Using the save option "set cfg-save revert" to automatically reboot and revert to a previous configuration of a FortiGate

Description

> This article describes the system global option "**set cfg-save revert**" that can be used during remote changes on a Fortigate and where the operator would like an automatic revert to the previous configuration in case of problems arise (if for example the connection to the FortiGate is lost).

Solution

The global setting parameter "set cfg-save" dictates the way that configuration changes applied on the FortiGate are saved:

FGT# config system global

FGT# (global) # set cfg-save ?

automatic   automatically save config

manual   manually save config

revert   manually save config and revert the config when timeout

- The default setting is "**automatic**" : in this mode, any changes applied after an "end" or "Apply" will be saved.

- If set to "**revert**", an additional global parameter is required, which is the timeout in seconds : "**set cfg-revert-timeout**"

> **Once this is applied, any new changes must be saved manually with the command "execute cfg save"within the period of the timeout, otherwise the FortiGate will reboot.**
>
> A warning CLI message will be displayed 10s before the reboot :

```
FGT # System will reboot if no input is received in the next 10 seconds...
System will reboot if no input is received in the next 9 seconds...
System will reboot if no input is received in the next 8 seconds...
System will reboot if no input is received in the next 7 seconds...
```

Example :

This example explains the use of the **cfg-save revert** command and its associated event log Fortigate Restarted when newly added configuration is not confirmed.

```
FG100D_Primary (global) # set cfg-save

automatic   Automatically save config.

manual      Manually save config.

revert      Manually save config and revert the config when timeout.


FG100D_Primary (global) # show full-configuration | grep cfg

set cfg-save automatic


FG100D_Primary (global) # show full-configuration | grep cfg

set cfg-save revert     <<--- Changed from automatic to revert

set cfg-revert-timeout 600   <<--- (10 Minutes)


FG100D_Primary (lan) # set role

lan        Connected to local network of endpoints.

wan        Connected to Internet.

dmz        Connected to server zone.

undefined   Interface has no specific role.


FG100D_Primary (lan) # set role lan   <<-- Added a new role to the LAN interface configuration in order to

generate a new change in the current configuration.

FG100D_Primary (lan) # end
```
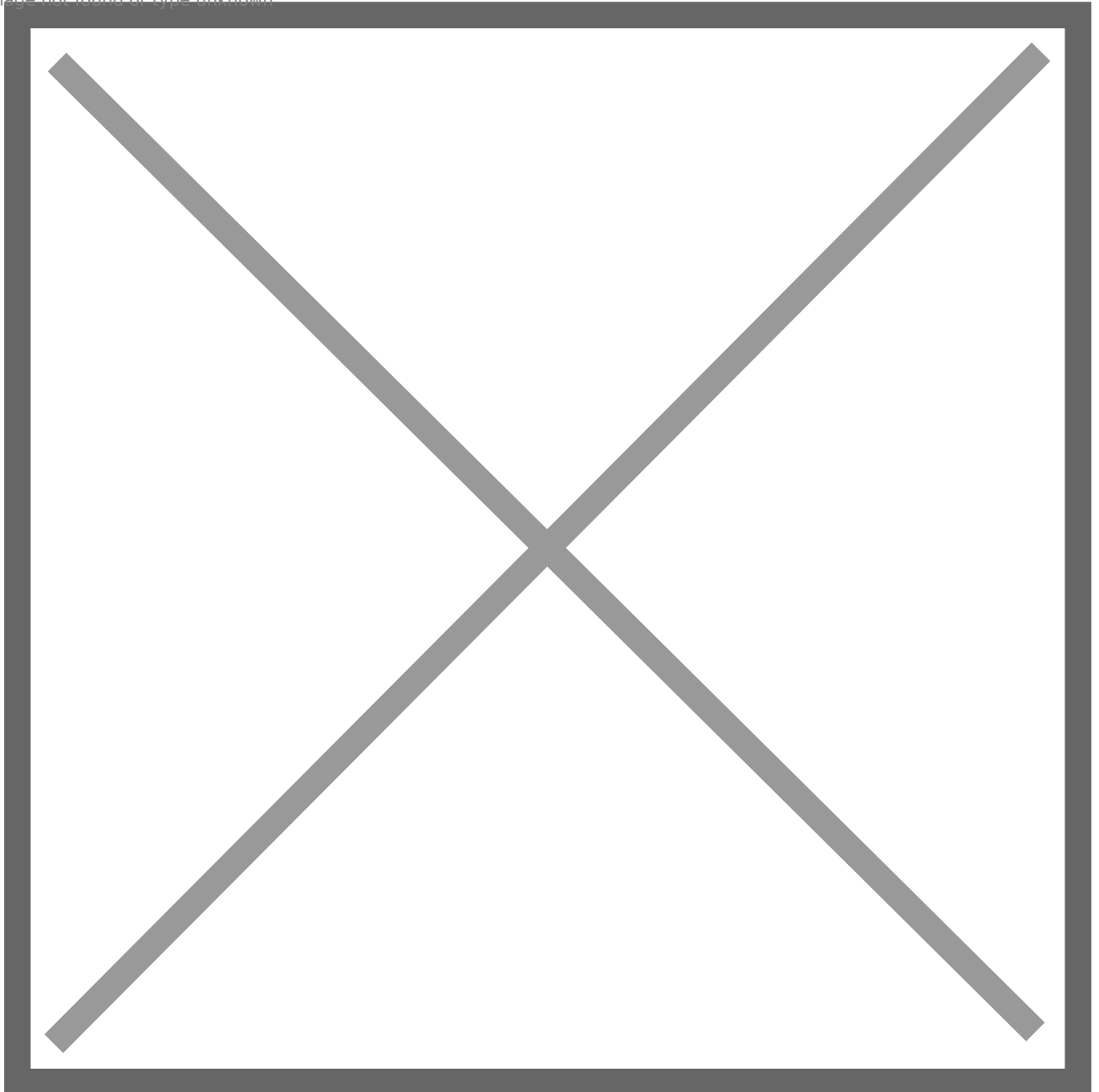
FG100D_Primary (lan) # show full-configuration | grep role

set role lan   <<-- New configuration added to interface

FG100D_Primary (lan) # show full-configuration | grep role

set role undefined <<-- The newly added configuration of role on the interfaces was never added to the current configuration due to the "timeout" of 600 seconds, (10 Minutes) expired and the newly added configuration was never confirmed generating the event log "Fortigate Restarted" under system events.