Patient Information Search API with Insurer

## Purpose/ Description:

This API checks in the database whether a case already exists with given search criteria like Patient Date of Birth, Zip code, Group Number, Member ID when user provided Insurer details in previous search.

## HTTP(s) method

* GET: returns Boolean value if case exists.

## Consumers

## Request Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| Date of Birth | Date | max 10 | Optional  (Any Three) | Patient’s Date of Birth | 01/01/1986 |
| Zip Code | Number | 5 - 9 | Optional  (Any Three) | Zip Code of area | 55456 |
| Member ID | String | Max?? | Optional  (Any Three) | Patient’s Member ID | ?? |
| Group Number | Number | max?? | Optional  (Any Three) | Patient’s Group Number | ?? |

## Response Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| IsInfoPresent | Boolean | 1 | If Case exists, it will return true otherwise false | Boolean value | 1 or 0 |
|  |  |  |  |  |  |

## Open API Specification (OAS) – Attach file

## Policies

|  |  |  |  |
| --- | --- | --- | --- |
| Scope | Inbound/ outbound | policy | comments |
| product | inbound | content security policy |  |
| product | inbound | throttling | to limit the request for particular time span |
| product | outbound | mask URL |  |
| product | inbound | Change header | to hide .Net framework & other sensitive information |
| product | inbound | CORS | to set permission to outside of Application |
| product | inbound | retry |  |
| product | outbound | validate content | To validate content type, to change content type String -> JSON |
| API | outbound | Set context variable | set cookies/cache info |
| API |  | Authentication |  |

## HTTP Status Code(s)

|  |  |  |
| --- | --- | --- |
| Status Code | Description | Comments |
| 200 OK | Request Processed Successfully |  |
| 204 | No Content | Wrong patient information |

## 

## Error Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 404 | Not Found | Server cannot find resources |
| 405 | Method not allowed | Wrong method name |
| 401 | Unauthorized |  |
| 400 | Bad Request | Invalid request framing |

## Warning Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 408 | Request Timeout | This response is sent on an idle connection by some servers |
| 429 | Too many requests | The user has sent too many requests in a given amount of time ("rate limiting") |
| 503 | Service Unavailable | The server is not ready to handle the request |

# Party Information API using Attorney

## Purpose/ Description:

This API checks in the database whether case already exists for specific Attorney and returns PHI and Non-PHI data and shows the users if the data is available or not in the database.

## HTTP(s) method

* GET: returns JSON data if case exists.

## Consumers

## Request Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| Submitting Party | string | max 50 | Mandatory | Firm Name | |  | | --- | | Conway, Olejniczak  & Jerry, S.C | |

## Response Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| If Party Verified | Boolean | 1 | If submitting party is verified in DB | Boolean value | 1 or 0 |
| Is Lor Present | Boolean | 1 | It will check if LOR is submitted by Attorney or not | Boolean Value | 1 or 0 |
| Data Information | JSON | Max?? | It will return PHI when is Lor Present flag is set to 1 else it will return non-PHI data | JSON objects include below columns   * Case Manager * Case Manager Email * Case Manager Phone * Supervisor Email * Case Status * Case # * Member Name * Covered Individual Name * Date of Loss * Injuries & Incident Description * Last Date of Treatment * Lien Amount (add a message indicating this is NOT a final lien amount) * Outstanding Lien (add a message indicating this is NOT a final lien amount) | JSON Data |

## Open API Specification (OAS) – Attach file

## Policies

|  |  |  |  |
| --- | --- | --- | --- |
| Scope | Inbound/ outbound | policy | comments |
| product | inbound | content security policy |  |
| product | inbound | throttling | to limit the request for a particular time span |
| product | outbound | mask URL |  |
| product | inbound | Change header | to hide .NET framework & other sensitive information |
| product | inbound | CORS | to set permission to outside of Application |
| product | inbound | retry |  |
| product | outbound | validate content | To validate content type, to change content type String -> JSON |
| API | outbound | Set context variable | set cookies/cache info |
| API |  | Authentication |  |

## HTTP Status Code(s)

|  |  |  |
| --- | --- | --- |
| Status Code | Description | Comments |
| 200 OK | Request Processed Successfully |  |
| 204 | No Content | Wrong party verifier information |

## Error Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 404 | Not Found | Server cannot find resource |
| 405 | Method not allowed | Wrong method name |
| 401 | Unauthorized |  |
| 400 | Bad Request | Invalid request framing |

## Warning Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 408 | Request Timeout | This response is sent on an idle connection by some servers |
| 429 | Too many requests | The user has sent too many requests in a given amount of time ("rate limiting") |
| 503 | Service Unavailable | The server is not ready to handle the request |

# Party Information API using Insurance

## Purpose/ Description:

This API checks in the database whether case already exists for specific Insurance and returns PHI and Non-PHI data and shows the users if the data is available or not in the database.

## HTTP(s) method

* GET: returns JSON data if case exists.

## Consumers

## Request Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| Submitting Party | number | max 50 | Mandatory | Claim number | ?? |

## Response Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| Is the Claim Verified | Boolean | 1 | It will check if the Claim Number is verified or not | Boolean Value | 1 or 0 |
| Data Information | JSON | Max?? | It will return PHI when is Claim Verified flag is set to 1 else it will return non-PHI data | JSON objects include below columns   * Case Manager * Case Manager Email * Case Manager Phone * Supervisor Email * Case Status * Case # * Member Name * Covered Individual Name * Date of Loss * Injuries & Incident Description * Last Date of Treatment * Lien Amount (add a message indicating this is NOT a final lien amount) * Outstanding Lien (add a message indicating this is NOT a final lien amount) | JSON Data |

## Open API Specification (OAS) – Attach file

## Policies

|  |  |  |  |
| --- | --- | --- | --- |
| Scope | Inbound/ outbound | policy | comments |
| product | inbound | content security policy |  |
| product | inbound | throttling | to limit the request for a particular time span |
| product | outbound | mask URL |  |
| product | inbound | Change header | to hide .NET framework & other sensitive information |
| product | inbound | CORS | to set permission to outside of Application |
| product | inbound | retry |  |
| product | outbound | validate content | To validate content type, to change content type String -> JSON |
| API | outbound | Set context variable | set cookies/cache info |
| API |  | Authentication |  |

## HTTP Status Code(s)

|  |  |  |
| --- | --- | --- |
| Status Code | Description | Comments |
| 200 OK | Request Processed Successfully |  |
| 204 | No Content | Wrong Party verifier Information |

## Error Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 404 | Not Found | Server cannot find resources |
| 405 | Method not allowed | Wrong method name |
| 401 | Unauthorized |  |
| 400 | Bad Request | Invalid request framing |

## Warning Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 408 | Request Timeout | This response is sent on an idle connection by some servers |
| 429 | Too many requests | The user has sent too many requests in a given amount of time ("rate limiting") |
| 503 | Service Unavailable | The server is not ready to handle the request |

# LOR Upload API

## Purpose/ Description:

This API will upload the LOR to the Azure Blob Bucket.

## HTTP(s) method

* POST: returns upload status.

## Consumers

## Request Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| LOR File | PDF, JPG, PNG, GIF | max 20MB | Mandatory | Upload LOR File |  |

## Response Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| isLORUploaded | Boolean | 1 | File Upload status | Boolean Value | 1 or 0 |

## Open API Specification (OAS) – Attach file

## Policies

|  |  |  |  |
| --- | --- | --- | --- |
| Scope | Inbound/ outbound | policy | comments |
| product | inbound | content security policy |  |
| product | inbound | throttling | to limit the request for a particular time span |
| product | outbound | mask URL |  |
| product | inbound | Change header | to hide .NET framework & other sensitive information |
| product | inbound | CORS | to set permission to outside of Application |
| product | inbound | retry |  |
| product | inbound | validate content | To validate content type, to change content type String -> JSON |
| API | outbound | Set context variable | set cookies/cache info |
| API |  | Authentication |  |

## HTTP Status Code(s)

|  |  |  |
| --- | --- | --- |
| Status Code | Description | Comments |
| 200 OK | Upload completed |  |
| 208 | Already Reported | If user had already uploaded LOR |

## Error Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 404 | Not Found | Wrong patient last name & case # |
| 422 | Un processable Entity | File not uploaded properly |
| 405 | Method not allowed | Wrong method name |
| 401 | Unauthorized |  |
| 400 | Bad Request | Invalid request framing |

## Warning Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 408 | Request Timeout | This response is sent on an idle connection by some servers |
| 429 | Too many requests | The user has sent too many requests in a given amount of time ("rate limiting") |
| 503 | Service Unavailable | The server is not ready to handle the request |

# Send Response API

## Purpose/ Description:

This API will create records in DCM database and save the application for User Message.

## HTTP(s) method

* POST: returns message sent status.

## Consumers

## Request Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| Message | string | max 1000 | Mandatory | User Message |  |

## Response Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Size | Usage | Value | Example |
| Is Message Sent | Boolean | 1 | Check Message sent status | Boolean Value | 1 or 0 |

## Open API Specification (OAS) – Attach file

## Policies

|  |  |  |  |
| --- | --- | --- | --- |
| Scope | Inbound/ outbound | policy | comments |
| product | inbound | content security policy |  |
| product | inbound | throttling | to limit the request for a particular time span |
| product | outbound | mask URL |  |
| product | inbound | Change header | to hide .NET framework & other sensitive information |
| product | inbound | CORS | to set permission to outside of Application |
| product | inbound | retry |  |
| product | outbound | validate content | To validate content type, to change content type String -> JSON |
| API | outbound | Set context variable | set cookies/cache info |
| API |  | Authentication |  |

## HTTP Status Code(s)

|  |  |  |
| --- | --- | --- |
| Status Code | Description | Comments |
| 200 OK | Message sent Successfully |  |
|  |  |  |

## Error Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 404 | Not Found | Wrong patient last name & case # |
| 405 | Method not allowed | Wrong method name |
| 401 | Unauthorized |  |
| 400 | Bad Request | Invalid request framing |

## Warning Codes

|  |  |  |
| --- | --- | --- |
| Code | Description | Trigger/Cause |
| 408 | Request Timeout | This response is sent on an idle connection by some servers |
| 429 | Too many requests | The user has sent too many requests in a given amount of time ("rate limiting") |
| 503 | Service Unavailable | The server is not ready to handle the request |

About Atos  
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Atos is a global leader in digital transformation with 110,000 employees in 73 countries and annual revenue of € 12 billion. European number one in Cloud, Cybersecurity and High-Performance Computing, the Group provides end-to-end Orchestrated Hybrid Cloud, Big Data, Business Applications and Digital Workplace solutions. The Group is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and operates under the brands Atos, Atos|Syntel, and Unify. Atos is a SE (Societas Europaea), listed on the CAC40 Paris stock index.

The purpose of Atos is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach andcontribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

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