

Regular Expressions to Remove Passwords From IOS Configurations

Regex	ReplaceString
<code>^[]*username[]+(\S*)[]+password[]+([0-9]+)[]+(\S*)[]*\$</code>	<code>username xxxxxxxx password \$2 xxxxxxxx</code>
<code>^[]*username[]+(\S*)[]+password[]+([0-9]+)[]+(\S*)[]+(.*)\$</code>	<code>username xxxxxxxx password \$2 xxxxxxxx \$4</code>
<code>^[]*username[]+(\S*)[]*\$</code>	<code>username xxxxxxxx</code>
<code>^[]*enable[]+secret[]+([0-9]+)[]+(\S*)[]*\$</code>	<code>enable secret \$1 xxxxxxxx</code>
<code>^[]*enable[]+secret[]+(\S*)[]*\$</code>	<code>enable secret xxxxxxxx</code>
<code>^[]*set[]+enablepass[]+(\S*)[]*\$</code>	<code>set enablepass xxxxxxxx</code>
<code>^[]*set[]+password[]+(\S*)[]*\$</code>	<code>set password xxxxxxxx</code>
<code>^[]*neighbor[]+password[]+(\S*)[]+(\S*)[]+(.*)\$</code>	<code>neighbor password \$1 \$2 xxxxxxxx</code>
<code>^[]*password[]+([0-9]+)[]+cisco[]*\$</code>	<code>password \$1 xxxxxxxx</code>
<code>^[]*password[]+([0-9]+)[]+(\S*)[]*\$</code>	<code>password \$1 xxxxxxxx</code>
<code>^[]*password[]+cisco[]*\$</code>	<code>password xxxxxxxx</code>
<code>^[]*password[]+(\S*)[]+(\S*)[]*\$</code>	<code>password \$1 xxxxxxxx</code>
<code>^[]*password[]+(\S*)[]*\$</code>	<code>password xxxxxxxx</code>
<code>^[]*enable[]+password[]+(\S*)[]+level[]+([0-9]+)[]+(\S*)[]*\$</code>	<code>enable password xxxxxxxx level \$2 \$3</code>
<code>^[]*enable[]+password[]+level[]+([0-9]+)[]+([0-9]+)[]+(\S*)[]*\$</code>	<code>enable password level \$1 \$2 xxxxxxxx</code>
<code>^[]*enable[]+password[]+level[]+([0-9]+)[]+(\S*)[]*\$</code>	<code>enable password level \$1 xxxxxxxx</code>
<code>^[]*enable[]+password[]+([0-9]+)[]+(\S*)[]*\$</code>	<code>enable password \$1 xxxxxxxx</code>
<code>^[]*enable[]+password[]+(\S*)[]*\$</code>	<code>enable password xxxxxxxx</code>
<code>^[]*secret[]+([0-9]+)[]+(\S*)[]*\$</code>	<code>secret \$1 xxxxxxxx</code>
<code>^[]*snmp-server[]+community[]+public[]+(.*)\$</code>	<code>snmp-server community xxxxxxxx \$1</code>
<code>^[]*snmp-server[]+community[]+private[]+(.*)\$</code>	<code>snmp-server community xxxxxxxx \$1</code>
<code>^[]*snmp-server[]+community[]+secret[]+(.*)\$</code>	<code>snmp-server community xxxxxxxx \$1</code>
<code>^[]*snmp-server[]+community[]+(\S*)[]+(.*)\$</code>	<code>snmp-server community xxxxxxxx \$2</code>
<code>^[]*snmp-server[]+community[]+(.*)\$</code>	<code>snmp-server community xxxxxx</code>
<code>^[]*snmp-server[]+host[]+(\S*)[]+traps[]+version[]+1[]+(\S*)[]*(.*)\$</code>	<code>snmp-server host \$1 traps version 1 xxxxxxxx \$3</code>
<code>^[]*snmp-server[]+host[]+(\S*)[]+traps[]+version[]+2c[]+(\S*)[]*(.*)\$</code>	<code>snmp-server host \$1 traps version 2c xxxxxxxx \$3</code>
<code>^[]*snmp-server[]+host[]+(\S*)[]+traps[]+version[]+3[]+(\S*)[]+(\S*)[]*(.*)\$</code>	<code>snmp-server host \$1 traps version 3 \$2 xxxxxxxx \$4</code>

^[]*snmp-server[]+host[]+(\S*)[]+traps[]+(\S*)[]*(.*)\$	snmp-server host \$1 traps xxxxxxxx \$3
^[]*snmp-server[]+host[]+(\S*)[]+version[]+1[]+(\S*)[]*(.*)\$	snmp-server host \$1 version 1 xxxxxxxx \$3
^[]*snmp-server[]+host[]+(\S*)[]+version[]+2c[]+(\S*)[]*(.*)\$	snmp-server host \$1 version 2c xxxxxxxx \$3
^[]*snmp-server[]+host[]+(\S*)[]+version[]+3[]+(\S*)[]+(\S*)[]*(.*)\$	snmp-server host \$1 version 3 \$2 xxxxxxxx \$4
^[]*snmp-server[]+host[]+(\S*)[]+informs[]+version[]+1[]+(\S*)[]*(.*)\$	snmp-server host \$1 informs version 1 xxxxxxxx \$3
^[]*snmp-server[]+host[]+(\S*)[]+informs[]+version[]+2c[]+(\S*)[]*(.*)\$	snmp-server host \$1 informs version 2c xxxxxxxx \$3
^[]*snmp-server[]+host[]+(\S*)[]+informs[]+version[]+3[]+(\S*)[]+(\S*)[]*(.*)\$	snmp-server host \$1 informs version 3 \$2 xxxxxxxx \$4
^[]*snmp-server[]+host[]+(\S*)[]+informs[]+(\S*)[]*(.*)\$	snmp-server host \$1 informs xxxxxxxx \$3
^[]*snmp-server[]+host[]+(\S*)[]+(\S*)[]+community[]+(\S*)[]*\$	snmp-server host \$1 \$2 community xxxxxx
^[]*snmp-server[]+host[]+(\S*)[]+(\S*)[]*(.*)\$	snmp-server host \$1 xxxxxxxx \$3
^[]*set[]+snmp[]+community[]+(\S*)[]+public[]*\$	set snmp community \$1 xxxxxxxx
^[]*set[]+snmp[]+community[]+(\S*)[]+private[]*\$	set snmp community \$1 xxxxxxxx
^[]*set[]+snmp[]+community[]+(\S*)[]+secret[]*\$	set snmp community \$1 xxxxxxxx
^[]*set[]+snmp[]+community[]+(\S*)[]+(\S*)[]*\$	set snmp community \$1 xxxxxxxx
^[]*snmp-server[]+community-map[]+(\S*)[]+(.*)\$	snmp-server community-map xxxxxxxx \$2
^[]*snmp-server[]+community[]+(\S*)\$	snmp-server community xxxxxxxx
^[]*aaa-server[]+(\S*)[]+(\S*)[]+host[]+(\S*)[]+(\S*)[]+(.*)\$	aaa-server \$1 \$2 host \$3 xxxxxxxx \$5
^([]*)key[]+(\S*)[]*(.*)\$	\$1key xxxxxxxx
^[]*crypto[]+isakmp[]+key[]+(\S*)[]+(.*)\$	crypto isakmp key xxxxxxxx \$2
^[]*crypto[]+isakmp[]+key[]+(\S*)[]+(\S*)[]+address[]+(\S*)[]*\$	crypto isakmp key xxxxxxxx \$2 address xxxxxxxx
^[]*crypto[]+isakmp[]+key[]+(\S*)[]+address[]+(\S*)[]*\$	crypto isakmp key xxxxxxxx address xxxxxxxx
^[]*crypto[]+(\S*)[]+certificate[]+(.*)\$	crypto \$1 certificate xxxxxxxx
^[]*certificate[]+(\S*)[]*(.*)\$<REGEXSP>^[]*quit\$	xxxxxxx quit
^[]*enable[]+password[]+(\S*)[]+encrypted[]*\$	enable password xxxxxxxx encrypted
^[]*passwd[]+(\S*)[]+encrypted[]*\$	passwd xxxxxxxx encrypted
^[]*ftp[]+client[]+anonymous-password[]+(\S*)[]*\$	ftp client anonymous-password xxxxxxxx
^[]*ftp[]+client[]+password[]+encrypted[]+(\S*)[]*\$	ftp client password encrypted xxxxxxxx
^[]*ftp[]+client[]+username[]+(\S*)[]*\$	ftp client username xxxxxxxx

^[]*hello-password[]+accept[]+(\S*)[]+(\S*)[]+level[]+([0-9]+)[]*\$	hello-password accept \$1 xxxxxxxx level \$3
^[]*hello-password[]+accept[]+(\S*)[]+(\S*)[]*\$	hello-password accept \$1 xxxxxxxx
^[]*hello-password[]+(\S*)[]+(\S*)[]+(\S*)[]+(.*)\$	hello-password \$1 \$2 xxxxxxxx \$4
^[]*hello-password[]+(\S*)[]+(\S*)[]+(\S*)[]*\$	hello-password \$1 \$2 xxxxxxxx
^[]*lsp-password[]+accept[]+(\S*)[]+(\S*)[]+(.*)\$	lsp-password accept \$1 xxxxxxxx \$3
^[]*lsp-password[]+accept[]+(\S*)[]+(\S*)[]*\$	lsp-password accept \$1 xxxxxxxx
^[]*lsp-password[]+(\S*)[]+(\S*)[]+(\S*)[]+(.*)\$	lsp-password \$1 \$2 xxxxxxxx \$4
^[]*lsp-password[]+(\S*)[]+(\S*)[]+(\S*)[]*\$	lsp-password \$1 \$2 xxxxxxxx
^[]*ppp[]+chap[]+password[]+(\S*)[]+(\S*)[]*\$	ppp chap password \$1 xxxxxxxx
^[]*ppp[]+chap[]+password[]+(\S*)[]*\$	ppp chap password xxxxxxxx
^[]*ppp[]+ms-chap[]+password[]+line[]+(\S*)[]*\$	ppp ms-chap password line xxxxxxxx
^[]*ppp[]+ms-chap[]+password[]+(\S*)[]+line[]+(\S*)[]*\$	ppp ms-chap password \$1 line xxxxxxxx
^[]*ppp[]+pap[]+sent-username[]+(\S*)[]+password[]+(\S*)[]*\$	ppp pap sent-username xxxxxxxx password xxxxxxx
^[]*ppp[]+pap[]+sent-username[]+(\S*)[]+password[]+(\S*)[]+(\S*)[]*\$	ppp pap sent-username xxxxxxxx password \$2 xxxxxxx
^[]*message-digest-key[]+(\S*)[]+md5[]+(\S*)[]+(\S*)[]*\$	message-digest-key \$1 md5 \$2 xxxxxxxx
^[]*message-digest-key[]+(\S*)[]+md5[]+(\S*)[]*\$	message-digest-key \$1 md5 xxxxxxxx
^[]*authentication-key[]+(\S*)[]+md5[]+(\S*)[]+(\S*)[]*\$	authentication-key \$1 md5 \$2 xxxxxxxx
^[]*authentication-key[]+(\S*)[]+md5[]+(\S*)[]*\$	authentication-key \$1 md5 xxxxxxxx
^[]*authentication-key[]+(\S*)[]+(\S*)[]*\$	authentication-key \$1 xxxxxxxx
^[]*authentication-key[]+(\S*)[]*\$	authentication-key xxxxxxxx
^[]*key-string[]+(\S*)[]+(\S*)[]*\$	key-string \$1 xxxxxxxx
^[]*key-string[]+(\S*)[]*\$	key-string xxxxxxxx
^[]*key-string[]+(.*)\$	key-string xxxxxxxx
^[]*radius-server[]+key[]+([0-9]+)[]+(\S*)[]*\$	radius-server key \$1 xxxxxxxx
^[]*radius-server[]+key[]+(\S*)[]*\$	radius-server key xxxxxxxx
^[]*tacacs-server[]+key[]+(\S*)[]*\$	tacacs-server key xxxxxxxx
^[]*tacacs-server[]+key[]+(\S*)[]+(\S*)[]*\$	tacacs-server key \$1 xxxxxxxx
^[]*tacacs-server[]+host[]+(\S*)[]+(\S*)[]+(\S*)[]+(\S*)[]+(\S*)[]*\$	tacacs-server host xxxxxxxx \$2 \$3 \$4 xxxxxxxx
^[]*tacacs-server[]+host[]+(\S*)[]+(\S*)[]+(\S*)[]+(\S*)[]*\$	tacacs-server host \$1 \$2 \$3 xxxxxxxx
^[]*tacacs-server[]+host[]+(\S*)[]+(\S*)[]+(\S*)[]*\$	tacacs-server host \$1 \$2 xxxxxxxx
^[]*trusted-key[]+(\S*)[]*\$	trusted-key xxxxxxxx

^[\]*neighbor[\]+(\S*)[\]+password[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]*\$	neighbor \$1 password \$2 xxxxxxxx
^[\]*rsakeypair TP-self-signed-[\]+(\S*)[\]*\$	rsakeypair TP-self-signed- xxxxxxxx
^[\]*set tacacs key[\]+(\S*)[\]*\$	set tacacs key xxxxxxxx
^[\]*pre-shared-key[\]+address[\]+(\S*)[\]+key[\]+(\S*)[\]*\$	pre-shared-key address xxxxxxxx key xxxxxxxx
^[\]*set[\]+localuser[\]+user[\]+(\S*)[\]+password[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]*\$	set localuser user xxxxxxxx password xxxxxxxx privilege \$3
^[\]*ntp[\]+authentication-key[\]+([0-9]+)[\]+md5[\]+(\S*)[\]+([0-9])[\]*\$	ntp authentication-key xxxxxxxx
^[\]*ip[\]+ftp[\]+username[\]+(\S*)[\]*\$	ip ftp username xxxxxxxx
^[\]*ip[\]+ftp[\]+password[\]+([0-9]+)[\]+(\S*)[\]*\$	ip ftp password \$1 xxxxxxxx
^[\]*ip[\]+username[\]+(\S*)[\]*\$	ip username xxxxxxxx
^[\]*username[\]+(\S*)[\]+secret[\]+([0-9]+)[\]+(\S*)[\]*\$	username xxxxxxxx secret xxxxxxxx
^[\]*neighbor[\]+black-hole[\]+password[\]+([0-9]+)[\]+(\S*)[\]*\$	neighbor black-hole password xxxxxxxx
^[\]*neighbor[\]+trigger-network[\]+password[\]+([0-9]+)[\]+(\S*)[\]*\$	neighbor trigger-network password \$1 xxxxxxxx
^[\]*neighbor[\]+password[\]+([0-9]+)[\]+(\S*)[\]*\$	neighbor password xxxxxxxx
^[\]*set[\]+snmp[\]+trap[\]+(\S*)[\]*\$	set snmp trap xxxxxxxx
^[\]*set[\]+tacacs[\]+key[\]+(\S*)[\]*\$	set tacacs key xxxxxxxx
^[\]*ftp-record[\]+(\S*)[\]*\$	ftp-record xxxxxxxx
^[\]*snmp[\]+community[\]+(\S*)[\]*\$	snmp community xxxxxxxx
^[\]*ftp-record[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]*\$	ftp-record \$1 \$2 \$3 \$4 xxxxxxxx
^[\]*ftp-record[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]*\$	ftp-record \$1 \$2 \$3 \$4 xxxxxxxx \$6
^[\]*radius-server[\]+host[\]+(\S*)[\]*\$	radius-server host xxxxxxxx
^[\]*set[\]+radius[\]+key[\]+(\S*)[\]*\$	set radius key xxxxxxxx
^[\]*wlcpc[\]+ap[\]+username[\]+(\S*)[\]*\$	wlccp ap username xxxxxxxx
^[\]*ppp[\]+chap[\]+host-name[\]+(\S*)[\]*\$	ppp chap hostname xxxxxxxx
^[\]*snmp[\]+community[\]+(\S*)[\]+(\S*)[\]*\$	snmp community xxxxxxxx \$2
^[\]*tacacs-server key[\]+([0-9])[\]+(\S*)[\]*\$	tacacs-server key \$1 xxxxxxxx
^[\]*snmp[\]+trap-host[\]+(\S*)[\]*\$	snmp trap-host xxxxxxxx
^[\]*username netadmin secret[\]+([0-9]+)[\]+(\S*)[\]*\$	username netadmin secret xxxxxxxx
^[\]*[\]{Kk}[Ee][Yy]-[Ss][Tt][Rr][Ii][Nn][Gg][]+([0-9])[\]+(\S*)[\]*\$	key-string xxxxxxxx
^[\]*standby[\]+authentication[\]+text[\]+(\S*)[\]*\$	standby authentication text xxxxxxxx

^[\]*standby[\]+authentication[\]+md5[\]+key-string[\]+(\S*)[\]+timeout[\]+([0-9]+)*\$	standby authentication md5 key-string xxxxxxxx timeout \$2
^[\]*standby[\]+authentication[\]+md5[\]+key-string[\]+([0-9]+)[\]+(\S*)[\]+timeout[\]+([0-9]+)*\$	standby authentication md5 key-string \$1 xxxxxxxx timeout \$3
^[\]*standby[\]+authentication[\]+md5[\]+key-string[\]+([0-9]+)[\]+(\S*)[\]*\$	standby authentication md5 key-string \$1 xxxxxxxx
^[\]*standby[\]+authentication[\]+md5[\]+key-string[\]+(\S*)[\]*\$	standby authentication md5 key-string xxxxxxxx
^[\]*standby[\]+authentication[\]+md5[\]+key-chain[\]+(\S*)[\]*\$	standby authentication md5 key-chain xxxxxxxx
^[\]*standby[\]+([0-9]+)[\]+authentication[\]+(\S*)[\]*\$	standby \$1 authentication xxxxxxxxxxxx
^[\]*standby[\]+([0-9]+)[\]+authentication[\]+text[\]+(\S*)[\]*\$	standby \$1 authentication xxxxxxxx
^[\]*standby[\]+([0-9]+)[\]+authentication[\]+md5[\]+key-string[\]+(\S*)[\]+timeout[\]+([0-9]+)*\$	standby \$1 authentication md5 key-string xxxxxxxx timeout \$3
^[\]*standby[\]+([0-9]+)[\]+authentication[\]+md5[\]+key-string[\]+([0-9]+)[\]+(\S*)[\]+timeout[\]+([0-9]+)*\$	standby \$1 authentication md5 key-string \$2 xxxxxxxx timeout \$4
^[\]*standby[\]+([0-9]+)[\]+authentication[\]+md5[\]+key-string[\]+([0-9]+)[\]+(\S*)[\]*\$	standby \$1 authentication md5 key-string \$2 xxxxxxxx
^[\]*standby[\]+([0-9]+)[\]+authentication[\]+md5[\]+key-string[\]+(\S*)[\]*\$	standby \$1 authentication md5 key-string xxxxxxxx
^[\]*standby[\]+([0-9]+)[\]+authentication[\]+md5[\]+key-chain[\]+(\S*)[\]*\$	standby \$1 authentication md5 key-chain xxxxxxxx
^[\]*crypto[\]+pki[\]+(\S*)[\]+(\S*)[\]*\$	crypto pki xxxxxxxx
^[\]*rsakeypair[\]+(\S*)[\]*\$	rsakeypair xxxxxxxx
^[\]*subject-name[\]+(\S*)[\]*\$	subject-name xxxxxxxx
^[\]*neighbor[\]+(\S*)[\]+password[\]+([0-9]+)[\]+(\S*)[\]*\$	neighbor password xxxxxxxx
^[\]*wlcpc[\]+ap[\]+username[\]+(\S*)[\]+password[\]+([0-9]+)[\]+(\S*)[\]*\$	wlccp ap username XXXXX
^[\]*enable[\]+secret[\]+level[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]*\$	enable secret XXXXXXX
^[\]*crypto[\]+pki[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]*\$	pki xxxxxxxx
^[\]*set[\]+snmp[\]+trap[\]+(\S*)[\]+(\S*)[\]+version[\]+([0-9]+)[\]+port[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]*\$	set snmp trap xxxxxxxx
^[\]*username[\]+(\S*)[\]+privilege[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]+(\S*)[\]*\$	username xxxxxxxx
^[\]*crypto[\]+ca[\]+certificate[\]+(.*)\$	crypto ca certificate xxxxxxxx
^[\]*username[\]+(\S*)[\]+privilege[\]+(\S*)[\]+secret[\]+([0-9]+)[\]+(\S*)[\]*\$	username xxxxxxxx
^[\]*set[\]+snmp[\]+trap[\]+(\S*)[\]+(\S*)[\]+port[\]+(\S*)[\]+owner[\]+CLI[\]+index[\]+(\S*)[\]*\$	set snmp xxxxxxxx
