

# Cisco VPN 3000 Concentrator Vendor-Specific Attributes 2.0 - 4.1: User and Group Attributes

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## Introduction

This document displays the Cisco VPN 3000 Concentrator vendor-specific user and group attributes for versions 2.0 through 4.1.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

The information in this document is based on the Cisco VPN Concentrator 3000 series versions 2.0 through 4.1. .

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

### Conventions

For more information on document conventions, refer to the [Cisco Technical Tips Conventions](#).

## Vendor-specific Attributes

- Five asterisks (\*\*\*\*\*) next to an attribute denotes that they are specific to version 4.1.
- Four asterisks (\*\*\*\*) next to an attribute denotes that they are specific to version 4.0.
- Three asterisks (\*\*\*) next to an attribute denotes that they are specific to version 3.6.
- Two asterisks (\*\*) next to an attribute denotes that they are specific to version 3.5. No asterisks indicates versions 2.0 through 3.0.
- An asterisk (\*) next to an attribute means that the attribute is not inherited.
- **Args** - Passed to the Authentication subsystem.
- **Group** - Group-based attribute.
- **User** - User-based attribute.

Category	Attribute	Args	Group	User	RADIUS Attribute	Vendor Attribute	MIB ID	Type	Values	Base Value	Base Location
General ** Identity	User/Group Name*	N	Y	Y	1		1	String		N/A	User DB
General ** Identity	User/Group Password*	N	N	Y	2		2	String	Valid group name	N/A	User DB
General ** Identity	Group Name	N	N	Y	25		25	String	Valid group name	N/A	User DB
General	Access Hours	N	Y	Y	26	1	4097	String	Name of the Access Hours	(None - Implying no restrictions)	User DB
General	Simultaneous Logins	N	Y	Y	26	2	4098	Integer	1-n (n=?)	1	User DB
General	Minimum Password Length	N	Y	N	26	3	4099	Integer	1-n (n=?)	8	User DB ** Only used internally by the VPN 3000 concentrator - do not send this from RADIUS
General	Allow Alphabetic-Only Passwords	N	Y	N	26	4	4100	Boolean	0 (False), 1 (True),	0 (False)	User DB ** Only used internally by the VPN 3000 concentrator - do not send this from RADIUS
General	Idle Timeout	N	Y	Y	28		28	Integer	1-n (n = ?) in minutes. 0 means no idle timeout.	30	User DB
General	Filter	N	Y	Y	11		11	String	Name of the Filter	(None - implying to filter)	User DB
General	Primary DNS	N	Y	N	26	5	4101	IP Address		(None)	User DB
Category	Attribute	Args	Group	User	RADIUS Attribute	Vendor Attribute	MIB ID	Type	Values	Base Value	Base Location

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General	Secondary DNS	N	Y	N	26	6	4102	IP Address		(None)	User DB
General	Primary WINS	N	Y	N	26	7	4103	IP Address		(None)	User DB
General	Secondary WINS	N	Y	N	26	8	4104	IP Address		(None)	User DB
General	SEP Card Assignment	N	Y	Y	26	9	4105	Bitmap	1 = Card 1, 2 = Card 2, 4 = Card 3, 8 = Card 4	15 (All)	User DB
General	Priority on SEP	N	Y	N	26	10	4106	Integer	1-5	1	User DB
General	Tunneling Protocols	N	Y	Y	26	11	4107	Bitmap	1 = PPTP, 2 = L2TP, 4 = IPSec, 8 = L2TP/IPSec  ** 8 and 4 are mutually exclusive, (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 are legal values)	7 (All)	User DB
General	IP Address	N	N	Y	8		8	IP Address		(None)	User DB
General	Subnet Mask	N	N	Y	9		9	IP Address		(None)	User DB
General	Maximum Connect Time	N	Y	Y	27		27	Integer	1-n (n = ?) in minutes, 0 means no maximum connect time	0	User DB
General	Default Route	N	Y	N	22		22	IP Address		(None)	User DB
** General	** Strip Realm	N	Y	N	26	135	?	Boolean	0 (False), 1 (True)	(None)	User DB
** General	**** DHCP Network Scope	N	Y	N	26	61	?	IP Address	N/A	N/A	?
<b>Category</b>	<b>Attribute</b>	<b>Args</b>	<b>Group</b>	<b>User</b>	<b>RADIUS Attribute</b>	<b>Vendor Attribute</b>	<b>MIB ID</b>	<b>Type</b>	<b>Values</b>	<b>Base Value</b>	<b>Base Location</b>
IPSec	Security Association (SA)	N	Y	Y	26	12	4108	String	Name of the Security Association	(None - implying no SA)	User DB

IPSec	Authentication	N	Y	N	26	13	4109	Integer	0 (None), 1 (RADIUS), 2 (LDAP) [**** LDAP not available from version 4.0], 3 (NT Domain), 4 (SDI), 5 (Internal) ** 6 (RADIUS with Expiry), **** 7 (Kerberos)	5 (Internal)	User DB
IPSec	**** Authorization Type	N	Y	N	26	65	?	Integer	0 (None), 1 (Radius), 2 (LDAP)	0 (None)	?
IPSec	**** Authorization Required	N	Y	N	26	66	?	Boolean	0 (False), 1 (True)	0 (False)	?
IPSec	**** DN Field	N	Y	N	26	67	?	String	CN Otherwise OU, CommonName(CN), Surname(SN), Country(C), Locality(L), State/Province(SP), Organization(O), Organizational Unit(OU), Title(T), Name(N), Given Name(GN), Initials(I), Email Address(EA), Generational Qualifier(GENQ), DN Qualifier(DNQ), Serial Number(SER)	CN Otherwise OU	?
IPSec	** IKE Peer ID Check	N	N/A	N/A	26	40	?	Integer	1 (Required), 2 (If supported by peer certificate), 3 (Do not check)	N/A	N/A
IPSec	** IKE Keepalives	N	N/A	N/A	26	41	?	Boolean	0 (False), 1 (True)	N/A	N/A
IPSec	****Confidence Level (EasyVPN Clients Only)	N	Y	N	26	68	?	Integer	10 - 300 in seconds	N/A	?
IPSec	** Reauthentication on Rekey	N	N/A	N/A	26	42	?	Boolean	0 (False), 1 (True)	0 (False)	N/A
IPSec	** IPComp	N	N/A	N/A	26	39	?	Integer	0 (None), 1 (LZS)	None	N/A
IPSec	Banner	N	Y	N	26	15	4111	String	Up to 256 characters	(None - implying no banner)	User DB
IPSec	Allow Password Storage on Client	N	Y	Y	26	16	4112	Boolean	0 (False), 1 (True)	0 (False)	User DB
PPTP/L2TP	VJ Header Compression	N	Y	Y	13		12	Integer	0 (None), 1 (VJ Compression), 2 (IPX Compression - unused)	1 (VJ Compression)	PPP MIB: alPppIpcpCompType (must be mapped)

PPTP/L2TP	Use Client Specified Address	N	Y	Y	26	17	4113	Boolean	0 (False), 1 (True)	0 (False)	Address MIB: alAddressIpcpEnable
PPTP	Minimal Authentication Protocol	N	Y	Y	26	18	4114	Bitmap	** 1 = PAP, ** 2 = CHAP, 4 = EAP-MD5, 8 = EAP-GTC, 16 = EAP-TLS, ** 32 = MSCHAP, ** 64 = MSCHAP2	102 (All except PAP, EAP-GTC, EAP-TLS)	PPP MIB: alPppPtpAuthentication
L2TP	Minimal Authentication Protocol	N	Y	Y	26	19	4115	Bitmap	** 1 = PAP, ** 2 = CHAP, 4 = EAP-MD5, 8 = EAP-GTC, 16 = EAP-TLS, ** 32 = MSCHAP, ** 64 = MSCHAP2	102 (All except PAP, EAP-GTC, EAP-TLS)	PPP MIB: alPppL2tpAuthentication
PPTP	Encryption	N	Y	N	26	20	4116	Bitmap	1 = Encryption Required, 2 = 40-bit, 4 = 128-bit, 8 = Stateless Required ** (Valid values: 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15)  <b>Note:</b> These should not be sent by RADIUS since PPTP negotiates this before authenticating; therefore, this is really only a Base Group parameter that should be configured on the concentrator.	6 (40-bit and/or 128-bit)	PPP MIB: alPppPtpEncryption
** PPTP	** MPPC Compression	N	N/A	N/A	26	37	?	Integer	1 (True), 2 (False)	N/A	N/A
** L2TP	** MPPC Compression	N	N/A	N/A	26	38	?	Integer	1 (True), 2 (False)	N/A	N/A
<b>Category</b>	<b>Attribute</b>	<b>Args</b>	<b>Group</b>	<b>User</b>	<b>RADIUS Attribute</b>	<b>Vendor Attribute</b>	<b>MIB ID</b>	<b>Type</b>	<b>Values</b>	<b>Base Value</b>	<b>Base Location</b>
L2TP	Encryption	N	Y	N	26	21	4117	Bitmap	1 = Encryption Required, 2 = 40-bit, 4 = 128-bit, 8 = Stateless Required	6 (40-bit and/or 128-bit)	PPP MIB: alPppL2tpEncryption
Argument	Authentication Server Type*	Y	N	N	26	22	4118	Integer	0 = First Active Server, 1 = RADIUS, 2 = LDAP, 3 = NT, 4 = SDI, 5 = Internal	N/A	N/A

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Argument	Authentication Server Password*	Y	N	N	26	23	4119	String		N/A	N/A
Argument	Request Authenticator Vector*	Y	N	N	26	24	4120	String		N/A	N/A
IPSec	LTL Keepalives	N	Y	N	26	25	4121	Boolean	0 (False), 1 (True)	??	User DB
Argument	IPSec Group Name*	Y	N	N	26	26	4122	String	Specifies the name of the internal group used for creating the IPSec tunnel (needed for CR 1508).	N/A	N/A
IPSec	Split Tunneling	N	Y	N	26	27	4123	String	Specifies the name of the network list that describes the split tunnel inclusion list	N/A	User DB
IPSec	Split Tunneling Policy	N	Y	N	26	55	4123	Integer	0 = Tunnel everything 1 = Split Tunneling - Only tunnel networks in the list 2 = Local LAN Permitted - Tunnel everything but allow local networks in list to bypass	N/A	User DB
IPSec	Default Domain	N	Y	N	26	28	4124	String	Specifies the single default domain name to send to the client (up to 128 characters)	(None)	User DB
IPSec	Tunnel Type	N	Y	N	26	30	4126	Integer	1 (LAN to LAN), 2 (Remote Access)	2 (Remote Access)	User DB
IPSec	Mode Configuration	N	Y	N	26	31	4127	Boolean	0 (False), 1 (True)	1 (True)	User DB
<b>Category</b>	<b>Attribute</b>	<b>Args</b>	<b>Group</b>	<b>User</b>	<b>RADIUS Attribute</b>	<b>Vendor Attribute</b>	<b>MIB ID</b>	<b>Type</b>	<b>Value</b>	<b>Base Value</b>	<b>Base Location</b>
Argument	Authentication Server Priority*	Y	N	N	26	32	4128	Integer	Non-zero value specifies selection of an authentication server based on the passed priority number	N/A	N/A
IPSec	Group Lock of User	N	Y	N	26	33	4129	Boolean	0 (False), 1 (True)	1 (True)	User DB
IPSec	IPSec over UDP (for NAT)	N	Y	N	26	34	4130	Boolean	0 (False), 1 (True)	0 (False)	User DB
IPSec	UPP Port Number for IPSec	N	Y	N	26	35	4131	Integer	4001-49,151	10,000	User DB
Partitioning	Primary DHCP	N	Y	N	26	128	4224	IP Address	Valid IP Address	N/A	User DB

Partitioning	Secondary DHCP	N	Y	N	26	129	4225	IP Address	Valid IP Address	N/A	User DB
Partitioning	Premise Router	N	Y	N	26	131	4226	IP Address	Valid IP Address	N/A	User DB
Partitioning	Partition Max Sessions	N	Y	N	26	132	4227	Integer		N/A	User DB
Partitioning	Mobile IP Key	N	Y	N	26	133	4228	String	Key for the mobile IP connection to the premise router (16 bytes fixed)	N/A	User DB
Partitioning	Mobile IP Address	N	Y	N	26	134	4229	IP Address	IP Address for the mobile IP connection to the premise router	N/A	User DB
Category	Attribute	Args	Group	User	RADIUS Attribute	Vendor Attribute	MIB ID	Type	Value	Base Value	Base Location
** Mode Config	** Banner	Y	N	N	26	15	?	String	Up to 255 characters	None	N/A
** Mode Config	** Banner (Part 2)	N	Y	N	26	36	?	String	Up to 255 characters	?	?
** Mode Config	** Allow Password Storage on Client	N	Y	N	26	16	?	Boolean	0 (False), 1 (True)	0 (False)	?
** Mode Config	Split Tunneling Policy	N	Y	N	26	55	?	Integer	0 (Tunneling everything), 1 (Split Tunneling - only tunnel networks in the list), 2 (Local LAN Permitted - tunnel everything but allow local networks in the list to bypass)	?	?
** Mode Config	** Split Tunneling Network List	Y	N	N	26	27	?	String	Specifies the name of the network list that describes the split tunnel inclusion list	None	N/A
** Mode Config	** Default Domain Name	N	Y	N	26	28	?	String	Specifies the single default domain name to send to the client (up to 128 characters)	?	?
** Mode Config	** IPSec over UDP (for NAT)	N	Y	N	26	34	?	Boolean	0 (False), 1 (True)	0 (False)	?
** Mode Config	** IPSec over UDP Port	N	Y	N	26	35	?	Integer	4001 - 49151	10000	?

** Mode Config	** IPSec Backup Server Enabled	N	Y	N	26	59	?	Integer	1 (Client Configured), 2 (Disable and Clear), 3 (Use Backup IPSec Server List)	?	?
** Mode Config	** IPSec Backup Server List	N	Y	N	26	60	?	String	Valid String	none	?
Category	Attribute	Args	Group	User	RADIUS Attribute	Vendor Attribute	MIB ID	Type	Value	Base Value	Base Location
** Client FW	** Required Client Firewall Vendor Code	Y	N	N	26	45	?	Integer	0-65535 (Mappings defined in <a href="#">User Management Documentation</a> )	?	?
** Client FW	** Required Client Firewall Product Code	N	Y	N	26	46	?	Bitmap	0 to ((2**32) - 1) (Mappings defined in <a href="#">User Management Documentation</a> )	?	?
** Client FW	** Client Firewall Optional	N	Y	N	26	58	?	Boolean	0 (False, for example, required), 1 (True, for example, optional)	0 (False)	?
** Client FW	** Required Client Firewall Description	N	Y	N	26	47	?	String	Describes the required firewall when codes are selected outside of pull-down menu	?	?
** Client FW	** Required Client Firewall Capability	Y	N	N	26	56	?	Bitmap	0 (None), 1 (AYT), 2 (CPP), 4 (Policy from server)	?	?
** Client FW	** Client Firewall Filter Name	N	Y	N	26	57	?	String	Specifies the name of the filter to be pushed to the client as a firewall policy (when CPP is selected)	?	?
Category	Attribute	Args	Group	User	RADIUS Attribute	Vendor Attribute	MIB ID	Type	Value	Base Value	Base Location
** HW Client	** Require Interactive Hardware Client Authentication	Y	N	N	26	48	?	Boolean	0 (False), 1 (True)	?	?
** HW Client	** Require Individual User Authentication	N	Y	N	26	49	?	Boolean	0 (False), 1 (True)	?	?
** HW Client	** User Idle Timeout	N	Y	N	26	50	?	Integer	Minutes	30	?
** HW Client	** Cisco IP Phone Bypass	N	Y	N	26	51	?	Boolean	0 (False), 1 (True)	?	?
HW Client	**** LEAP Bypass	N	Y	N	26	75	?	Boolean	0 (False), 1 (True)	0 (False)	?
Category	Attribute	Args	Group	User	RADIUS Attribute	Vendor Attribute	MIB ID	Type	Value	Base Value	Base Location

Partitioning	Mobile IP Security Parameter Index (SPI)	N	Y	N	26	135	4230	String	SPI for the mobile IP connection to the premise router	N/A	User DB
Partitioning	Strip Realm	N	Y	N	26	136	4231	Boolean	0 (False), 1 (True)	N/A	User DB
Partitioning	Group ID	N	Y	N	26	137	4232	Integer		N/A	User DB
***IPSec	Secondary Domain List	N	Y	N	26	29	4125	String	Specifies the list of secondary domain names to send to the client (up to 256 characters)	(None)	User DB
***PPTP/L2TP	Push configuration policy to MS style clients	N	Y	N	26	62	4158	Boolean	0 (False), 1 (True)	0 (False)	User DB
***PPTP/L2TP	Client Subnet Mask	N	Y	N	26	63	4159	IP Address	Valid string	N/A	User DB
***IPSec	Network Extension Mode Limiting	N	Y	N	26	64	4160	Boolean	0 (False), 1 (True)	0 (False)	User DB
WebVPN	*****WebVPN-Content-Filter-Parameters	N	Y	N	26	69	4165	Bitmap	1 (Java ActiveX), 2 (Scripts), 4 (Image), 8 (Cookies)	N/A	User DB
WebVPN	*****WebVPN-Enable-functions	N	Y	N	26	70	4166	Bitmap	1 (URLs), 2 (File Access), 4 (Server Entry), 8 (Server Browsing), 16 (Web Email), 32 (Port Forwarding), 64 (MAPI Proxy), 128 (ACL Apply), 256 (Citrix Support)	N/A	User DB
WebVPN	*****WebVPN-Exchange-Server-Address	N	Y	N	26	74	4170	String	Valid String	Null	User DB
IPSec	*****Client-Type-Version-Limiting	N	Y	N	26	77	4173	String	Valid String	Null	User DB
WebVPN	*****WebVPN-ExchangeServer-NETBIOS-Name	N	Y	N	26	78	4174	String	Valid String	Null	User DB
WebVPN	*****Port-Forwarding-Name	N	Y	N	26	79	4175	String	Valid String	Application Access	User DB

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- [Cisco VPN 3000 Series Concentrators Support Page](#)
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