

VOP is configured through a configuration file in XML format.

The configuration file is usually downloaded through the Automated Provisioning System (APS).

The structure of the configuration file is:

(+) parameter available as user <settings>

(*) repeatable parameter

<config>	Configuration
<wizard>	Use a Wizard on start up (not present means no)
+ <license>	License (not present means evaluation mode)
+ <version>	Version when no license and no dongle: nano, assistant, micro, lite, standard (not present means standard)
+ <logo>	Logo name: none, vop, joher or other (not present means vop)
+ <language>	Language: EN, FR, ES, DE, IT, NL, DA, PT, PL, TR, RU (not present means autodetect)
+ <display>	Display (mandatory)
+ <username>	User Name (mandatory)
+ <proxyhost>	Proxy Host (not present means proxy address if present otherwise no proxy)
+ <proxyaddress>	Proxy Address (not present means proxy host address if present otherwise no proxy)
+ <proxyport>	Proxy Port (not present means 5060)
+ <proxydnssrv>	Use DNS SRV to get Proxy address/port (not present means no)
+ <proxytransport>	Proxy Transport: UDP, TCP, TLS (not present means UDP)
+ <proxydnsnaptr>	Use DNS NAPTR to get Proxy transport (not present means no)
+ <proxyusername>	Proxy User Name (not present means user name)
+ <proxypassword>	Proxy Password (not present means no password)
+ <proxyexpires>	Proxy Expires in seconds (not present means remote proxy decide value)
<registertoproxy>	Register to Proxy (not present means yes)
<callthroughproxy>	Call Through Proxy (not present means yes)
+ <proxyping>	Time in seconds between Proxy Ping to track latency (0 means none, not present means 10s)
<reportlatency>	Report Latency value in debug window when proxying is used (not present means no)
<voicemailhost>	Voicemail Host (not present means voicemail address if present otherwise proxy host)
<voicemailaddress>	Voicemail Address (not present means voicemail host address if present otherwise proxy address)
<voicemailport>	Voicemail Port (not present means 5060 if voicemail host or voicemail address is present otherwise proxy port)
<voicemaildnssrv>	Use DNS SRV to get Voicemail address/port (not present means no)
<voicemailtransport>	Voicemail Transport: UDP, TCP, TLS (not present means UDP)
<voicemaildnsnaptr>	Use DNS NAPTR to get Voicemail transport (not present means no)
<voicemailusername>	Voicemail User Name (not present means proxy user name)
<voicemailpassword>	Voicemail Password (not present means proxy password)
<voicemailexpires>	Voicemail Expires in seconds (not present means 3600s)
<presencehost>	Presence Host (not present means presence address if present otherwise proxy host)
<presenceaddress>	Presence Address (not present means presence host address if present otherwise proxy address)
<presenceport>	Presence Port (not present means 5060 if presence host or presence address is present otherwise proxy port)
<presencednssrv>	Use DNS SRV to get Presence address/port (not present means no)
<presencetransport>	Presence Transport: UDP, TCP, TLS (not present means UDP)
<presencednsnaptr>	Use DNS NAPTR to get Presence transport (not present means no)
+ <proxylocktransport>	Lock Proxy Transport, add transport in contact field (no present means yes)
<presenceusername>	Presence User Name (not present means proxy user name)
<presencepassword>	Presence Password (not present means proxy password)
<presenceexpires>	Presence Expires in seconds (not present means 3600s)
+ <presencetype>	Presence Type: none, dialog, presence, dialog-presence. dialog:RFC4235, presence:RFC3856/3863/4480 (default: dialog)
+ <presenceprefix>	Presence Prefix (not present means none)
+ <presencereslist>	Presence Resource List. RFC4662 (not present means none)
+ <presencereslistpop>	Populate local directory from Presence Resource List (not present means no)
+ <presencedetails>	Show Presence calls Details when available (not present means yes)
<presenceignversion>	Ignore RFC4235/4662 Presence Version (not present means no)
<presencednd>	Enable RFC4235 Presence custom DND status (not present means no)
+ <publishpresence>	Publish Presence using SIP PUBLISH. RFC3903 (not present means no)
+ <presencepublevel>	Presence Publication Level: partial, full. partial = available/away/DND, full = partial/ringing/busy. (not present means full)
<subscriptionretry>	Subscription Retry in in seconds (not present means 60s)
<subscriptiondelay>	Subscription Delay in in milliseconds (not present means default)
<subscribevoicemail>	Subscribe to Voicemail events (not present means yes)
<subscribefeature>	Subscribe to Feature events (not present means yes)
<allowsubscribers>	Allow presence Subscribers (not present means yes)
<notifyonhold>	Notify presence subscribers when calls are put On Hold (not present means yes)
<lockpresence>	Lock Presence addition/removal (not present means no)
+ <xsiurl>	Broadsoft XSI URL (not present means none)
+ <xsiusername>	Broadsoft XSI User Name (not present means none)
+ <xsipassword>	Broadsoft XSI Password (not present means none)
+ <xsienterprise>	Broadsoft XSI Enterprise (not present means none)
+ <xsigroup>	Broadsoft XSI Group (not present means none)
+ <xmpphost>	XMPP Host (not present means none)
+ <xmppaddress>	XMPP Address (not present means XMPP host address if present otherwise no XMPP)
+ <xmppport>	XMPP Port (not present means 5222)
+ <xmppdnssrv>	Use DNS SRV to get XMPP address/port (not present means no)
+ <xmppusername>	XMPP User Name (not present means none)

+ <xmpppassword>	XMPP Password (not present means none)
+ <xmppresource>	XMPP Resource (not present means none)
+ <xmpptls>	Use XMPP TLS encryption (not present means no)
+ <xmppkeepalive>	Send XMPP Keep Alive packets (not present means no)
+ <xmpprejectsub>	XMPP Subscription Rejection: none, unknown, external, all (not present means unknown)
+ <xmppchatstate>	XMPP Chat State notification: none, partial, full (not present means full)
+ <xmppphonestatus>	Change XMPP Status note when on the Phone (not present means yes)
+ <xmppmanagecontacts>	Manage XMPP Contacts (not present means yes)
+ <xmppimportpicture>	Import Picture from XMPP contacts (not present means yes)
+ <xmppimportinfo>	Import Information from XMPP contacts (not present means no)
+ <xmppfiletransfer>	Allow XMPP File Transfer (not present means yes)
+ <vopserver>	Voice Operator Panel Server, syntax: host[:port] (not present means no interconnection)
+ <vopusername>	Voice Operator Panel server User Name (not present means user name)
+ <localip>	Local IP to bind to (not present means autodetect)
+ <localport>	Local Port to bind to (not present means 5060)
+ <externalip>	External IP when NAT is used (not present means none)
+ <externalport>	External Port when NAT is used (not present means none)
+ <discoverexternal>	Discover External IP/Port using received/rport from proxy when NAT is used (not present means no)
+ <symmetricsip>	Symmetric SIP, RFC3581 (not present means yes)
+ <rtpportrange>	RTP Port Range, syntax: min-max (not present means 26000-27000)
+ <symmetricrtp>	Symmetric RTP, RFC4961 (not present means yes)
+ <secure RTP>	Secure RTP: disabled, supported, preferred, mandatory (not present means supported)
* <interface>	Set up Interface, syntax: "name,ip,mask,ifmetric[,gateway,gwmetric[,dns1[,dns2]]]" IPs only (not present means no)
* <route>	Add Route to routing table, syntax: "destination,mask,nexthop,metric" IPs only (not present means none)
+ <compactheaders>	Use SIP Compact Headers (not present means no)
+ <sip tos>	SIP Type Of Service, DSCP+ECN (not present means 104)
+ <rtp tos>	RTP Type Of Service, DSCP+ECN (not present means 184)
+ <tlscertificate>	TLS Certificate file (not present means default)
<tlspemcertificate>	TLS inline PEM Certificate (not present means default)
+ <sip tls version>	SIP TLS Version: default, tls1, tls11, tls12, all (not present means all)
+ <xmpp tls version>	XMPP TLS Version: default, tls1, tls11, tls12, all (not present means all)
+ <http tls version>	HTTP TLS Version: default, ssl3, tls1, tls11, tls12, all (not present means all)
+ <operator>	Operator hard phone URI or phone number (not present means softphone mode)
+ <autocalloperator>	Auto Call Operator on incoming calls (not present means yes)
+ <operatorfeedback>	Operator audio Feedback: none, tones, silence, echo (not present means tones)
+ <autohangupoperator>	Time in seconds to Auto Hangup Operator if no active calls (not present means no)
+ <hangupoperatorcall>	Hang Up Operator current Call when operator hangs up (not present means yes)
+ <incallingring>	Play the Ringing sound when In a Call (not present means yes)
+ <playtones>	Play outgoing calls Tones on computer (not present means no)
+ <operatorintercom>	Call hard phone in Intercom mode on user action (not present means false)
+ <bridge>	Bridge mode (not present means no)
<disableoperator>	Disable Operator hard phone mode (not present means no)
<disablesoftphone>	Disable Softphone mode (not present means no)
+ <voicemail>	Voicemail URI or phone number (not present means none)
+ <intercept>	Intercept code used to pick up a call, '\$' replaced by phone number (not present means none)
<interceptring>	Intercept only Ringing calls, not established calls (not present means no)
+ <park>	Park code used to park a call, '\$' replaced by phone number (not present means none)
+ <intercom>	Intercom code used to call in intercom mode, '\$' replaced by phone number (not present means none)
+ <userpresence>	User Presence: none, xmpp-skype, xmpp, skype (not present means xmpp-skype)
+ <userpresencebold>	Show User Presence in Bold in tree and list directory layouts (not present means yes)
+ <userpresenceicon>	Show User Presence Icon in tree directory layout (not present means no)
+ <usermessaging>	User Messaging: auto, xmpp, skype, phone (not present means auto)
+ <phonemessaging>	Phone Messaging: none, phone, mobile, phone-mobile, all (not present means phone-mobile)
+ <playmsgreceived>	Play Sound on Message Received (not present means yes)
+ <soundmsgreceived>	Set the Sound wav file for Message Received (not present means default)
+ <minimize newmsg>	Minimize New Message window (not present means yes)
+ <directx>	Use DirectX for sound (not present means yes)
+ <dxfullduplex>	Use DirectX Full Duplex mode (not present means yes)
+ <samplingrate>	Sampling Rate in hertz (not present means 48000Hz)
+ <inputdevice>	Input Device number used in softphone mode (not present means default)
+ <inputbuffersize>	Input Buffers Size in milliseconds (not present means 20ms)
+ <inputbuffers>	Number of Input Buffers (not present means 10)
+ <outputdevice>	Output Device number used in softphone mode (not present means default)
+ <outputbuffersize>	Output Buffers Size in milliseconds (not present means 20ms)
+ <outputbuffers>	Number of Output Buffers (not present means 4)
+ <speakerdevice>	Speaker Device number used in softphone mode (not present means default)
+ <noisereduction>	Enable Noise Reduction (not present means yes)
+ <echocanceller>	Enable adaptive Echo Canceller (not present means no)
+ <usbheadset>	USB Headset/Handset: disabled, auto, device-name (not present means auto)
+ <usblight>	USB Light/Ringer: disabled, auto, device-name (not present means auto)
+ <usbmode>	USB Light/Ringer Mode: receptionist, receptionist-nocallstatus, agent, agent-noringingstatus (not present receptionist)
+ <usbbrightness>	USB Light Brightness (not present means 5)
+ <usbvolume>	USB Ringer Volume (not present means 5)
+ <usbexclusive>	Use USB devices in exclusive mode (not present means no)
<disableeffects>	Disable voice Effects (not present means no)

<disablerecording>	Disable Recording (not present means no)
+ <recordingsfolder>	Recordings Folder (not present means default)
+ <recordcodec>	Record Codec: g711u, g711a, pcm (not present means g711u)
+ <recordsingle>	Record every calls to one Single file (not present means yes)
<disableg722>	Disable G.722 codec.
<disableg729>	Disable G.729 codec.
+ <preferredcodec>	Preferred Codec: g722, g711u, g711a, g729 (not present means g722)
+ <forcedcodec>	Forced Codec: none, g722, g711u, g711a, g729 (not present means none)
+ <dtmfoutband>	DTMF Out-band, RFC2833 (not present means yes)
<dtmfduration>	DTMF Duration in milliseconds (not present means 100ms)
<dtmfdelay>	DTMF inter-digit Delay in milliseconds (not present means 80ms)
+ <rtppackettime>	RTP Packet Time in milliseconds (not present means 20ms)
+ <rtpqueuetime>	RTP Queue Time in milliseconds (not present means 100ms)
+ <queueblindtransfer>	Queue Blind Transfer when the target is busy (not present means yes)
+ <queuetransferdelay>	Queue Transfer Delay after the target becomes available in seconds (not present means 5s)
+ <releasetransfer>	Release Transfer, transfer calls using REFER, RFC3515 (not present means yes)
<refertoremtouri>	Refer to call Remote URI instead of Contact (not present means no)
<referremoveprefix>	Prefix to Remove before Referring to a destination (not present means none)
<dndcode>	Do Not Disturb Code (not present means "480 Temporarily Unavailable")
<rejectcode>	Reject Code (not present means "480 Temporarily Unavailable")
<showdebug>	Show Debug window (not present means no)
<debuglevel>	Debug Level, 0 to 5 (not present means 0)
<debugfile>	Debug File used to log debug information, '\$' replaced by date/time (not present means none)
<syslogserver>	Syslog Server to log to, syntax: host[:port] (not present means none)
<syslogfacility>	Syslog Facility used (not present means local0)
<sysloginfo>	Syslog Information sent: debug, calls (not present means debug)
<minerror>	Minimum Error count before trying to restart if no active calls (not present means 2)
<maxerror>	Maximum Error count before forcing restart (not present means 4)
+ <bringtofront>	Bring To Front on incoming calls (not present means no)
+ <forwardingtarget>	Forwarding Target URI or phone number (not present means reject instead of forward)
+ <maxincomingcalls>	Maximum Incoming Calls, extra calls are forwarded or rejected (not present means unlimited)
<maxoutgoingcalls>	Maximum Outgoing Calls (not present means unlimited)
<maxtotalcalls>	Maximum Total Calls (not present means unlimited)
+ <rejectcalls>	Reject incoming Calls: none, anonymous, unknown, external, all (not present means none)
+ <showrejectedcalls>	Show forwarded or Rejected incoming Calls (not present means yes)
+ <blacklist>	Callers blacklist (comma separated, not present means none)
+ <autohold>	Auto answer incoming calls and put them on Hold, in seconds (not present means no)
+ <autoforward>	Auto Forward or reject incoming calls, in seconds (not present means no)
+ <autopickup>	Auto Pick Up incoming calls (not present means no)
+ <alertpriority>	Alert field for Priority call (not present means "Bellcore-dr3")
<calllayout>	Default Call Layout: list, table (not present means table)
+ <showfromto>	Show From and To fields (not present means yes)
+ <onholdduration>	Show On Hold Duration (not present means yes)
+ <onholdwarntime>	On Hold visible Warn Time in seconds (not present means 120s)
<onholdmintime>	Minimum Time On Hold to be accounted in call log and statistics (not present means 5s)
+ <showlocalcalls>	Show Calls from/to Local users in bold (not present means yes)
+ <searchfromfield>	Search directories for From Field of incoming calls (not present means no)
+ <searchtofield>	Search directories for To Field of incoming calls (not present means no)
+ <customtofield>	Custom text shown in To Field of incoming calls (not present means none)
+ <anonymouscalls>	Anonymous outgoing Calls: none, unknown, external, all (not present means none)
+ <internationalprefix>	International Prefix number (not present means autodetect)
+ <localprefix>	Local Prefix number (not present means autodetect)
+ <countrycode>	Country Code number (not present means autodetect)
+ <dragndrop>	Allow Drag and Drop (not present means yes)
+ <visibledrag>	Show item while dragging (not present means yes)
+ <samegroupdrop>	Allow Drop within Same Group (not present means yes)
+ <internalringing>	Internal speaker Ringing (not present means no)
+ <playringing>	Play a Ringing sound (not present means yes)
+ <soundringing>	Set the Sound wav file for Ringing (empty means none, not present means default)
+ <incallringingtone>	Play a Ringing Tone when In a Call (not present means yes)
+ <ringingtonevolume>	In call Ringing Tone Volume (not present means 5)
+ <ringingrepeat>	Set the Ringing Repeat time in seconds (not present means 6s)
+ <soundmoh>	Set the Sound wav file for Music On Hold (not present means managed by proxy)
<toneringback>	Tone for Ringback, syntax: Hz@dB[,Hz@dB[,...]]:len(on/off/[mix][,...]) (not present means "440@-19,480@-19;*(2/4)")
<toneringing>	Tone for Ringing, syntax: Hz@dB[,Hz@dB[,...]]:len(on/off/[mix][,...]) (not present means "600@-25;.2(.05/.05)")
<tonebusy>	Tone for Busy, syntax: Hz@dB[,Hz@dB[,...]]:len(on/off/[mix][,...]) (not present means "480@-19,620@-19;4(.5/.5)")
<tonedial>	Tone for Dial, syntax: Hz@dB[,Hz@dB[,...]]:len(on/off/[mix][,...]) (not present means "350@-19,440@-19;*(0/0)")
+ <autoaway>	Auto switch to away status after inactivity period, in seconds (not present means no)
<windowtitle>	Window Title, "\$u" replaced by username, "\$d" by display (not present means default)
<windowarea>	Window Area, syntax: x,y,width,height (not present means default)
<windowfeatures>	Window Features, syntax: [move][,resize][,minimize][,maximize][,close] (not present move,resize,minimize,maximize,close)
+ <skin>	Skin color: blue,silver,black (not present means blue)
+ <statusbar>	Show Status Bar (not present means yes)
<statusbaritems>	Status Bar Items: (s)tatus,(l)atency,(v)oiceemail,(m)issed,(r)ecord,(i)nput,(o)utput,(k)eypad,(s)tatistics,(c)ompact
<keypadletters>	Show Keypad Letters (not present means yes)

<directoriesfolder>	Path to the Folder which contains the Directories (no present means default)
<lockdirectories>	Lock Directories to prevent modifications (not present means no)
<directorylayout>	Directory Layout: tree, list, table (not present means table)
<directorytoolbars>	Directory Toolbars: none, search, all (not present means all)
<directorysearch>	Directory Search type: lastname,firstname,word,company,office,department,title,phone,mobile,home,email,skype (lastname)
<directoryallowdup>	Allow Duplicate users in Directories, when not allowed duplicate users are merged when possible (not present means no)
+ <desktopalerts>	Show Desktop Alerts (not present means yes)
+ <soundalert>	Set the Sound wav file for Alert (not present means default)
+ <alertduration>	Duration of the Alert window in seconds (not present means 5s)
+ <trayicon>	Show Tray Icon (not present means yes)
+ <showintaskbar>	Show In Task Bar when minimized (not present means yes)
+ <alwaysontop>	Always On Top (not present means no)
+ <menuonselect>	Show Menu On item Select: no, right, bottom (not present means no)
+ <directoryhovering>	Directory mouse Hovering: no, open, opensingle, openclose (not present means no)
+ <fonttype>	Set Font Type (not present means Sergoe UI)
+ <fontsize>	Set Font Size (not present means 9)
+ <locklayout>	Lock windows Layout (not present means no)
<priority>	Application Priority: belownormal, normal, abovenormal, high, realtime (not present means normal)
+ <confirmexit>	Confirm application Exit when active calls (not present means yes)
<exitdelay>	Exit Delay in seconds while disconnecting calls and releasing transferred calls (not present means 10s)
+ <savestate>	Save application State on exit (not present means yes)
<singleinstance>	Single application Instance only (not present means yes)
+ <runatstartup>	Run At windows Startup (not present means no)
+ <checkupdates>	Check regularly for Updates (not present means yes)
<httpusername>	Username for HTTP requests (not present means proxy username)
<httppassword>	Password for HTTP requests (not present means proxy password)
<onstart>	On Start URL request, "\$u" replaced by username, "\$p" by proxy password, "\$o" by operator (not present means none)
<onexit>	On Exit URL request, "\$u" replaced by username, "\$p" by proxy password, "\$o" by operator (not present means none)
* <webmenu>	Web Menu, syntax: ioupmhves.le,icon,text[text2],show,url "\$u" username, "\$d" display, "\$a" address (not present means none)
+ <webcall>	Use Web request to Call (no present means no)
+ <webcallurl>	Web Call URL, "\$u" replaced by username, "\$d" by display, "\$a" by address (not present means none)
+ <webcallmethod>	Web Call Method: get, post (not present means get)
+ <webcallusername>	Web Call Username. (not present means none)
+ <webcallpassword>	Web Call Password. (not present means none)
+ <webcallunregister>	Unregister before Web Call (not present means no)
+ <callogelsewhere>	Log incoming calls picked-up Elsewhere (not present means no)
+ <callogoutgoing>	Log Outgoing calls (not present means yes)
<callogmax>	Maximum Calls to show in Log (not present means 2000)
+ <hotkeycall>	Enable Hot Key for Call, Windows-C (not present means yes)
+ <hotkeycallprefix>	Hot Key Call phone Prefix (not present means none)
+ <keyeditcaller>	Key shortcut for Edit Caller (not present means F1)
+ <keyedit>	Key shortcut for Edit (not present means F2)
+ <keysearch>	Key shortcut for Search (not present means F3)
+ <keydial>	Key shortcut for Dial (not present means F4)
+ <keycrm>	Key shortcut for CRM (not present means F5)
+ <keyweb>	Key shortcut for Web (not present means F6)
+ <keyemail>	Key shortcut for E-mail (not present means F7)
+ <keynote>	Key shortcut for Note (not present means F8)
+ <keyactivate>	Key shortcut for Activate (not present means Insert)
+ <keyhangup>	Key shortcut for Hang Up (not present means Delete)
+ <keytransfer>	Key shortcut for Transfer (not present means Add)
+ <keyswitch>	Key shortcut for Switch (not present means Clear)
+ <crm>	CRM URL, "\$u" replaced by call username, "\$d" by call display, "\$a" by call address (not present means none)
+ <crmmethod>	CRM URL HTTP Method: get, post (not present means get)
+ <crmwindow>	Display CRM in a dedicated window (not present means yes)
+ <crmanonymous>	Enable CRM for Anonymous incoming calls (not present means no)
+ <crminternal>	Enable CRM for Internal calls (not present means yes)
+ <crmoutgoing>	Enable CRM for Outgoing calls (not present means no)
+ <crmdoubleclick>	Load CRM URL on call Double Click (not present means no)
+ <crmpickup>	Load CRM URL on call Pick Up (not present means no)
+ <crmringing>	Load CRM URL on incoming Ringing call (not present means no)
+ <crmrejected>	Load CRM URL on incoming Rejected call (not present means no)
+ <crmonstart>	Load CRM URL on Start (not present means no)
+ <mailinternal>	Use Internal Mail writer by default (not present means yes)
+ <mailoffice365>	User Office365 to send e-mails (not present means yes)
+ <mailserver>	Mail Server, syntax: host[:port] (not present means none)
+ <mailusername>	Mail Username (not present means none)
+ <mailpassword>	Mail Password (not present means none)
+ <mailssl>	Use SSL (STARTTLS) with Mail server (not present means no)
+ <mailfrom>	Mail From address (not present means operator@voiceoperatorpanel.com)
+ <mailbcc>	Mail Blind Carbon Copy address (not present means none)
+ <mailsubject>	Mail Subject, '\$' replaced by caller ID (not present means default)
+ <mailtemplate>	Mail Template, '\$' replaced by caller ID (not present means none)
+ <webinternal>	Use Internal Web browser by default (not present means yes)
<webhome>	Internal Web browser Home page URL (not present means none)

<webtitle>	Internal Web browser Title (not present means default)
<webcompatibility>	Internal Web browser compatibility (not present means autodetect)
+ <websettings>	Online Web Settings URL, "\$u" replaced by username, "\$p" by proxy password, "\$o" by operator (not present means none)
<websettingstitle>	Online Web Settings Title (not present means default)+ <calltoprefix> Callto Prefix number (not present means none)
+ <ldapserver>	LDAP Server, "domain" means default domain server (not present means no LDAP support)
+ <ldappauth>	LDAP Authentication: anonymous, simple, ntlm (not present means ntlm)
+ <ldapusername>	LDAP Username (not present means default)
+ <ldappassword>	LDAP Password (not present means default)
+ <ldapusers>	LDAP Users filter (not present means "(&(objectCategory=person)(objectClass=user))", empty means no users)
+ <ldapcontacts>	LDAP Contacts filter (not present means "(&(objectCategory=person)(objectClass=contact))", empty means no contacts)
+ <ldappicture>	LDAP Picture field name (not present means none)
+ <ldapnote>	LDAP Note field name (not present means none)
+ <ldaplocalphone>	LDAP Local Phone field name (not present means none)
+ <ldappresence>	LDAP Presence field name (not present means none)
+ <ldapuserspresence>	Enable Presence for all LDAP Users (not present means no)
+ <ldapphoneprefix>	LDAP Phone Prefix (not present means none)
+ <ldapvoicemailprefix>	LDAP users Voicemail Prefix (not present means no voicemail)
+ <ldapxmpp>	LDAP XMPP address field name (not present means none)
+ <ldapcalendar>	LDAP Calendar address field name (not present means none)
+ <ldapondemand>	LDAP search On Demand (not present means no)
+ <ldapmaxtime>	LDAP Maximum search Time in seconds (not present means unlimited)
+ <ldapmaxusers>	LDAP Maximum Users (not present means unlimited)
+ <ldaptimeout>	LDAP Timeout in seconds (not present means 30s)
+ <ldappagesize>	LDAP Page Size (not present means 1000)
+ <office365>	Use Office365 (not present means yes)
+ <outlookcontacts>	Load Outlook Contacts (not present means yes)
+ <outlooksynconstart>	Synchronize Outlook contacts On Start (not present means no)
+ <outlookfolder>	Outlook Folder to load contacts from (not present means default folder)
+ <outlookpictures>	Load Outlook Pictures with contacts (not present means yes)
+ <outlookemails>	Load Outlook E-mails with contacts (not present means yes)
+* <outlookcompany>	Set Outlook contacts Company auto imported in local directory, wildcards supported (not present means none)
+ <outlookpresence>	Enable Presence for local outlook contacts (not present means no)
+ <outlookphoneprefix>	Outlook Phone Prefix (not present means none)
+ <mgcpserver>	MGCP Server for presence, syntax: host[:port] (not present means none)
+* <mgcpendpoint>	MGCP Endpoint for presence (not present means none)
+* <directoryurl>	Directory URL to load directory from, "\$u" replaced by username, "\$p" by proxy password (not present means none)
+* <directory>	Directory
<local>	Directory is Local (must always be the first tag, not present means no)
<name>	Directory Name (mandatory)
<phone>	Directory Phone number (not present means none)
<sorted>	Directory is Sorted (not present means yes)
<layout>	Directory Layout: tree, list, table (not present means default directory layout)
+* <user>	User
<name>	User Name (mandatory)
<alert>	User Alert: phone-available/ringing/busy/dnd, xmpp-online/offline, sound (not present means none)
<company>	User Company (not present means none)
<office>	User Office (not present means none)
<department>	User Department (not present means none)
<title>	User Title (not present means none)
<picture>	User Picture URI or local path (not present means none)
+* <info>	Information
<bold/>	Show in Bold (not present means no)
<italic/>	Show in Italic (not present means no)
+* <contact>	Contact (mandatory)
<default>	Default contact (not present means no)
<presence>	Presence monitoring (not present means no)
<presenceid>	Presence ID (not present means phone number)
<name>	Contact Name (not present means type name)
<type>	Contact Type: phone, mobile, home, voicemail, email, xmpp, skype, web (not present means phone)
<uri>	Contact URI or phone number (mandatory)
<settings>	List of user Settings permitted (not present means none)
+* <header>	Header text, use ' ' separator char for multiple languages
+* <parameter/>	Any parameter above available as user settings (+)

The XML header and closing tags are omitted but must be present in the configuration file.

All these parameters are here to give you a full control over the application but they have default values that will fit most of your needs.

Only two parameters are required to make a valid configuration: <display> and <username>.

If VOP is registering to a proxy two more parameters are required: <proxyhost> or <proxyaddress> or both, and <proxypassword>.

If you want to use a hard phone one more parameter is required: <operator>

Boolean parameters must include a value: "true/false" or "yes/no" or "on/off". Boolean short tags (ie: <tag/>) are ignored if not expressly permitted.

By default VOP is configured to operate in softphone mode. (See the Operating Mode section for a detailed description of each mode)
If you use the <operator> parameter by specifying a hard phone number, VOP will operate in hardphone mode.
If you set the <bridge> parameter to true, VOP will operate in hardphone bridge mode.

The <settings> section contains all the parameters you want to permit the user to change within the application.
Most, but not all, parameters can be used as user settings. The parameters available as user settings have a (+) before their name.

By choosing the order of these parameters within the settings section, you design the settings window of the application.
You can use the <header> tag in the <settings> section to add titles.

The parameters modified by the user will be stored in the settings file named "settings.xml" located in the application folder.

VOP is shipped with a configuration file named VOP.xml which contains the full list of parameters with their descriptions and a suggested <settings> section, use this file to start your own configuration.