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| --- |
| API Specification |
| Membership |
| SOA Enterprise Services |

**REST API Specification**

**API Description**

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| --- | --- | --- |
| **Name of API** | Membership | New API |
| **Description** | This service will retrieve member related information. This information is ultimately maintained in several different source systems. For any fo the resources (except sources) below, GET requests can be made against all of the source systems or against a specific source system, using a ssid query parameter. For example, submitting a summaries GET request without specifying a ssid will look in all of the source systems for the ID provided, returning whatever summaries are found, in any of the source systems. | |
| **Resources** | |  |  | | --- | --- | | Resource | Description | | search | Search member information | | contracts | Contract data | | preferences | Member eligibility informatiopn | | contacts | Member Contact | | |

**GENERAL API INFORMATION**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Request Headers** | |  |  |  | | --- | --- | --- | | Header Name | Required/  Optional | Description | | APIKey | R | Client ID, sender app etc., | | Accept | O | *Values*  application/json  application/xml | |
| **Response Headers** | |  |  |  | | --- | --- | --- | | Header Name | Required/  Optional | Description | | Content-Type | O | *Values*  application/json  application/xml | |
| **Error Response HTTP Status Codes returned by Service/API** | |  |  | | --- | --- | | HTTP Status Code | Description | | 200 OK | Successful response | | 400 Bad request | Problem with request, parameter values or format | | 401 Unauthorized | Could not authenticate | | 403 Forbidden | Not allowed to access the resource | | 404 Not Found | Unable to find the resource requested | | 500 Internal Server Error | A generic error message, given when an unexpected condition is encountered | |

**Resource Specification**

Use below table for documenting all resources and operations supported by the REST resources defined in the REST API

|  |  |
| --- | --- |
| **Resource Name** | search |
| **Resource URL** | /membership/search |
| **Request Verb** | GET |
| **Request Headers** | N/A |
| **Request Parameters** | |  |  |  |  | | --- | --- | --- | --- | | Parameter Name | Required/  Optional | Description | Parameter Type | | id | R | Member Lookup Id  Example – 345562334 | Query String | | fname | C | First Name | Query String | | lname | C | Last Name | Query String | | mname | O | Middle Name | Query String | | dob | C | Format - mmddyyyy  Example - 04231956 | Query String | |  | OR |  |  | | webguid | R |  | Query String | |  | OR |  |  | | memberuniqueid | R |  | Query String | |
| **Request URI Examples** | GET membership/search?webguid=8f3cd32f-0c11-49ed-a7be-694b1082e5c8 GET membership/search?memberuniqueid =JKJKJDS8989389383  GETmembership/search?id=YRX8938398 GETmembership/search?id=YRX8938398&dob=04231956&fname=John&lname=Brown  GETmembership/search?id=YRX8938398&dob=04231956&fname=John&lname=Brown&mname=D |
| **Request Body Example** | N/A |
| **Response Headers** | N/A |
| **Response Body Example** | {  "memberSearch": {  "memberThumbnail": [  {  "memberUniqueIdentifier": "JKJKJDS8989389383",  "wEBGUID": "8f3cd32f-0c11-49ed-a7be-694b1082e5c8  ",  "sourceSystemIdentifier": "WGS20",  "healthCardIdentifier": "YRX8938398",  "subscriberIdentifier": "632585404",  "memberSequenceNumber": "00",  "firstName": "Joe",  "middleName": "Charles",  "lastName": "Smith",  "namePrefix": "Dr",  "nameSuffix": "Jr",  "dateOfBirth": "04-23-1956",  "gender": {  "code": "M",  "name": "Male",  "description": ""  },  "memberRelationship": {  "code": "SUBS",  "name": "String",  "description": "SUBSCRIBER"  }  }  ]  }  } |
| **Input Data validations performed** | ~~Validate first name, last name, date of birth and member id for the below URI pattern~~  ~~GETmembership/sources?id=YRX8938398&dob=04231956&fname=John&lname=Brown~~ |
| **Error Response HTTP Status Codes returned by Service/API** | N/A |

|  |  |
| --- | --- |
| **Resource Name** | contracts |
| **Resource URL** | /membership/contracts |
| **Request Verb** | GET |
| **Request Headers** | N/A |
| **Request Query Parameters** | |  |  |  |  | | --- | --- | --- | --- | | Parameter Name | Required/  Optional | Description | Parameter Type | | Id | R | Member Lookup Id  Example – 345562334 | Query String | | fname | R | First Name | Query String | | lname | R | Last Name | Query String | | mname | O | Middle Name | Query String | | Dob | R | Format - mmddyyyy  Example - 04231956 | Query String | |  | OR |  |  | | webguid | R |  | Query String | |  | OR |  |  | | memberuniqueid | R |  | Query String | |
| **Request URI Example** | GET membership/contracts?webguid=8f3cd32f-0c11-49ed-a7be-694b1082e5c8 GET membership/contracts?memberuniqueid =JKJKJDS8989389383 GET membership/contracts?id=YRX8938398&dob=04231956&fname=John&lname=Brown |
| **Request Body Example** | N/A |
| **Response Headers** | N/A |
| **Response Body Example** | {  "memberUniqueIdentifier": "JKJKJDS8989389383",  "firstName": "John",  "lastName": "Depp",  "middleName": "M",  "dateOfBirth": "1979-06-17",  "gender": {  "code": "Male"  },  "relationship": {  "code": "Subscriber"  },  "eligibility": {  "healthCardIdentifier": "719A51571",  "subscriberIdentifier": "11111111",  "memberSequenceNumber": "001",  "sourceSystemIdentifier": "STAR",  "brand": {  "code": "ABC",  "name": "ABC"  },  "mbu": "SMALL\_GROUP",  "region": "EXCHANGE",  "status": {  "code": "A",  "name": "Active"  },  "enrollmentType": {  "code": "FAM",  "name": "FAMILY"  },  "underwritingState": {  "code": "CA",  "name": "California"  },  "effectiveDate": "2014-08-01",  "groupIdentifier": "476497",  "groupName": "CAL CHOICE AUGUST 1.00",  "coverage": [  {  "effectiveDate": "2015-01-01",  "subgroupIdentifier": "0ZVM00",  "status": {  "code": "A",  "name": "Active"  },  "pcpRequiredIndicator": "False",  "product": [  {  "effectiveDate": "2015-01-01",  "productIdentifier": "0ZVM",  "productName": "ESS DIRAC PLUS GWPA",  "productFamily": {  "code": "PPO",  "name": "PPO"  },  "productCode": "HXET",  "status": "Active",  "healthArrangementCode": {  "code": "PPO",  "name": "PPO"  },  "coverageType": {  "code": "M",  "name": "Medical"  }  }, {  "effectiveDate": "2015-01-01",  "productIdentifier": "14XE",  "productName": "DENTAL PEDIATRIC-CAL CHOICE",  "productFamily": {  "code": "PPO",  "name": "PPO"  },  "status": "Active",  "healthArrangementCode": {  "code": "PPO",  "name": "PPO"  },  "coverageType": {  "code": "D",  "name": "Dental"  }  }  ]  }, {  "effectiveDate": "2014-08-01",  "terminationDate": "2014-12-08",  "subgroupIdentifier": "14XE00",  "status": {  "code": "I",  "name": "Inactive"  },  "pcpRequiredIndicator": "False",  "product": [  {  "effectiveDate": "2014-01-01",  "terminationDate": "2014-12-08",  "productIdentifier": "0ZVM",  "productName": "ESS DIRAC PLUS GWPA",  "productFamily": {  "code": "PPO",  "name": "PPO"  },  "productCode": "HXET",  "status": "Inactive",  "healthArrangementCode": {  "code": "PPO",  "name": "PPO"  },  "coverageType": {  "code": "M",  "name": "Medical"  }  }, {  "effectiveDate": "2014-01-01",  "terminationDate": "2014-12-08",  "productIdentifier": "14XE",  "productName": "DENTAL PEDIATRIC-CAL CHOICE",  "productFamily": {  "code": "PPO",  "name": "PPO"  },  "status": "Inactive",  "healthArrangementCode": {  "code": "PPO",  "name": "PPO"  },  "coverageType": {  "code": "D",  "name": "Dental"  }  }  ]  }  ]  }  } |
| **Input Data validations performed** | Validate first name, last name, date of birth and member id for the below URI pattern  GET membership/contracts?id=YRX8938398&dob=04231956&fname=John&lname=Brown |
| **Error Response HTTP Status Codes returned by Service/API** |  |

|  |  |
| --- | --- |
| **Resource Name** | preferences |
| **Resource URL** | /membership/{hcid}/preferences |
| **Request Verb** | GET |
| **Request Headers** | N/A |
| **Request Query Parameters** | |  |  |  |  | | --- | --- | --- | --- | | Parameter Name | Required/  Optional | Description | Parameter Type | | Id | R | Member Lookup Id  Example – 345562334 | URI Path {id} | | fname | R | First Name | Query String | | lname | R | Last Name | Query String | | mname | O | Middle Name | Query String | | dateOfBirth | R | Format - mmddyyyy  Example - 04231956 | Query String | |  | OR |  |  | | WebGuid | R |  | Query String | |  | OR |  |  | | MemberUniqueIdentifier | R |  | Query String | |
| **Request URI Example** | GET membership/YRX8938398/preferences |
| **Request Body Example** | N/A |
| **Response Headers** | N/A |
| **Response Body Example** | {  "memberUniqueIdentifier": "ABCS8387378733",  "firstName": "John",  "middleName": "Charlie",  "lastName": "Smith",  "preferences": [  {  "preferenceType": {  "code": "S",  "name": "W",  "description": "10012"  },  "preferenceValue": {  "code": "ENG",  "name": "SPA",  "description": "7"  },  "effectiveDate": "01-01-2015",  "terminationDate": "12-31-2015"  }, {  "preferenceType": {  "code": "S",  "name": "W",  "description": "10012"  },  "preferenceValue": {  "code": "ENG",  "name": "SPA",  "description": "7"  },  "effectiveDate": "01-01-2015",  "terminationDate": "12-31-2015"  }  ]  } |
| **Input Data validations performed** | TBD |
| **Error Response HTTP Status Codes returned by Service/API** |  |

|  |  |
| --- | --- |
| **Resource Name** | contacts |
| **Resource URL** | /membership/contacts |
| **Request Verb** | GET |
| **Request Headers** | N/A |
| **Request Parameters** | |  |  |  |  | | --- | --- | --- | --- | | Parameter Name | Required/  Optional | Description | Parameter Type | | id | R | Member Lookup Id  Example – 345562334 | Query String | | fname | R | First Name | Query String | | lname | R | Last Name | Query String | | mname | O | Middle Name | Query String | | dob | R | Format - mmddyyyy  Example - 04231956 | Query String | |  | OR |  |  | | webguid | R |  | Query String | |  | OR |  |  | | memberuniqueid | R |  | Query String | |
| **Request URI Examples** | GET membership/contacts?webguid=8f3cd32f-0c11-49ed-a7be-694b1082e5c8 GET membership/contacts?memberuniqueid =JKJKJDS8989389383 GETmembership/contacts?id=YRX8938398&dob=04231956&fname=John&lname=Brown  GETmembership/contacts?id=YRX8938398&dob=04231956&fname=John&lname=Brown&mname=M |
| **Request Body Example** | N/A |
| **Response Headers** | N/A |
| **Response Body Example** | {  "memberContactResponse": {  "healthcareIdentifier": "248A40000",  "firstName": "Nicki",  "lastName": "Tyner",  "dateOfBirth": "1967-08-13",  "contact": {  "effectiveDate": "2013-09-12",  "terminationDate": "8888-08-08",  "preference": {  "effectiveDate": "2013-08-08",  "terminationDate": "8888-08-08",  "type": {  "code": "100002",  "name": "Email Consent / Anthem Notification"  },  "value": {  "code": "8",  "name": "Opt-Out"  }  },  "contactEmail": {  "emailType": {  "name": "Email1"  },  "emailText": "WELLPOINT.CLIENT9@GOOGLE.COM"  }  }  }  } |
| **Input Data validations performed** | Validate first name, last name, date of birth and member id for the below URI pattern  GETmembership/contacts?id=YRX8938398&dob=04231956&fname=John&lname=Brown |
| **Error Response HTTP Status Codes returned by Service/API** | N/A |

**Terms & Definitions**

|  |  |
| --- | --- |
| **Term** | **Description** |
| **REST** | Representational State Transfer |
| **HTTP** | Hyper Text Transfer Protocol |
| **API** | Application Programming Interface |