

Vodia PBX – RESTful API

(v2.0)

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Login

[Initiate an HTTP PUT Request to the server from the application with the Login credentials of the PBX](#)

```
PUT /rest/system/session HTTP/1.1
Host: nyc.snomone.com
Connection: keep-alive
Content-Length: 65
Origin: http://myserver.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Content-Type: application/json
Accept: */*
DNT: 1
Referer: http://myserver.com/welcome.htm
Accept-Encoding: gzip,deflate,sdch
Accept-Language: en-US,en;q=0.8
Cookie: acct_table#pageNavPos=1
```

```
{"name":"auth","value":"admin 97c9bb5fec29bfbfd0069adb232d610"} ← username and md5
encrypted password
```

[Response from PBX contains the Session key to be used in subsequent messages](#)

```
HTTP/1.1 200 Ok
Cache-Control: no-cache
Content-Type: application/json
Content-Length: 22
```

```
{ "g7lsrphhrkim1jkvbt88"
```

Get license info

[Initiate an HTTP GET Request to the server from the application to get license info](#)

```
GET /rest/system/license HTTP/1.1
Host: myserver.com
Connection: keep-alive
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Accept: */*
DNT: 1
Referer: http://myserver.com/welcome.htm
Accept-Encoding: gzip,deflate,sdch
Accept-Language: en-US,en;q=0.8
Cookie: acct_table#pageNavPos=1; session=g7lsrphhrkim1jkvbt88
```

[Response from the PBX contains the license details](#)

```
HTTP/1.1 200 Ok
Cache-Control: no-cache
Content-Type: application/json
Content-Length: 645
```

```
{ "key": "5V8BC7ABQ609", "name": "Vodia PBX Hosted (My Server) 5V8-BC7-ABQ-609", "expires": "Active
subscription", "status": "", "remaining": "59", "usage": " Domains: 41/1000, Calls: 5/200, G729A: 200,
Extensions: 232/10000, Attendants: 43/10000, Callingcards: 4/10000, Hunt Groups: 65/10000, Paging
Groups: 4/10000, Service Flags: 25/10000, IVR Nodes: 14/10000, Agent Groups: 7/10000, Conference
Rooms: 6/10000, CO Lines: 13/10000, Adhoc Recording, CSTA, Lync Connectivity, WebRTC support,
Barge, Listen, Whisper, Trunk Accounting, Prepaid, Automatic Recording,
Fax2Email", "licensed": true, "hosted": true, "agreement": "20130614", "type": "color", "company": "" }
```

Get a complete list of domains

[Initiate an HTTP GET Request to the server from the application to get domain info](#)

```
GET /rest/system/domaininfo HTTP/1.1
Host: myserver.com
Connection: keep-alive
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.94 Safari/537.36
Accept: */*
DNT: 1
Referer: http://myserver.com/reg_domains.htm
Accept-Encoding: gzip,deflate,sdch
Accept-Language: en-US,en;q=0.8
Cookie: session= g7lsrphhrkim1jkvbt88
```

[Response from the PBX includes a complete list of all domains and their details](#)

```
HTTP/1.1 200 Ok
Cache-Control: no-cache
Content-Type: application/json
Content-Length: 6122
```

```
{
  "id":1,"name":"localhost","alias":["localhost","localhost"],"country":"","extensions":0,"accounts":0,"visible":true,"registrations":0},
  {"id":12,"name":"ncoc.mycompany.us","alias":["northlandcoc","ncoc.mycompany.us"],"country":"1","extensions":10,"accounts":21,"visible":true,"registrations":9},
  {"id":18,"name":"jaas.mycompany.us","alias":["jaassystems","jaas.mycompany.us"],"country":"1","extensions":7,"accounts":19,"visible":true,"registrations":7},
  {"id":20,"name":"curtain.mycompany.us","alias":["admin","domain","curtain","curtain.mycompany.us"],"country":"1","extensions":1,"accounts":6,"visible":true,"registrations":0},
  {"id":25,"name":"pp.mycompany.us","alias":["pacificpools","pp.mycompany.us"],"country":"1","extensions":3,"accounts":9,"visible":true,"registrations":3},
  {"id":26,"name":"mycompany.mycompany.us","alias":["mycompany.mycompany.us","magi"],"country":"1","extensions":7,"accounts":22,"visible":true,"registrations":3},
  {"id":34,"name":"lsi.mycompany.net","alias":["liithik","lsi.mycompany.net","systems"],"country":"1","extensions":9,"accounts":18,"visible":true,"registrations":8},
  {"id":37,"name":"cac.mycompany.us","alias":["cac.mycompany.us","christianassembly"],"country":"1","extensions":15,"accounts":28,"visible":true,"registrations":16},
  {"id":40,"name":"abc.mycompany.us","alias":["abc.mycompany.us","abovebeyond"],"country":"1","extensions":9,"accounts":16,"visible":true,"registrations":3},
  {"id":48,"name":"cuhh.mycompany.us","alias":["communityunited","cuhh.mycompany.us"],"country":"1","extensions":9,"accounts":23,"visible":true,"registrations":2},
}
```

```
{
  "id":58,"name":"abs.mycompany.us","alias":["united","abs.mycompany.us"],"country":"1","extensions":0,"accounts":2,"visible":true,"registrations":0},
  {"id":59,"name":"aft.mycompany.us","alias":["apostolic","aft.mycompany.us"],"country":"1","extensions":13,"accounts":33,"visible":true,"registrations":4},
  {"id":62,"name":"emm.mycompany.us","alias":["columbuscompact","emm.mycompany.us"],"country":"1","extensions":11,"accounts":27,"visible":true,"registrations":5},
  {"id":66,"name":"dmb.mycompany.us","alias":["dr.bernsdorf","dmb.mycompany.us"],"country":"1","extensions":9,"accounts":23,"visible":true,"registrations":7},
  {"id":67,"name":"mhw.mycompany.us","alias":["myhealthwatcher","mhw.mycompany.us"],"country":"1","extensions":15,"accounts":18,"visible":true,"registrations":3},
  {"id":69,"name":"m2.mycompany.us","alias":["center","destiny","m2.mycompany.us"],"country":"1","extensions":18,"accounts":37,"visible":true,"registrations":14},
  {"id":73,"name":"blp.mycompany.net","alias":["blp.mycompany.net","law","bryon","potts"],"country":"1","extensions":13,"accounts":31,"visible":true,"registrations":13},
  {"id":74,"name":"csi.mycompany.net","alias":["csi.mycompany.net","csi.mycompany.net2"],"country":"1","extensions":27,"accounts":51,"visible":true,"registrations":21},
  {"id":78,"name":"jitcs.mycompany.us","alias":["just","in","jitcs.mycompany.us","time"],"country":"1","extensions":10,"accounts":24,"visible":true,"registrations":5},
  {"id":79,"name":"unique.mycompany.net","alias":["services","unique.mycompany.net","unique"],"country":"1","extensions":22,"accounts":34,"visible":true,"registrations":5},
  {"id":80,"name":"xpo.mycompany.net","alias":["xpo.mycompany.net","logistics","xpo","global"],"country":"1","extensions":15,"accounts":31,"visible":true,"registrations":12},
  {"id":81,"name":"dhc.mycompany.net","alias":["house","call","doctors","dhc.mycompany.net"],"country":"1","extensions":0,"accounts":4,"visible":true,"registrations":0},
  {"id":82,"name":"opi.mycompany.net","alias":["odyssey","opi.mycompany.net","press"],"country":"1","extensions":6,"accounts":13,"visible":true,"registrations":5},
  {"id":83,"name":"ums.mycompany.net","alias":["staffing","ums.mycompany.net","medical","universal"],"country":"1","extensions":2,"accounts":7,"visible":true,"registrations":0},
  {"id":84,"name":"ics.mycompany.net","alias":["ics.mycompany.net","10.2.2.1"],"country":"1","extensions":2,"accounts":3,"visible":true,"registrations":2}
}
```

Get the details of a specific domain

[Initiate an HTTP PUT Request to request access to a particular domain on the PBX](#)

```
PUT /rest/system/session HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 51
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Content-Type: application/json
Accept: */*
DNT: 1
Referer: http://mycompany/reg_domains.htm
Accept-Encoding: gzip,deflate,sdch
Accept-Language: en-US,en;q=0.8
Cookie: session=g7lsrphhrkim1jkbvt88; acct_table#pageNavPos=1
```

```
{"name":"domain","value":"ncoc.mycompany.us"} ← The name of the requested domain
```

[Response from the PBX acknowledges the access request](#)

```
HTTP/1.1 200 Ok
Cache-Control: no-cache
Content-Type: application/json
Content-Length: 4
```

```
{ true
```

[Initiate an HTTP GET Request to get the details of the requested domain](#)

```
GET /dom_accounts.htm HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
DNT: 1
Referer: http://mycompany/reg_domains.htm
Accept-Encoding: gzip,deflate,sdch
Accept-Language: en-US,en;q=0.8
Cookie: session=g7lsrphhrkim1jkbvt88; acct_table#pageNavPos=1
```

[Response from the PBX contains the details of accounts for the domain embedded in the HTML code](#)

HTTP/1.1 200 Ok
 Date: Wed, 01-Oct-2014 16:52:18 GMT
 Content-Type: text/html
 Cache-Control: no-cache
 Cache-Control: no-store
 Server: PBX/5.2.4 (CentOS64)
 Content-Length: 25530

.....

```
var users = {"action": "domain-list", "accounts": [
{"id": 139, "account": "121", "alias": ["121"], "ani": "", "type": "extensions", "enabled": "false", "license": "", "visible": "", "name": "Kenny (HOME)"},
{"id": 140, "account": "101", "alias": ["101"], "ani": "", "type": "extensions", "enabled": "false", "license": "", "visible": "", "name": "Jeff Plum"},
{"id": 141, "account": "108", "alias": ["108"], "ani": "", "type": "extensions", "enabled": "false", "license": "", "visible": "", "name": "Back Office"},
{"id": 142, "account": "107", "alias": ["107"], "ani": "", "type": "extensions", "enabled": "false", "license": "", "visible": "", "name": "Kelly Garner"},
{"id": 143, "account": "105", "alias": ["105"], "ani": "", "type": "extensions", "disabled": "false", "license": "", "visible": "", "name": "Jim Asher"},
{"id": 148, "account": "301", "alias": ["301"], "ani": "", "type": "extensions", "enabled": "false", "license": "", "visible": "", "name": "Standard Voicemail"},
{"id": 149, "account": "302", "alias": ["302"], "ani": "", "type": "extensions", "disabled": "false", "license": "", "visible": "", "name": "Night Voicemail"},
{"id": 151, "account": "200", "alias": ["200"], "ani": "", "type": "hunts", "disabled": "", "license": "", "visible": "", "name": "Company Ring Group"},
{"id": 152, "account": "500", "alias": ["500"], "ani": "", "type": "attendants", "disabled": "", "license": "", "visible": "", "name": "Company Day Attendant"},
{"id": 153, "account": "501", "alias": ["501"], "ani": "", "type": "attendants", "disabled": "", "license": "", "visible": "", "name": "Company Night Attendant"},
{"id": 154, "account": "62", "alias": ["62"], "ani": "", "type": "srvflags", "disabled": "", "license": "", "visible": "", "name": "Daily Open"},
{"id": 155, "account": "65", "alias": ["65"], "ani": "", "type": "srvflags", "disabled": "", "license": "", "visible": "", "name": "Off Hours"},
{"id": 157, "account": "125", "alias": ["125"], "ani": "", "type": "extensions", "disabled": "", "license": "", "visible": "", "name": "Aaron (HOME)"},
{"id": 175, "account": "131", "alias": ["131"], "ani": "", "type": "extensions", "disabled": "", "license": "", "visible": "", "name": "Daniel (Mobile)"},
{"id": 913, "account": "560", "alias": ["560"], "ani": "", "type": "extensions", "disabled": "", "license": "", "visible": "", "name": "560"}], "change": "true"};
```

.....

Get CDR count

[Initiate an HTTP POST Request to request call logs count](#)

```
POST /json HTTP/1.1
Host: nyc.snomone.com
Connection: keep-alive
Content-Length: 68
Origin: http:// mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Content-Type: application/json
Accept: */*
DNT: 1
Referer: http:// mycompany.com /dom_callog.htm
Accept-Encoding: gzip,deflate
Accept-Language: en-US,en;q=0.8
Cookie: session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1
```

```
{"action": "count-cdr-summary", "start": 0, "length": 1000, "domain": true} ← Request CDR count
```

[Response from the PBX contains CDR count](#)

```
HTTP/1.1 200 Ok
Content-Type: application/json
Content-Length: 3
```

{ 520

← The total number of CDR records

Get CDR records

[Initiate an HTTP POST Request to request the first 50 call logs](#)

```
POST /json HTTP/1.1
Host: nyc.snomone.com
Connection: keep-alive
Content-Length: 97
Origin: http:// mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Content-Type: application/json
Accept: */*
DNT: 1
Referer: http:// mycompany.com /dom_callog.htm
Accept-Encoding: gzip,deflate
Accept-Language: en-US,en;q=0.8
Cookie: session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1
```

```
{"action":"load-cdr-summary","start":0,"length":50,"domain":true,"user":"false","missed":"false"}
```

[Response from the PBX contains the first 50 CDR records](#)

```
HTTP/1.1 200 Ok
Content-Type: application/json
Content-Length: 15023
```

```
{
  [{"id":408692,"call_id":"D496D9D4@192.168.22.50","domain":7,"from":"\\"Carmen Real\\"
  <sip:1123143330@ncoc.mycompany.us>","to":"\\"Benjamin Realty New York, LLC.\\"
  <sip:+17548429060@ncoc.mycompany.us>","start":"1412969909.182","connect":"","end":"141296991
  1.748","extensions":[],"trunks":[20]},
  {"id":408691,"call_id":"B0BC283D@192.168.22.50","domain":7,"from":"\\"Jose Fontana\\"
  <sip:109311284750@ncoc.mycompany.us>","to":"\\"Benjamin Realty New York, LLC.\\"
  <sip:+17548429060@ncoc.mycompany.us>","start":"1412969880.400","connect":"","end":"141296990
  7.766","extensions":[],"trunks":[20]},
  {"id":408688,"call_id":"9AE2201A@192.168.22.50","domain":7,"from":"\\"Rico Alvaraz\\"
  <sip:+18889692657@ncoc.mycompany.us>","to":"\\"Benjamin Realty New York, LLC.\\"
  <sip:+17548429060@ncoc.mycompany.us>","start":"1412969802.671","connect":"1412969832.702","e
  nd":"1412969835.1","extensions":[],"trunks":[20]},
  .....
}
```

Get extension info

[Request access to a specific Account on the PBX](#)

```
GET /rest/user/101%40ncoc.mycompany.us/wallboard HTTP/1.1
Host: mycompany.com
Connection: keep-alive
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Accept: */*
DNT: 1
Referer: http://mycompany.com /usr_index.htm
Accept-Encoding: gzip,deflate,sdch
Accept-Language: en-US,en;q=0.8
Cookie: session= g7lsrphrkim1jkvbt88; acct_table#pageNavPos=1
```

[Response from the PBX contains an empty array](#)

```
HTTP/1.1 200 Ok
Cache-Control: no-cache
Content-Type: application/json
Content-Length: 2
```

{ []

Get Voicemail list

[Request access to Voicemail messages of the account](#)

```
GET /rest/user/self/messages HTTP/1.1
Host: mycompany.com
Connection: keep-alive
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Accept: */*
DNT: 1
Referer: http://mycompany.com /usr_index.htm
Accept-Encoding: gzip,deflate,sdch
Accept-Language: en-US,en;q=0.8
Cookie: session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1
```

[Response from the PBX contains a complete list of Voicemail messages for the requested account](#)

```
HTTP/1.1 200 Ok
Cache-Control: no-cache
Content-Type: application/json
Content-Length: 3113
```

```
{
  "20665":{"start":"1409792598.186","from":"\"Ted Ronson\"
<sip:+18452139912@ncoc.mycompany.us>","duration":"13","isnew":"false","attribute":"","type":"vmail
"},
  "20769":{"start":"1409866890.741","from":"\"Harry Barnes\"
<sip:+19172996424@ncoc.mycompany.us>","duration":"18","isnew":"false","attribute":"","type":"vmail
"},
  "23106":{"start":"1412776796.191","from":"\"Taylor Cranston\"
<sip:+12013945762@ncoc.mycompany.us>","duration":"1","isnew":"false","attribute":"","type":"vmail
"},
  "23142":{"start":"1412787877.6","from":"\"Jerry Wagner\"
<sip:+18456626519@ncoc.mycompany.us>","duration":"2","isnew":"false","attribute":"","type":"vmail
"}
  .....
  .....
}
```

Get a Voicemail message

[Initiate a GET request to download a specific voicemail message using its ID](#)

```
GET /audio.wav?type=voicemail&id=23106 HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Accept-Encoding: identity;q=1, *,q=0
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Accept: */*
DNT: 1
Referer: http://mycompany.com /usr_index.htm
Accept-Language: en-US,en;q=0.8
Cookie: session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1
Range: bytes=0-
```

[Response from the PBX contains the voicemail WAV data](#)

```
HTTP/1.1 200 Ok
Date: Tue, 14-Oct-2014 21:19:03 GMT
Server: PBX/5.2.3a (CentOS64)
Cache-Control: no-cache
Content-Type: audio/wav
Content-Length: 195244
```

```
{ RIFF....WAVEfmt .....@....>.....data....`h.....(.(. ...x.`...x.h.8.0.(.....P.X.p.P.`x.h
<WAV DATA>
```

Get user settings

[Initiate a GET request to access the detailed settings of the extension](#)

```
GET /rest/domain/self/account/self/user_settings HTTP/1.1
Host: mycompany.com
Connection: keep-alive
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Accept: */*
DNT: 1
Referer: http://mycompany.com /usr_index.htm
Accept-Encoding: gzip,deflate,sdch
Accept-Language: en-US,en;q=0.8
Cookie: session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1
```

[Response from the PBX contains the detailed extension settings](#)

```
HTTP/1.1 200 Ok
Cache-Control: no-cache
Content-Type: application/json
Content-Length: 3965
```

```
{
  "table": "users",
  "settings": {
    "first_name": {
      "name": "first_name",
      "value": "Jeff",
      "display_name": {
        "name": "display_name",
        "value": "Plum",
        "position": {
          "name": "position",
          "value": ""
        },
        "picture": {
          "name": "picture",
          "value": "http://x-pre-http/images/extensions5.jpg",
          "cell_dis": {
            "name": "cell_dis",
            "value": "781-123-4567",
            "no_vpa": {
              "name": "no_vpa",
              "value": "false",
              "cell_time": {
                "name": "cell_time",
                "value": "0",
                "cell_night": {
                  "name": "cell_night",
                  "value": ""
                },
                "cell_hunt": {
                  "name": "cell_hunt",
                  "value": "true",
                  "cell_acd": {
                    "name": "cell_acd",
                    "value": "true",
                    "cell_conn": {
                      "name": "cell_conn",
                      "value": ""
                    },
                    "cell_c2d": {
                      "name": "cell_c2d",
                      "value": "true",
                      "cell_never": {
                        "name": "cell_never",
                        "value": ""
                      },
                      "cell_always": {
                        "name": "cell_always",
                        "value": ""
                      },
                      "hours_mon": {
                        "name": "hours_mon",
                        "value": "9:00-12:00 13:00-18:00",
                        "hours_tue": {
                          "name": "hours_tue",
                          "value": "9:00-12:00 13:00-18:00",
                          "hours_wed": {
                            "name": "hours_wed",
                            "value": "9:00-12:00 13:00-18:00",
                            "hours_thu": {
                              "name": "hours_thu",
                              "value": "9:00-12:00 13:00-18:00",
                              "hours_fri": {
                                "name": "hours_fri",
                                "value": "9:00-12:00 13:00-18:00",
                                "hours_sat": {
                                  "name": "hours_sat",
                                  "value": "9:00-12:00 13:00-18:00",
                                  "hours_sun": {
                                    "name": "hours_sun",
                                    "value": "9:00-12:00 13:00-18:00",
                                    "hours_holiday": {
                                      "name": "hours_holiday",
                                      "value": ""
                                    },
                                    "tz": {
                                      "name": "tz",
                                      "value": "EST",
                                      "lang_web": {
                                        "name": "lang_web",
                                        "value": ""
                                      },
                                      "lang_audio": {
                                        "name": "lang_audio",
                                        "value": "en",
                                        "melody": {
                                          "name": "melody",
                                          "value": ""
                                        },
                                        "moh": {
                                          "name": "moh",
                                          "value": "1",
                                          "adrbook_pref": {
                                            "name": "adrbook_pref",
                                            "value": "both",
                                            "include_local": {
                                              "name": "include_local",
                                              "value": "true",
                                              "lync_username": {
                                                "name": "lync_username",
                                                "value": ""
                                              },
                                              "lync_authname": {
                                                "name": "lync_authname",
                                                "value": ""
                                              },
                                              "buddies": {
                                                "name": "buddies",
                                                "value": "*"
                                              },
                                              "presence": {
                                                "name": "presence",
                                                "value": "*"
                                              },
                                              "dialog_subscribe": {
                                                "name": "dialog_subscr"

```

```

ibe", "value":""}, "pickups":{"name":"pickups", "value":""}, "orbits":{"name":"orbits", "value":"66 67 68
69"}, "block_cid":{"name":"block_cid", "value":"false"}, "cw":{"name":"cw", "value":"true"}, "wakeup":{"na
me":"wakeup", "value":""}, "cfa":{"name":"cfa", "value":""}, "cfa_times":{"name":"cfa_times", "value":{"s
elected\\:\\\\"}}, "cfb":{"name":"cfb", "value":""}, "cfb_times":{"name":"cfb_times", "value":{"selected\\
:\\\\"}}, "cfn":{"name":"cfn", "value":""}, "cfn_timeout":{"name":"cfn_timeout", "value":""}, "cfn_times":{"
name":"cfn_times", "value":{"selected\\:\\\\"}}, "cfd":{"name":"cfd", "value":""}, "anonymous":{"name
":"anonymous", "value":"false"}, "cfr":{"name":"cfr", "value":""}, "dnd":{"name":"dnd", "value":"false"}, "e
mail_address":{"name":"email_address", "value":"jeff@mycompany.com; jeff.plum@mycompany.com
"}, "email_vmail":{"name":"email_vmail", "value":"attach"}, "vmail_option":{"name":"vmail_option", "valu
e":"keep"}, "email_missed":{"name":"email_missed", "value":"true"}, "email_mb_full":{"name":"email_m
b_full", "value":"true"}, "email_all":{"name":"email_all", "value":"true"}, "email_status":{"name":"email_s
tatus", "value":"true"}, "email_black_call":{"name":"email_black_call", "value":"true"}, "wakeup_fail_email":
{"name":"wakeup_fail_email", "value":""}, "mb_enable":{"name":"mb_enable", "value":"true"}, "mb_timeo
ut":{"name":"mb_timeout", "value":"15"}, "mb_size":{"name":"mb_size", "value":"100"}, "name_use"
":{"name":"name_use", "value":"false"}, "mailbox_access":{"name":"mailbox_access", "value":""}, "mwi":{"
name":"mwi", "value":"true"}, "cell_mwi":{"name":"cell_mwi", "value":"true"}, "mailbox_escape":{"name"
:"mailbox_escape", "value":""}, "mailbox_group":{"name":"mailbox_group", "value":""}, "mb_play_env":{"
name":"mb_play_env", "value":""}, "mb_offer_cell":{"name":"mb_offer_cell", "value":"false"}, "actsync_u
sername":{"name":"actsync_username", "value":" jeff@mycompany.com
"}, "actsync_password":{"name":"actsync_password", "value":"Test12345"}, "actsync_address":{"name":"
actsync_address", "value":""}, "actsync_cert":{"name":"actsync_cert", "value":""}, "actsync_calendar":{"na
me":"actsync_calendar", "value":"true"}, "actsync_room":{"name":"actsync_room", "value":"751"}, "actsy
nc_timer":{"name":"actsync_timer", "value":"0"}}}

```

Get recordings count

[Initiate an HTTP POST Request to get call recordings count](#)

```
POST /json HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 53
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Content-Type: application/json
Accept: */*
DNT: 1
Referer: http://mycompany.com /dom_recordings.htm
Accept-Encoding: gzip,deflate
Accept-Language: en-US,en;q=0.8
Cookie: session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1; ui_dom_other=block
```

```
{"action": "count-recordings", "start": 0, "length": 1000}
```

[Response from the PBX contains the total number of recorded calls](#)

```
HTTP/1.1 200 Ok
Content-Type: application/json
Content-Length: 3
```

```
{ 126
```


Get recordings list

[Initiate an HTTP POST Request to get a list of first 50 call recordings](#)

```
POST /json HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 50
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Content-Type: application/json
Accept: */*
DNT: 1
Referer: http://mycompany.com /dom_recordings.htm
Accept-Encoding: gzip,deflate
Accept-Language: en-US,en;q=0.8
Cookie: session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1; ui_dom_other=block
```

```
{"action":"load-recordings","start":0,"length":50}
```

[Response from the PBX contains a list of the first 50 recorded calls](#)

```
HTTP/1.1 200 Ok
Content-Type: application/json
Content-Length: 10043
```

```
{{"file":110835,"from":"\Lenny Farrel\" <sip:117@ncoc.mycompany.us>","to":"\Jeff Plum\"
<sip:101@ncoc.mycompany.us>","agent":168,"group":168,"status":"","time":"1413390720.480"},
{"file":110825,"from":"\Robert Williams\"
<sip:101@ncoc.mycompany.us>","to":"<sip:+18009876810@ncoc.mycompany.us>","agent":0,"group":
168,"status":"","time":"1413390213.866"},
{"file":110749,"from":"\Goliath Accounts Payable\"
<sip:+18889692657@ncoc.mycompany.us>","to":"\Hardy Law, LLC.\"
<sip:+12128429060@ncoc.mycompany.us>","agent":0,"group":134,"status":"","time":"1413384485.619
"},
.....
{"file":107735,"from":"\Jeff Plum\"
<sip:100@ncoc.mycompany.us>","to":"<sip:+12124212404@ncoc.mycompany.us>","agent":0,"group":
134,"status":"","time":"1412701226.71"}}
```

Get a call recording file

[Initiate a GET request to download a specific recorded call using its ID](#)

```
GET /audio.wav?type=recording&id=110859 HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Accept-Encoding: identity;q=1, *,q=0
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Accept: */*
DNT: 1
Referer: http://mycompany.com /dom_recordings.htm
Accept-Language: en-US,en;q=0.8
Cookie: session= g7lsrphhrkim1jkvbt88; ui_reg_gen=block; acct_table#pageNavPos=1;
ui_dom_other=block
Range: bytes=0-
```

[Response from the PBX contains the call recording WAV data](#)

```
HTTP/1.1 200 Ok
Date: Wed, 15-Oct-2014 18:06:14 GMT
Server: PBX/5.2.3a (CentOS64)
Cache-Control: no-cache
Content-Type: audio/wav
Content-Length: 529644
```

```
{ RIFF....WAVEfmt .....@.....>.....data....`h.....(.(. ...x.`...x.h.8.0.(.....P.X.p.P.`x.h
<WAV DATA>
```

Get real-time active call statistics

[Setup a websocket connection to the PBX to receive real-time active calls data](#)

```
GET / HTTP/1.1
Upgrade: websocket
Connection: Upgrade
Host: mycompany.com
Origin: http://mycompany.com
Pragma: no-cache
Cache-Control: no-cache
Sec-WebSocket-Key: tTpE68FFbdVBCVUYTEXDVG==
Sec-WebSocket-Version: 13
Sec-WebSocket-Extensions: permessage-deflate; client_max_window_bits, x-webkit-deflate-frame
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/37.0.2062.120 Safari/537.36
Cookie: ui_reg_gen=block; session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1;
ui_dom_other=block
```

[Response from the PBX contains a websocket connection acknowledgment followed by websocket application data](#)

```
HTTP/1.1 101 WebSocket Protocol Handshake
Upgrade: websocket
Connection: Upgrade
Sec-WebSocket-Accept: 92yFT+d6U2PMTV9COrHO1PzdLpM=
```

```
....z....u...x..Xq..Wu...e...~.f ← Header
{"action":"call-state","calls":[
{"id":85895,"from":"\"AUTO PARTS\"
<sip:+12345678901@nyc.snomone.com>","to":"<sip:+19087654321@ncoc.mycompany.us>","start":"14
13395251.147","domain":"ncoc.mycompany.us","rec":"none","cmc":"95811","priority":"1","state":"con
nected"},
{"id":86031,"from":"\"Wendy Williams\"
<sip:992@dhc.mycompany.net>","to":"<sip:+12221113333@dhc.mycompany.net>","start":"141339855
2.928","domain":"dhc.mycompany.net","rec":"none","cmc":"","priority":"","state":"connected"},
{"id":86040,"from":"\"Charles Damien\" <sip:1227@abs.mycompany.us>","to":"\"1229\"
<sip:1229@abs.mycompany.us>","start":"1413398870.585","domain":"abs.mycompany.us","rec":"none
","cmc":"","priority":"","state":"connected"},
{"id":86046,"from":"\"CARWORKS LLC\"
<sip:+15557861234@xpo.mycompany.net>","to":"<sip:+12134567890@xpo.mycompany.net>","start":"
1413398961.661","domain":"xpo.mycompany.net","rec":"none","cmc":"","priority":"","state":"c
alerting "}]}}
```

Create domain

[Send a POST request with the domain FQDN and the Alias](#)

```
POST /rest/system/domains HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 32
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/41.0.2272.89 Safari/537.36
Content-Type: application/json
Accept: */*
DNT: 1
Referer: http://mycompany.com /reg_domains.htm
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: ui_reg_gen=none; ui_reg_sip=none; ui_reg_email=none; ui_reg_net=none; ui_usr_feat=block;
ui_dom_other=block; session= g7lsrphrkim1jkvbt88
```

```
["mycompany.domain4.com","192.168.0.5"]
```

[Response from the PBX contains an "ok" body](#)

```
HTTP/1.1 200 Ok
Cache-Control: no-cache
Content-Type: application/json
Content-Length: 4
```

{ "ok" ← **Response text**

Configure domain country code

[Send a PUT request for the new domain with the country_code JSON object](#)

```
PUT /rest/domain/mycompany.domain4.com/config HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 20
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/41.0.2272.89 Safari/537.36
Content-Type: application/json
Accept: */*
DNT: 1
Referer: http://mycompany.com /reg_domains.htm
Accept-Encoding: gzip, deflate, sdch
Accept-Language: en-US,en;q=0.8
Cookie: ui_reg_gen=none; ui_reg_sip=none; ui_reg_email=none; ui_reg_net=none; ui_usr_feat=block;
ui_dom_other=block; session= g7lsrphrkim1jkvbt88
```

```
{"country_code": "1"}
```

[Response from the PBX contains an "ok" body](#)

```
HTTP/1.1 200 Ok
Cache-Control: no-cache
Content-Type: application/json
Content-Length: 4
```

{ "ok" ← **Response text**

Create extension

[Send a PUT request to switch to domain context](#)

```
PUT /rest/system/session HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 42
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/41.0.2272.89 Safari/537.36
Content-Type: application/json
Accept: */*
DNT: 1
Referer: http://mycompany.com /reg_domains.htm
Accept-Encoding: gzip, deflate, sdch
Accept-Language: en-US,en;q=0.8
Cookie: ui_reg_gen=none; ui_reg_sip=none; ui_reg_email=none; ui_reg_net=none; ui_usr_feat=block;
ui_dom_other=block; session= g7lsrphrkim1jkvbt88
```

```
{"name":"domain","value":"mycompany.domain4.com"}
```

[Response from the PBX contains a true value in the body](#)

```
HTTP/1.1 200 Ok
Cache-Control: no-cache
Content-Type: application/json
Content-Length: 4
```

```
{ true
```

[Send a POST request with the extension config content in the body](#)

```
POST /dom_acclist.htm HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 241
Cache-Control: max-age=0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/41.0.2272.89 Safari/537.36
Content-Type: application/x-www-form-urlencoded
DNT: 1
Referer: http://mycompany.com /dom_acclist.htm
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: ui_reg_gen=none; ui_reg_sip=none; ui_reg_email=none; ui_reg_net=none; ui_usr_feat=block;
session= g7lsrphhrkim1jkvbt88; ui_dom_other=block
```

{ type=**extensions**&account=&account_ext=**101**&first_name=John&last_name=Doe&password=mysw
ord&password=myspassword&mb_pin=12345&mb_pin=12345&email=myname%40mycompany.com&c
ell=1234567890&mac=* &dialplan=&pnp=none&type1=all&csv=&csv1=&addacc=**Create**

[Response from the PBX contains an HTML body after creating the extension](#)

```
HTTP/1.1 200 Ok
Date: Mon, 23-Mar-2015 19:47:21 GMT
Content-Type: text/html
Cache-Control: no-cache
Cache-Control: no-store
Server: PBX/5.2.5 (CentOS64)
Content-Length: 22806
```

```
<html>
...
</html>
```

Delete extension

[Send a POST request with a delete command in the body](#)

```
POST /dom_accounts.htm HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 53
Cache-Control: max-age=0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/41.0.2272.89 Safari/537.36
Content-Type: application/x-www-form-urlencoded
DNT: 1
Referer: http://mycompany.com/dom_accounts.htm?view_type=extensions
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: ui_reg_gen=none; ui_reg_sip=none; ui_reg_email=none; ui_reg_net=none; ui_usr_feat=block;
session= g7lsrphhrkim1jkvbt88; ui_dom_other=block; acct_table#pageNavPos=1
```

accounts%5B%5D=**101**&delete_selected=**Delete**&acc_action= ← **Specifies the account to delete (101) and the Delete command**

[Response from the PBX contains an HTML body after deleting the extension](#)

```
HTTP/1.1 200 Ok
Date: Mon, 23-Mar-2015 19:47:21 GMT
Content-Type: text/html
Cache-Control: no-cache
Cache-Control: no-store
Server: PBX/5.2.5 (CentOS64)
Content-Length: 22806
```

```
<html>
...
</html>
```


Create conferencing account

[Send a POST request with the conference config content in the body](#)

```
POST /dom_acclist.htm HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 137
Cache-Control: max-age=0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/41.0.2272.89 Safari/537.36
Content-Type: application/x-www-form-urlencoded
DNT: 1
Referer: http://mycompany.com/dom_acclist.htm
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: ui_reg_gen=none; ui_reg_sip=none; ui_reg_email=none; ui_reg_net=none; ui_usr_feat=block;
session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1; ui_dom_other=block

type=conferences&account=500&account_ext=&first_name=&last_name=&email=&cell=&mac=*&dialp
lan=&pnp=none&type1=all&csv=&csv1=&addacc=Create
```

[Response from the PBX contains an HTML body after creating the conferencing account](#)

```
HTTP/1.1 200 Ok
Date: Mon, 23-Mar-2015 19:47:21 GMT
Content-Type: text/html
Cache-Control: no-cache
Cache-Control: no-store
Server: PBX/5.2.5 (CentOS64)
Content-Length: 22806
```

```
<html>
...
</html>
```

Create IVR account

[Send a POST request with the IVR config content in the body](#)

```
POST /dom_acclist.htm HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 137
Cache-Control: max-age=0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/41.0.2272.89 Safari/537.36
Content-Type: application/x-www-form-urlencoded
DNT: 1
Referer: http://mycompany.com/dom_acclist.htm
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: ui_reg_gen=none; ui_reg_sip=none; ui_reg_email=none; ui_reg_net=none; ui_usr_feat=block;
session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1; ui_dom_other=block

type=ivrnodes&account=700&account_ext=&first_name=&last_name=&email=&cell=&mac=* &dialplan
=&pnp=none&type1=all&csv=&csv1=&addacc=Create
```

[Response from the PBX contains an HTML body after creating the IVR account](#)

```
HTTP/1.1 200 Ok
Date: Mon, 23-Mar-2015 19:47:21 GMT
Content-Type: text/html
Cache-Control: no-cache
Cache-Control: no-store
Server: PBX/5.2.5 (CentOS64)
Content-Length: 22806
```

```
<html>
...
</html>
```

Create service flag account

[Send a POST request with the service flag config content in the body](#)

```
POST /dom_acclist.htm HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 137
Cache-Control: max-age=0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/41.0.2272.89 Safari/537.36
Content-Type: application/x-www-form-urlencoded
DNT: 1
Referer: http://mycompany.com/dom_acclist.htm
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: ui_reg_gen=none; ui_reg_sip=none; ui_reg_email=none; ui_reg_net=none; ui_usr_feat=block;
session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1; ui_dom_other=block

type=svflags&account=800&account_ext=&first_name=&last_name=&email=&cell=&mac=*&dialplan=
&pnp=none&type1=all&csv=&csv1=&addacc=Create
```

[Response from the PBX contains an HTML body after creating the service flag account](#)

```
HTTP/1.1 200 Ok
Date: Mon, 23-Mar-2015 19:47:21 GMT
Content-Type: text/html
Cache-Control: no-cache
Cache-Control: no-store
Server: PBX/5.2.5 (CentOS64)
Content-Length: 22806
```

```
<html>
...
</html>
```

Create ACD account

[Send a POST request with the ACD config content in the body](#)

```
POST /dom_acclist.htm HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 137
Cache-Control: max-age=0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/41.0.2272.89 Safari/537.36
Content-Type: application/x-www-form-urlencoded
DNT: 1
Referer: http://mycompany.com/dom_acclist.htm
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: ui_reg_gen=none; ui_reg_sip=none; ui_reg_email=none; ui_reg_net=none; ui_usr_feat=block;
session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1; ui_dom_other=block

type=acds&account=650&account_ext=&first_name=&last_name=&email=&cell=&mac=*&dialplan=&
np=none&type1=all&csv=&csv1=&addacc=Create
```

[Response from the PBX contains an HTML body after creating the ACD account](#)

```
HTTP/1.1 200 Ok
Date: Mon, 23-Mar-2015 19:47:21 GMT
Content-Type: text/html
Cache-Control: no-cache
Cache-Control: no-store
Server: PBX/5.2.5 (CentOS64)
Content-Length: 22806
```

```
<html>
...
</html>
```

Create hunt group account

[Send a POST request with the hunt group config content in the body](#)

```
POST /dom_acclist.htm HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 137
Cache-Control: max-age=0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/41.0.2272.89 Safari/537.36
Content-Type: application/x-www-form-urlencoded
DNT: 1
Referer: http://mycompany.com/dom_acclist.htm
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: ui_reg_gen=none; ui_reg_sip=none; ui_reg_email=none; ui_reg_net=none; ui_usr_feat=block;
session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1; ui_dom_other=block

type=hunts&account=201&account_ext=&first_name=&last_name=&email=&cell=&mac=*&dialplan=&
pnp=none&type1=all&csv=&csv1=&addacc=Create
```

[Response from the PBX contains an HTML body after creating the conferencing account](#)

```
HTTP/1.1 200 Ok
Date: Mon, 23-Mar-2015 19:47:21 GMT
Content-Type: text/html
Cache-Control: no-cache
Cache-Control: no-store
Server: PBX/5.2.5 (CentOS64)
Content-Length: 22806
```

```
<html>
...
</html>
```

Create paging account

[Send a POST request with the paging account config content in the body](#)

```
POST /dom_acclist.htm HTTP/1.1
Host: mycompany.com
Connection: keep-alive
Content-Length: 137
Cache-Control: max-age=0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Origin: http://mycompany.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/41.0.2272.89 Safari/537.36
Content-Type: application/x-www-form-urlencoded
DNT: 1
Referer: http://mycompany.com/dom_acclist.htm
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: ui_reg_gen=none; ui_reg_sip=none; ui_reg_email=none; ui_reg_net=none; ui_usr_feat=block;
session= g7lsrphhrkim1jkvbt88; acct_table#pageNavPos=1; ui_dom_other=block

type=hoots&account=350&account_ext=&first_name=&last_name=&email=&cell=&mac=*&dialplan=&
pnp=none&type1=all&csv=&csv1=&addacc=Create
```

[Response from the PBX contains an HTML body after creating the paging account](#)

```
HTTP/1.1 200 Ok
Date: Mon, 23-Mar-2015 19:47:21 GMT
Content-Type: text/html
Cache-Control: no-cache
Cache-Control: no-store
Server: PBX/5.2.5 (CentOS64)
Content-Length: 22806
```

```
<html>
...
</html>
```