N through T Commands

pvr wrfcvg/ecngpfct. rcig 82

ujqy dwhhgtu ngcm. rcig 84

ujqy dwhhgtu vwpg. rcig 87

ujqy dwhhgtu wucig. rcig 89

ujqy ecngpfct. rcig 8;
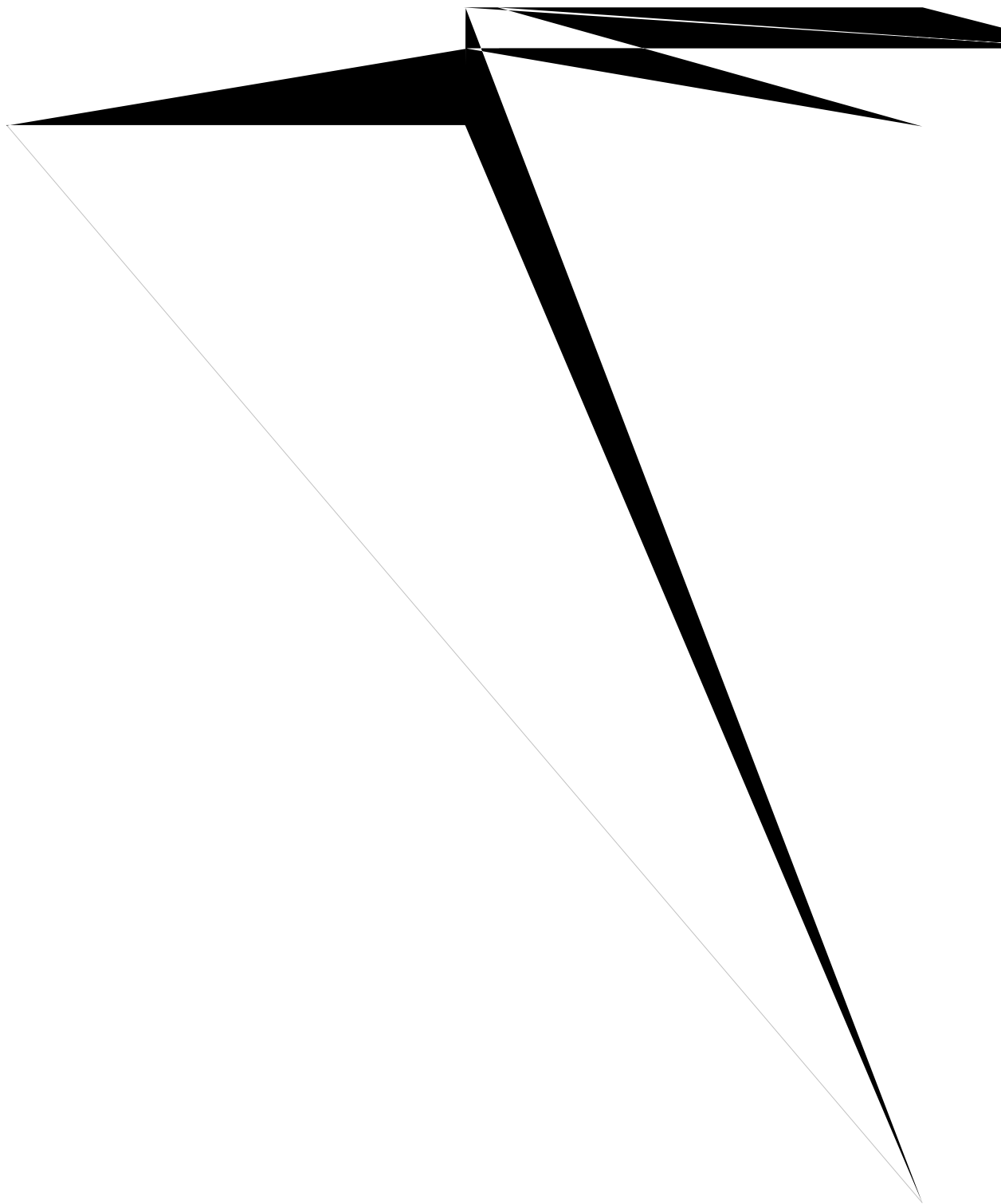
ujqy enqem. rcig

ntp access-group

Command History

Kh {qw fq pqv urgekh{ vjg **krx6** qt **krx8** mg{yqtf. vjg KRx6 ceeguu nkuv ku eqphkiwtgf d{ fghcwnv0 Kp Ekueq KQU ZG Tgngcug 5.07U cpf ncvgt tgngcugu. vjg **ujqy twppkpi/eqphki** eqo o cpf

ntp allow mode private

ntp authenticate

Vq gpcdng Pgvyqtm Vkog Rtqvqeqn *PVR+ cwvjgpvkecvkqp. wug vjg **pvr cwvjgpvkecvg** eqoocpf kp vjg inqdcn eqphkiwtcvkqp oqfg0 Vq fkucdng PVR cwvjgpvkecvkqp.

[

ntp authentication-key

Vq fghkpg cp cwvjgpvkecvkqp mg{ hqt Pgvyqtm Vkog Rtqvqeqn *PVR+. wug vjg **pvr cwvjgpvkecvkqp/mg{** eqoocpf kp inqdcn eqphkiwtcvkqp oqfg0 Vq tgoqxg vjg cwvjgpvkecvkqp mg{ hqt PVR. wug vjg **pq** hqt

ntp broadcast client

v

ntp broadcastdelay

Vq ugv vjg guvkocvgf tqwpf/vtkr fgnc{ dgvyggp vjg Ekueq KQU uqhvyctg cpf c

Vjg PVR ugtxkeg ecp dg cevkxcvgf d{ gpvgtkpi cp{ **pvr** eqo ocpf0 Yjgp {qw wug vjg **pvr dt**

ntp clear drift

Vq tgugv vjg ftkhv xcnwg uvqtgf

ntp clock-period

Usage Guidelines

Fq pqv

ntp logging

Vq

ntp master

Vq eqphkiwtg vjg Ekueq KQU uqhvyctg cu c Pgvyqtm Vkog Rtqvqeqn *PVR+ ocuvgt enqem vq yjkej rggtu u{pejtqpk|g vjgougnxgu yjgp cp gzvgtpcn PVR

Related Commands

Eq o o cpf	Fguetkrvkqp
	Eqphki wtgu vj

ntp max-associations

Vq

Usage Guidelines   Vjg

ntp maxdistance

Vq eqphkiwtg c ocz kowo fkuvcpeg vjtgujqnf xcnwg vq iqxgtp vjg pwodgt qh rcemgvu tgswktgf hqt u{pejtqpk|cvkqp qh rggtu kp Pgvyqtm Vkog Rtqvqeqn xgtukqp 6 *PVRx6+. wug vjg **pvr ocz fkuvcpeg** eqo ocpf kp inqdcn eqphkiwtcvkqp oqfg0 Vq ugv vjg ocz kowo fkuvcpeg vjtgujqnf vq vjg fghcwnv xcnwg. wug vjg **pq** hqto qh vjku eqoocpf0

pvr ocz fkuvcpeg *vjtgujqnf*   *)*   *g*

Kh {qw jcf kuuwgf vjg **pvr o czfkuvcpeg**

ntp multicast

Vq eqphki wtg

Command History

ntp multicast client

Vq eqphkiwtg vjg u{uvgo vq tgegkxg Pgvyqtm Vkog Rtqvqeqn *PVR+ ownvkecuv rcemgvu qp c urgekhkgf kpvgthceg. wug vjg **pvr ownvkecuv enkgpv** eqoocpf

Eq o o cpf	Fguetkrvkqp
	Eqphkiwtgu vjg urgekhkgf kpvgthceg vq tgegkxg PVR dtqcfecuv rcemgvu0

ntp orphan

Vq gpcdng

Command	Description
	Eqphki wtgu vjg uqhvyctg enqem vq

ntp passive

Vq

Examples   Vjg hqnnqylpi gzcorng uflyu jqy vq eqphkiwtg rcuukxg PVR cuuqekcvkqpu‹

If you had issued the **ntp peer** command and you now want to remove noly this restriction. but also all NTP functions from the device. use the **no ntp** command without any keywords or arguments.

Note If you use the **no ntp** command without keywords or arguments in global configuration mode. all NTP configurations are removed and the NTP service on the device is disabled.

Examples

ntp refclock

v

Vq vgt o kpcvg vj g

ntp server

Vq eqphkiwtg c tqwvgt vq cnnqy kvu uqhvyctg enqem

Y jgp {qw gpvgt vjg **pq pvr ugtxgt** eqo ocpf.

ntp source

Vq

wugf cu vjg fguvkpcvkqp hqt tgrn{ rcemgvu0 Kh vjg

ntp trusted-key

Vq cwvjgpvkecvg vjg kfgpvkv{ qh c u{uvgo vq yjkej Pgvyqtm Vkog Rtqvqeqn *PVR+ yknn

Release	Modification
3704*5+V	Vjku eqoocpf ycu oqfkhkgf0 Vjg */gpf/mg{/pwodgt* ctiwogpv ycu cffgf0

Usage Guidelines

ntp update-calendar

Vq rgtkqfkecmn{ wrfcvg vjg jctfyctg enqem

urgekhkgf d{ vjg PVR uqwteg0 Vjg jctfyctg enqem

show buffers leak

Vq fkurnc{ vjg fgvcknu qh cnn vjg dwh

ɴᴊɪŒÔÏIIÎ ÓʜÍʜᴊÓʜ ʀ↔ää→   ꜰ€Í   €   €   €   ꜱ~^æ   ꜱ~^æ ÓÓʀ ÓŒ ᴜ]
ɴᴊɪŒÔɴᴊᴏʜ ÓʜÍɪÍɢʜ ʀ↔ää→   ꜰꜰɪᴊ   €   €   €   ꜱ~^æ   ꜱ~^æ ÓÓʀ ÓŒ ᴜ]
ɴᴊɪŒÔɴŒÑᴏ

show buffers tune

Vq fkurnc{ vjg

Related Commands

show buffers usage

Vq fkurnc{ vjg

S|↑âæã ~à Ñ|ààæãb |bæä â] *á´←æ\b &æ^æãá\æä â]

show calendar

Vq fkurnc{ vjg ewttgpv vkog cpf fcvg ugvvkpi hqt vjg jctfyctg enqem. wug vjg **ujqy ecngpfct** eqoocpf kp GZGE oqfg<

ujqy ecngpfct

Syntax Description

Vjku eqoocpf jcu pq ctiwogpvu qt mg{yqtfu0

Command Modes

GZGE

Command History

Release	Modification
32)2	Vjku eqoocpf ycu kpvtqfwegf0

EˇFÏGÈFIJÎÈFĞÈIí   FÏGÈFIJÎÈFèFFF   Ğ   ĞG   FGÎ   ĞÍí   ÍÈÏ   FFÈFÎ   ĞÈIJ
E ↑áb\æã Çb]^´æäDÊ À ↑áb\æã Ç|^b]^´æäDÊ É bæ→æ´\æäÊ Ë ´á^ä↔äá\æÊ ˇ ´~^à↔&|ãæä

Vjg hqnnqykpi vcdng fguetkdgu vjg ukipkhkecpv hkgnfu ujqyp kp vjg fkurnc{0

Table 3: show ntp associations Field Descriptions

à↔→\æãã~ã K   €ÈI€   FÈHÎ   GÈHIJ

show ntp info

Vq fkurnc{ uvcvke kphqtocvkqp cdqwv Pgvyqtm Vkog Rtqvqeqn *PVR+ gpvkvkgu.

Vjg hqnnqykpi ku uc o rng qwvrwv htqo vjg **ujqy pvr rcemgvu o qfg e nkgpv** eqo ocpf‹

Œæ{↔´æÀ **ujqy pvr rcemgvu oqfg enkgpv**

```
S\* Ø^ *á´←æ\b ´→↔æ^\İ H€
S\* Š|\ *á´←æ\b ´→↔æ^\İ I€
```
Vjg hqnnqykpi ku uc o rng qwvrwv htqo vjg **ujqy pvr rcemgvu o qfg rcuukxg** eqo ocpf‹

Œæ{↔´æÀ **ujqy pvr rcemgvu oqfg rcuukxg**

```
S\* Ø^ *á´←æ\b b]↑↑æ\ã↔´Ë*ább↔{æİ H€
S\* Š|\ *á´←æ\b b]↑↑æ\ã↔´Ë*ább↔{æİ I€
```
Vjg hqnnqykpi ku uc o rng qwvrwv htqo vjg **ujqy pvr rcemgvu o qfg ugtxgt** eqo ocpf‹

Œæ{↔´æÀ **ujqy pvr rcemgvu oqfg ugtxgt**

```
S\* Ø^ *á´←æ\b bæã{æãİ €
S\* Š|\ *á´←æ\b bæã{æãİ €
```
Vjg hqnnqykpi O pi

Table 7: show ntp status Field Descriptions

show sntp

Vq ujqy kphqtocvkqp cdqwv vjg Ukorng Pgvyqtm Vkog Rtqvqeqn *UPVR+. wug vjg **ujqy upvr** eqoocpf kp GZGE oqfg qp c Ekueq 3225. Ekueq 3226. Ekueq 3227. Ekueq 3822. Ekueq 3942. qt Ekueq 3972 tqwvgt0

ujqy upvr

Syntax Description

Vjku eqoocpf

Field	Description
Decus	Kpfkecvgu c dtqcfecuv ugtxgt0

show time-range

Vq fkurnc{ kphqtocvkqp cdqwv eqphkiwtgf vkog tcpigu. wug vjg **ujqy vkog/tcpig** eqoocpf

sntp broadcast client

FÍGÈGFÈGÎÈĞH   H   Ğ   €€Ì€€ÌĞIJ   U]^´æä   Ñ´áb\
Ñã~áä´áb\ ´→↔æ^\ ↑~äæ ↔b æ^áâ→æäÈ

sntp logging

Vq gpcdng Uko rng Pgvyqtm Vkog Rtqvqeqn *UPVR+ oguucig nqiikpi. wug

Þ~|\æãÀ
ЄHIЄHIĞHİ

sntp server

v

sntp source-interface

time-period

Vq ugv vjg vkog kpetgogpv hqt cwvqocvkecnn{ ucxkpi cp ctejkxg hkng qh vjg ewttgpv twppkpi eqphkiwtcvkqp kp vjg Ekueq eqphkiwtcvkqp ctejkxg. wug vjg **vkog/rgtkqf** eqoocpf kp ctejkxg eqphkiwtcvkqp oqfg. Vq fkucdng vjku hwpevkqp. wug vjg **pq** hqto qh vjku eqoocpf.

vkog/rgtkqf *okpwvgu*

pq vkog/rgtkqf

If this command is configured. an archive file of the current running configuration is automatically saved after the given time specified by the *minutes* argument. Archive files continue to be automatically saved at this given time increment until this function is disabled. Use the **maximum** command to set the maximum number of

time-range

Vq gpcdng vk o g/tcpig eqphkiwtcvkqp o qfg cpf fghkpg vk o g tcpigu hqt hwpevkqpu *uwej cu gzvgpfgf ceeguu nkuvu+. wug vjg vk o g/tcpig eq o o cpf kp

Chvgt vjg vk o g/tcpig eqo o cpf. wug vjg **rgtkqfke** vk o g/tcpig eqphki wtcvkqp eqo o cpf. vjg **cduqnwvg** vk o g/tcpig eqphki wtcvkqp eqo o cpf. qt uq o g eq o dkpcvkqp qh vjg o vq fghkpg y jgp vjg hgcvwtg ku kp ghhgev0 Ownvkrng **rgtkqfke** eqo o cpfu