



THE POWER OF BUILDING AND
MANAGING NETWORKS

Config Compliance Check (CCC)



Configuration conformity in network devices (independent of manufacturer), as well as the assurance that safety and security guidelines have been complied with, are an important factor when operating a corporate-wide network.

International guidelines such as SOX, ITIL, etc. require verifiable and accountable proof of conformity to corporate guidelines that are not simply based on "good faith".

ERAMON Config Compliance Check provides network administrators with a tool that enables them to reliably execute these tasks and issues auditable proof to that effect.

In the course of this, ERAMON Config Compliance Check analyzes the configurations of devices monitored by ERAMON while applying pre-defined sets of rules.

In the example below the system checks a configuration for the ntp server: 172.22.10.10.

NTP Check	##global## +ntp server 172.22.10.10 ##end##
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In the course of this check, the following error message is generated:

Non-Occurring Rules

Rule	Required	Status
#ntp server 172.22.10.10	Y	

Config File

```
!  
version 12.4  
service timestamps debug datetime msec  
service timestamps log datetime msec  
no service password-encryption  
!
```

These rulesets are the result of those previously specified and binding corporate guidelines. Within these sets of rules the network administrator can determine which configuration commands are permitted in the configurations, as well as their frequency and/or content.

The rulesets are specified by regular expressions; also enabling you to check the relevant configuration in sections.



ERAMON Config Compliance Check then checks the conformity of the current configuration at the set times and alerts (event, e-mail, etc.) the responsible member of staff of any errors.

Name (*)	NTP Check
Rules (*)	<pre>##global## #ntp server 172.22.10.10 ##end##</pre>
Event Prio	info
Event Text (*)	<input checked="" type="checkbox"/> Fehler <input checked="" type="checkbox"/> Template Name <input type="checkbox"/> Job Name <input checked="" type="checkbox"/> Failed Rule
Status	Active

(*) Mandatory Field



One special feature here is that the devices whose configuration does not comply with the ruleset are included in a separate device group. This allows you to clean up the configurations of these devices as a whole in a possible further step.

Group Name	Items	Number of Devices	User Group Assignment	Set up on	Set up by	Latest Change	Latest change by	
CCC Template 1 (Job-ID 1)	Regular Expression	4	All		ccc	2013-09-27 09:19:34		 Quick Action

ERAMON not only covers the technical aspects of this task, such as the transmission of error alerts or configuration violations to ensure their appropriate clearance, but it also supports corporate processes, e.g. service assurance, with appropriate reports and direct integration into workflow systems.

Using ERAMON Config Compliance Check and other supporting modules from the ERAMON range would therefore provide you with measurable proof of successful changes, for example, within the corporate-wide change management by.

Highlights:

- Reporting facility for the technical and commercial departments (Revision)
- E-mail or SMS alerts in the event of detected violations
- Prioritization of violations
- Checks can be started manually or automatically
- Several rules can be pooled into one job thus requirements from various sectors can be checked in a single step
- Perl conform regular expressions (Regex's) can be used
- Automatic pooling of devices with incorrect configurations
- Integration into workflow systems is possible
- Manufacturer-independent – can be used for all manufacturers working with text-based configurations
- Ease-of-use and powerful rulesets to set up the configuration guidelines that are to be applied