

WebSocket Parameters

This table describes the required parameters used for WebSocket configurations.

Note

The listed parameters have underscore (_) at the end of the name.

Config.usr1/Parameter DLD Name	Description	Valid/Max Values	Default Value	Name as in PropertiesData.xml
WEBSOCKETADDRESS	This parameter is used to set the server address. The address should be either a valid IP address or host name. The local host listen IP address (or host name).	Alphanumeric, 200	dev-poscloud.vficloud.net	address
WEBSOCKETKEEPALIVEENABLED	This parameter is used to enable or disable sending of keep-alive messages on WebSocket.	<ul style="list-style-type: none"> • 0 - Disabled • 1 - Enabled 	1	so_keepalive
WEBSOCKETKEEPALIVECNT	This parameter sets the maximum number of keepalive probes, TCP should send before dropping the connection.	Numeric, 4	5	so_keepalive_keepcnt
WEBSOCKETKEEPALIVEIDLE	This parameter sets the time (in seconds) the connection needs to remain idle before TCP starts sending keepalive probes.	Numeric, 4	45	so_keepalive_keepidle
WEBSOCKETKEEPALIVEINTVL	This parameter sets the duration (in seconds) between two successive keepalive re-transmissions, if acknowledgement to the previous keepalive transmission is not received.	Numeric, 4	1	so_keepalive_keepintvl

Config.usr1/Parameter DLD Name	Description	Valid/Max Values	Default Value	Name as in PropertiesData.xml
WEBSOCKETPINGINTERVAL_1	This parameter is used to set the time interval for sending a WebSocket ping message to remote peer in every x seconds. If this parameter is set to 0, then no ping message will be sent. In SCA, the default time interval is set to 45 seconds.	Numeric, 4. Value ranges (in seconds): 0 to 3600	45 seconds	wspinginterval
WEBSOCKETPORT	This parameter is used to set the destination host service port number.	Value range: 1 ... 65535	443	port
WEBSOCKETSSL_CA_CERT_FILE	This is the path and name of file containing trusted root certificates. It can contain either one or multiple certificates. In case more than one root certificate is stored, then all those certificates have to be concatenated into one file in PEM format. NOTE: This is used only when TYPE is WSS, this certificate file should be loaded to the terminal in the path mentioned here, with all permissions.	Alphanumeric, 200	/home/usr1/flash/cst2_test-gsc_vfims_com.cer	ssl_ca_cert_file
WEBSOCKETSSL_OWN_CERT	This is the name of file (and optional path too) containing the own public key certificate required for mutual authentication.	Alphanumeric, 200	/mnt/flash/system/rkeys/usr1/key0.crt	ssl_own_cert
WEBSOCKETSSL_OWN_PRIVATE_KEY	This is the name of file (and optional path too) containing the private key required for mutual SSL authentication.	Alphanumeric, 200	vault:/mnt/flash/system/rkeys/usr1/key0.der	ssl_own_pkey

Config.usr1/Parameter DLD Name	Description	Valid/Max Values	Default Value	Name as in PropertiesData.xml
WBS_START_NETWORK	This parameter is used for bringing up the same network interface for WebSocket connection, if it goes down for any reason.	<ul style="list-style-type: none"> • 0 - Will not try to bring up the same Interface. • 1 - Will try to bring up the same Interface. 	1	start_network
WEBSOCKETTIMEOUT	This parameter is used to set the time, for which a connection establishment may take before it is canceled. When this timeout elapses the current connection attempt is canceled and the next connection is tried, if present.	Alphanumeric, 10 and Unit is msec.	60000	timeout
WEBSOCKETTYPE	This parameter is used to set the type of the connection, like plain TCP, plain UDP, TLS/SSL over TCP or WebSocket (TLS secured and non-secure).	Alphanumeric, 3 <ul style="list-style-type: none"> • WS • WSS 	WSS	type
WEBSOCKETWSHOST	This parameter is used to set the Hostname on server. This is used only if TYPE=WS or TYPE=WSS. NOTE: If this parameter is not specified explicitly, then this will automatically set to the value ADDRESS.	Alphanumeric, 200	dev-poscloud.vficloud.net	wshost
WEBSOCKETWSORIGIN	This parameter is used to set the Socket origin name. This is used only if TYPE=WS or TYPE=WSS. NOTE: If this parameter is not specified explicitly, then this will automatically set to the value ADDRESS.	Alphanumeric, 200	dev-poscloud.vficloud.net	wsorigin

Config.usr1/Parameter DLD Name	Description	Valid/Max Values	Default Value	Name as in PropertiesData.xml
WEBSOCKETWSPATH	This parameter is used to set the WebSocket path on server. This is used only if TYPE=WS or TYPE=WSS.	Alphanumeric, 200	/poscloud	wspath
WEBSOCKETWSPROTOCOL	This parameter is used to set the WebSocket HTTP/S. The value of this parameter is passed to the client and/or server.	Alphanumeric, 200	SCI	wsprotocol