MemberMax Rest API

Version: v2
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INTRODUCTION

Getting Started

Contact MemberMax support to activate an Oauth license and provide secure API keys. You will receive a public key (client_id) and a private key (client_secret) for use in generating an access token. The token will be used in the header of subsequent posts.

Example:
client_id
C28A22DE46825149BED1AFB2E16AD34FC3764F3CBD139A44931A0D3D8675F099

client_secret
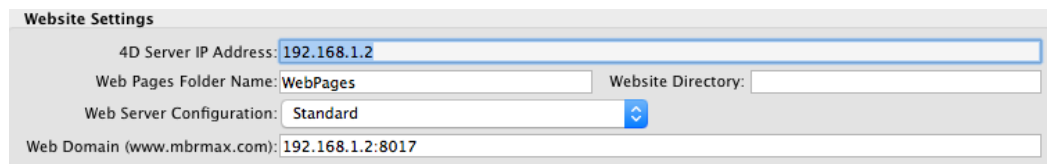C28A22DE46825149BED1AFB2E16AD34FC3764F3CBD139A44931A0D3D8675F099

Base URL

The base URL for the rest service is displayed on the MemberMax organization web setting (Web domain). If a domain has not been registered, an IP and server port may be used until the domain is registered.

Example Base URL:

https://members.yourdomain.org/4dcgi/
or
http://182.168.1.2:80/4dcgi/

Website Settings

4D Server IP Address:	192.168.1.2
Web Pages Folder Name:	WebPages
Web Server Configuration:	Standard
Web Domain (www.mbrmax.com):	192.168.1.2:8017

Website Directory:

Authorization

Get Access Token
Send a POST request on the next URL with parameters (POST /oauth/token *parameters*).
client_id= C28A22DE46825149BED1AFB2E16AD34FC3764F3CBD139A44931A0D3D8675F099
client_secret= C28A22DE46825149BED1AFB2E16AD34FC3764F3CBD139A44931A0D3D8675F099
grant_type=client credentials

Example POST URL:

https://members.yourdomain.org/oauth/token?
client_id=C28A22DE46825149BED1AFB2E16AD34FC3764F3CBD139A44931A0D3D8675F099
&client_secret=C28A22DE46825149BED1AFB2E16AD34FC3764F3CBD139A44931A0D3D8675
F099&grant_type=client_credentials

Example Response:

{

"token_type": "Bearer",
"expires_in": 600,
"access_token": "08E314C6BC8A99448A7ED51DDBE96FAD"

}

Post With Access Token

Use the access_token in the header for each end-point, described in the resource section. Please note that the access token expires after 600 seconds (10 minutes).

Required headers:

Content-Type: application/json

Accept: application/json

Max-Authorization: Bearer 08E314C6BC8A99448A7ED51DDBE96FAD

(Note: With postman, the authorization header should be X-Authorization or Max-Authorization.)

Example:

POST/oauth/v2/user/remotelogon

headers

Max-Authorization: Bearer 08E314C6BC8A99448A7ED51DDBE96FAD

Required headers:

Content-Type: application/json

Accept: application/json

Max-Authorization: Bearer 08E314C6BC8A99448A7ED51DDBE96FAD

Errors:

400 Bad Request

404 Not Found

422 Unprocessable Entity

RESOURCES

User

Website member information for current web session

POST/oauth/v2/user/remotelogon

Generate a user login token for SSO. The username and password are required. The returnurl is optional and should be the url to redirect to after the SSO. Use the response ssourl, to issue a form post, and return to the returnurl provided in the request.

Example Request:

```
{
        "username": "randy.cummings@gmail.com",
        "password": "31615",
        "returnurl": "www.cnn.com"
}
```

Example Response:

```
{
        "username": "randy.cummings@gmail.com",
        "password": "31615",
        "returnurl": "www.cnn.com",
        "Results": {
                "validlogin": "true",
                "ssourl": "http://192.168.1.2:8017/logon/soaplogon1.html?
Action=SoapRedirect&SessionID=1182516p2fg35j6v88imk9888e9cbe22f12957mu4ot75863r7wbp
zua1d6cc984&ReferenceURL=www.cnn.com",
                "personkey": "31615",
                "companykey": "10939",
                "foreignkey": "538208",
                "sessionid":
"1182516p2fg35j6v88imk9888e9cbe22f12957mu4ot75863r7wbpzua1d6cc984",
                "entitykey": "2042548",
                "firstname": "Randy",
                "lastname": "Cummings",
                "source": "",
                "email": "randy.cummings@gmail.com",
```

```
            "membership": {
                    "memberactive": "false",
                    "isnonmember": "true",
                    "membertype": "Not A Member",
                    "membertypecode": "NOT",
                    "membersubtype": "",
                    "membersubtypecode": "",
                    "memberno": "538208",
                    "memberjoin": "00/00/00",
                    "memberexpire": "00/00/00",
                    "membercancel": "00/00/00",
                    "status": "",
                    "personrepkey": "",
                    "personrepname": ""
            },
            "company": {
                    "companyname": "Denton County Inc",
                    "companyjoin": "00/00/00",
                    "companyexpire": "00/00/00",
                    "companyrep": "false",
                    "companyrepplus": "false"
            }
        }
}
```

POST/oauth/v2/user/sessionstatus

Check and update status of user remote session. The sessionid is required. The optional secondaryduesfilter and committeefilter will return "all" or "activeonly" roles for the logged in user account. If the remote session is for a user, not yet logged in, the userresponse logintype will be "unknown". A valid response will be returned if the session is active in MemberMax, and the session timeout will be extended. (Please note that a shared domain cookie, "MaxSessionID" is the session ID that can be used check session status when using the MemberMax domain.)

Example Request:
```
{
        "sessionid": "112451890p1rfd481030s658j444049jh3veg9yufj8w0yzdyw1n109get92o546",
        "secondaryduesfilter": "activeonly",
        "committeefilter": "all"
}
```

Example Response:

```
{
        "sessionid": "112451890p1rfd481030s658j444049jh3veg9yufj8w0yzdyw1n109get92o546",
        "secondaryduesfilter": "activeonly",
        "committeefilter": "all",
        "userresponse": [
                {
                        "logintype": "person",
                        "userid": "31615",
                        "firstname": "Randy",
                        "lastname": "Cummings",
                        "companyname": "Denton County Inc",
                        "memberactive": "false",
                        "isnonmember": "true",
                        "membertype": "Not A Member",
                        "membertypecode": "NOT",
                        "membersubtype": "Nonmember Fee",
                        "membersubtypecode": "NMF",
                        "memberno": "538208",
                        "memberjoin": "00/00/00",
                        "memberexpire": "00/00/00",
                        "email": "randy.cummings@gmail.com",
                        "source": "",
                        "companyrep": "false"
                }
        ]
}
```

Person

POST/oauth/v2/person/details

Profile information from current account, including active committee roles. Any one request parameter is required.

Example Request:

```
{
        "sessionid": "",
        "personkey": "24932",
        "entitykey": "",
        "memberno": ""
}
```

Example Response:

```
{
        "sessionid": "",
        "personkey": "24932",
        "entitykey": "",
        "memberno": "",
        "Results": {
                "personkey": "24932",
                "sessionid": "",
                "entitykey": "2038334",
                "firstname": "Christina",
                "lastname": "Smith",
                "source": "RR",
                "membership": {
                        "memberactive": "true",
                        "isnonmember": "false",
                        "membertype": "Regular",
                        "membertypecode": "R",
                        "membersubtype": "Renewal",
                        "membersubtypecode": "RR",
                        "memberno": "70997",
                        "memberjoin": "4/10/2013",
                        "memberexpire": "3/31/2020",
                        "membercancel": "00/00/00",
                        "status": ""
                },
                "company": {
                        "companyname": "Smith Investment Properties",
                        "companyjoin": "00/00/00",
                        "companyexpire": "00/00/00",
                        "companyrep": "false",
                        "companyrepplus": "false"
                },
                "contactinfo": {
                        "email": "",
                        "phone": "(503) 450-5764",
                        "businessphone": "",
                        "cellphone": "",
                        "preferredaddress": {
                                "line1": "1121 SW Salmon St",
                                "line2": "#500",
                                "line3": "",
                                "city": "Pittsburgh",
                                "state": "OR",
                                "zip": "97205",
                                "country": "USA"
                        }
                },
                "committeeroles": [
```

```
                        {
                                "committee": "PLS Class 2018",
                                "committeecode": "SGPS*PLS2018",
                                "role": "Chairman",
                                "sortrole": "99",
                                "roleactive": "true",
                                "fromdate": "03/09/2021",
                                "todate": "00/00/0000"
                        },
                        {

                                "committee": "PLS Class 2018",
                                "committeecode": "SGPS*PLS2018",
                                "role": "President",
                                "sortrole": "99",
                                "roleactive": "true",
                                "fromdate": "03/09/2021",
                                "todate": "00/00/0000"
                        }
                ]
        }
}
```

Committee

POST/oauth/v2/committee/details

Committee(s) details, with list of active/inactive member roles. Any one request parameter returns a committee, no request parameters returns all committees with member history.

Example Request:
```
{
        "committeecode": "221",
        "committeekey": "",
        "committeeorg": ""
}
```

Example Response:

```
{
        "committeecode": "221",
        "committeekey": "",
        "committeeorg": "",
        "results": [
                {
                        "committeeorg": "SGPS",
                        "committeecode": "221",
                        "committeeid": "221",
                        "committeename": "AWARDS GALA",
                        "committeekeywords": [],
                        "committeepersons": [
                                {
                                        "personkey": "1639",
                                        "firstname": "Mary",
                                        "lastname": "Lamb",
                                        "company": "Smith Photography",
                                        "companykey": "1288",
                                        "foreignkey": "21811",
                                        "roles": [
                                                {
                                                        "role": "NCM",
                                                        "sortrole": "99",
                                                        "active": "false",
                                                        "fromdate": "09/01/2002",
                                                        "todate": "08/31/2003"
                                                }
                                        ]
                                },
                                {
                                        "personkey": "1813",
                                        "firstname": "Gloria",
                                        "lastname": "Hartwig",
                                        "company": "",
                                        "companykey": "",
                                        "foreignkey": "22799",
                                        "roles": [
                                                {
                                                        "role": "NCM",
                                                        "sortrole": "99",
                                                        "active": "false",
                                                        "fromdate": "09/01/2002",
                                                        "todate": "08/31/2003"
                                                }
                                        ]
                                }
```

```
                    ]
            }
```

Order

Access orders with sellable items from current account

POST/oauth/v2/order/itemdetails

Order item detail response for the requested account. Any one request parameter is required. More than one parameter, will filter the response. All order history will return for the account keys or member numbers requested. Member number should be configured in MemberMax before using the parameter. Marketplace type is the "Template" displayed in the MemberMax marketplace area. Some example responses have been abbreviated below.

Example Request and Response:

```
{
        "marketplacetype": "",
        "orderkey": "1297",
        "itemkey": "",
        "personkey": "",
        "entitykey": "",
        "companykey": "",
        "personmemberno": "",
        "companymemberno": "",
        "Results": [
                {
                        "orderno": "HST-0001297",
                        "createdate": "10/1/2003",
                        "lastpaydate": "10/1/2003",
                        "shipdate": "00/00/00",
                        "totalamt": "0",
                        "taxamt": "0",
                        "shipamt": "0",
                        "receivedamt": "0",
                        "dueamt": "0",
                        "orderfor": {
                                "name": "Smith, John",
                                "address": "335 My house St.",
                                "city": "Kenai",
                                "state": "PA",
```

```
            "zip": "99611",
            "country": "USA",
            "details": {
                    "personkey": "1246",
                    "companykey": "",
                    "entitykey": "2003478",
                    "firstname": "John",
                    "lastname": "Smith",
                    "companyname": "Preferred Company, Inc",
                    "source": "",
                    "memberactive": "true",
                    "isnonmember": "false",
                    "membertype": "Senior",
                    "membertypecode": "ISNR",
                    "membersubtype": "Senior",
                    "membersubtypecode": "ISNR",
                    "memberno": "0098752",
                    "memberjoin": "10/8/2003",
                    "memberexpire": "10/31/2019",
                    "membercancel": "00/00/00",
                    "status": "",
                    "email": "ROCKY@gmail.COM",
                    "phone": "(907) 283-5555",
                    "businessphone": "",
                    "cellphone": "",
                    "preferredaddress": {
                            "line1": "335 My house St.",
                            "line2": "",
                            "line3": "",
                            "city": "Kenai",
                            "state": "PA",
                            "zip": "99611",
                            "country": "USA"
                    }
            }
    },
    "billedto": {
            "name": "Smith, John",
            "address": "335 My house St.",
            "city": "Kenai",
            "state": "PA",
            "zip": "99611",
            "country": "USA",
            "details": {
                    "personkey": "1246",
                    "companykey": "",
                    "entitykey": "2003478",
                    "firstname": "John",
```

```
"lastname": "Smith",
"companyname": "Preferred Company  Inc",
"source": "",
"memberactive": "true",
"isnonmember": "false",
"membertype": "Senior",
"membertypecode": "ISNR",
"membersubtype": "Senior",
"membersubtypecode": "ISNR",
"memberno": "0098752",
"memberjoin": "10/8/2003",
"memberexpire": "10/31/2019",
"membercancel": "00/00/00",
"status": "",
"email": "ROCKY@gmail.COM",
"phone": "(907) 283-5555",
"businessphone": "",
"cellphone": "",
"preferredaddress": {
        "line1": "335 My house St.",
        "line2": "",
        "line3": "",
        "city": "Kenai",
        "state": "PA",
        "zip": "99611",
        "country": "USA"
    }
  }
},
"orderitems": [
    {
        "itemkey": "1297",
        "code": "ISNR1",
        "name": "1 Year Senior",
        "status": "Approved",
        "type": "1 Year Membership Dues",
        "linedescription": "1 Year Senior",
        "quantity": "1",
        "unitamt": "0",
        "taxamt": "0",
        "lineamt": "0",
        "receivedamt": "0",
        "downloadlimit": "0",
        "foreignkey": "",
        "isbn": "",
        "weight": 0,
        "itemdescription": "Senior Membership is open to any
individual who is 62 years of age or older.",
```

```json
                                        "downloadurl": "",
                                        "startdate": "10/1/2003",
                                        "enddate": "10/31/2019"
                                }
                        ]
                }
        ]
}


{
        "marketplacetype": "ebooks",
        "orderkey": "",
        "itemkey": "41708",
        "personkey": "",
        "entitykey": "",
        "companykey": "",
        "personmemberno": "",
        "companymemberno": "",
        "Results": [
                {
                        "orderno": "INV-0033993",
                        "createdate": "4/21/2020",
                        "lastpaydate": "00/00/00",
                        "shipdate": "00/00/00",
                        "totalamt": "216.09",
                        "taxamt": "0",
                        "shipamt": "40.09",
                        "receivedamt": "0",
                        "dueamt": "216.09",
                        "orderfor": {
                                "name": "Smith, John",
                                "address": "335 My house St.",
                                "city": "Kenai",
                                "state": "PA",
                                "zip": "99611",
                                "country": "USA",
                                "details": {
                                        "personkey": "1246",
                                        "companykey": "",
                                        "entitykey": "2003478",
                                        "firstname": "John",
                                        "lastname": "Smith",
                                        "companyname": "Preferred Company Inc",
                                        "source": "",
                                        "memberactive": "true",
                                        "isnonmember": "false",
```

```
                    "membertype": "Senior",
                    "membertypecode": "ISNR",
                    "membersubtype": "Senior",
                    "membersubtypecode": "ISNR",
                    "memberno": "0098752",
                    "memberjoin": "10/8/2003",
                    "memberexpire": "10/31/2019",
                    "membercancel": "00/00/00",
                    "status": "",
                    "email": "ROCKY@gmail.com",
                    "phone": "(907) 283-5555",
                    "businessphone": "",
                    "cellphone": "",
                    "preferredaddress": {
                            "line1": "335 My house St.",
                            "line2": "",
                            "line3": "",
                            "city": "Kenai",
                            "state": "PA",
                            "zip": "99611",
                            "country": "USA"
                    }
            }
    },
    "billedto": {
            "name": "Smith, John",
            "address": "335 My house St.",
            "city": "Kenai",
            "state": "PA",
            "zip": "99611",
            "country": "USA",
            "details": {
                    "personkey": "1246",
                    "companykey": "",
                    "entitykey": "2003478",
                    "firstname": "John",
                    "lastname": "Smith",
                    "companyname": "Preferred Company Inc",
                    "source": "",
                    "memberactive": "true",
                    "isnonmember": "false",
                    "membertype": "Senior",
                    "membertypecode": "ISNR",
                    "membersubtype": "Senior",
                    "membersubtypecode": "ISNR",
                    "memberno": "0098752",
                    "memberjoin": "10/8/2003",
                    "memberexpire": "10/31/2019",
```

```
                              "membercancel": "00/00/00",
                              "status": "",
                              "email": "ROCKY@gmail.com",
                              "phone": "(907) 283-5555",
                              "businessphone": "",
                              "cellphone": "",
                              "preferredaddress": {
                                     "line1": "335 My house St.",
                                     "line2": "",
                                     "line3": "",
                                     "city": "Kenai",
                                     "state": "PA",
                                     "zip": "99611",
                                     "country": "USA"
                              }
                       }
                },
                "orderitems": [
                       {
                              "itemkey": "41708",
                              "code": "351-2018a",
                              "name": "351-2018a Applied in Place Pipe Rehabilitation
(AIPPR) Systems",
                              "status": "Approved",
                              "type": "eBooks",
                              "linedescription": "351-2018a Applied in Place Pipe
Rehabilitation (AIPPR) Systems",
                              "quantity": "1",
                              "unitamt": "56",
                              "taxamt": "0",
                              "lineamt": "56",
                              "receivedamt": "0",
                              "downloadlimit": "0",
                              "foreignkey": "1208",
                              "isbn": "",
                              "weight": 5.5,
                              "itemdescription": "",
                              "downloadurl": "https:///mydownloads/18a Applied
1234.pdf",
                              "startdate": "",
                              "enddate": ""
                       }
                ]
         }
   ]
}
```

POST/oauth/v2/order/build

Creates an historical order transaction in MemberMax . The personkey or company key is required. The billerpersonkey or billercompanykey is optional if the biller is different from the order recipient. All tem parameters are required. The itemid must match a foreign key in the MemberMax marketplace. The MemberMax historical order 34006 is returned when the order response is valid.

Example Request:
```
{
        "orders": [
                {
                        "personkey": "35046",
                        "companykey": "",
                        "billerpersonkey": "",
                        "billercompanykey": "",
                        "billeremail": "",
                        "email": "PCsolutions@membermax.com",
                        "ordertype": "",
                        "items": [
                                {
                                        "itemid": "88",
                                        "datestart": "00/00/00",
                                        "dateend": "00/00/00",
                                        "qty": "1",
                                        "unitprice": "25",
                                        "amtpaid": "25"
                                }
                        ]
                }
        ]
}
```

```
{
        "orders": [
                {
                        "personkey": "35046",
                        "companykey": "",
                        "billerpersonkey": "",
                        "billercompanykey": "",
```

"billeremail": "",
"email": "PCsolutions@membermax.com",
"ordertype": "",
"items": [
    {
        "itemid": "88",
        "datestart": "00/00/00",
        "dateend": "00/00/00",
        "qty": "1",
        "unitprice": "25",
        "amtpaid": "25",
        "itemresponse": "valid"
    }
],
"orderresponse": "valid",
"invoiceid": "34006"
}
]
}