ACT Feature

Teldat-Dm 818-I

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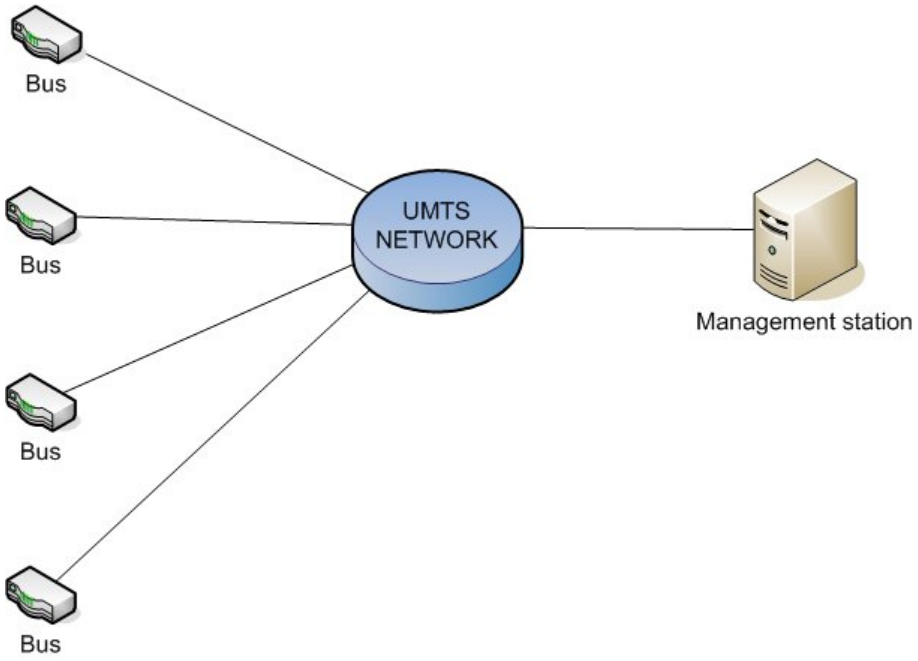
Table of Contents

Chapter 1 Introduction

1.1 ACT Feature: Introduction

ACT (Alsa Custom Trap) is a feature that is included in Teldat devices to periodically send monitoring information from routers on board buses to the central management stations. This information is sent as an SNMP trap.

The following figure shows a typical network scenario with an ACT configuration.



A typical network configuration that uses ACT

Chapter 2 Configuration

2.1 Initial Considerations

The ACT feature enables the sending of an SNMP every certain period of time to one or more management stations. The configuration of the feature activates the sending of this information and the time between deliveries, however for the sending to actually occur, you need to previously configure the traps destination management stations with the SNMP configuration and activate the sending of the said feature traps in the events configuration.

2.2 Accessing the Configuration

You can access the ACT feature configuration menu from the main configuration menu (PROCESS 4) by executing the *feature act* command

Syntax:

```
Config>feature act

-- Alsa Custom Trap configuration --
AAA config>?
  enable      Enable ACT
  list        List ACT info
  no          Negate a command or set its defaults
  timer       Configure ACT timer
  exit        Exit to parent menu
```

The following sections describe the use of each of the commands in more detail.

2.3 ACT Configuration Menu

The ACT feature main configuration menu contains the following commands:

Command	Function
? (HELP)	Displays the configuration commands or their options.
ENABLE	Enables the ACT feature.
LIST	Displays the configuration of the ACT feature.
NO	Negates a command or establishes its default parameters.
TIMER	Configures the time between the sending of information.
EXIT	Returns to the configuration menu.

The following sections will describe in detail each of the above commands:

2.3.1 ? (HELP)

Displays the available commands or the options of each command.

2.3.2 ENABLE

Enables the ACT feature in the device.

Syntax:

```
ACT config>enable
```

The ACT feature is disabled by default.

2.3.3 LIST

Use this command to access the information on the configuration of the feature.

Syntax:

```
ACT config>list {all | timer}
```

all:	Displays all the information.
timer:	Displays the information relative to the timer.

Example:

```
ACT config>list all
Status: Enabled
Timer: 2 minutes
ACT config>
```

This example shows the configuration of the ACT feature.

2.3.4 NO

Configures the parameters with their default values or deletes the configuration.

Syntax:

```
ACT config>no enable
```

Example:

```
ACT config>no enable
ACT config>
```

The feature is disabled in the above example.

2.3.5 TIMER

Use this command to configure the time between the sending of the information.

Syntax:

```
ACT config>timer <1..1440>
ACT config>
```

<1..1440>:	Time in minutes between two pieces of information being sent.

Example:

```
ACT config>timer 2
ACT config>
```

In the above example, the time between sendings has been configured to 2 minutes.

Chapter 3 Configuration Example

3.1 Tacacs+ authorization of commands for all the services that this supports

Let's imagine a scenario where monitoring information is going to be sent every 3 minutes to a management station with address192.168.212.27.

The complete configuration is as follows:

```
Config>show conf
; Showing Menu and Submenus Configuration for access-level 15 ...
; H1 Auto.Router  WL IPSec SNA VoIP T+ 20 12 Version 10.09.12-MR
; Warning: static configuration is not saved!

   log-command-errors
   no configuration
   description "GUI Demo H1Auto"
   set inactivity-timer disabled
   add device ppp 1
   add device tnip 1
   add device eth-subinterface ethernet0/0 100
   set data-link at cellular1/0
   set data-link at cellular1/1
   global-profiles dial
; -- Dial Profiles Configuration --
      profile VODAFONE default
      profile VODAFONE dialout
      profile VODAFONE 3gpp-apn airtelnet.es
;
   exit
;
;
   network ethernet0/0
; -- Ethernet Interface User Configuration --
      ip address 192.168.212.175 255.255.254.0
;
   exit
;
   network cellular1/0
; -- Interface AT. Configuration  --
      coverage-timer 10
      no register-denied-reset
      pin ciphered 0x9DC0C378DCACA1D4
;
      network mode automatic
      network domain cs+ps
   exit
;
;
   network wlan2/0
; -- Wireless LAN Interface. Configuration --
      ip address 15.15.15.16 255.255.0.0
;
      bss "act_test"
         privacy-invoked
         cipher tkip
         access-control allow
         access-control mac-address f8-db-7f-29-e9-5c
;
         key default 3
         key 3 size 104 ascii ciphered 0x07AEE7EF6E1EB8226ED42EC69CC05ABF
;
      exit
```

```
;
   exit
;
   network ppp1
; -- Generic PPP User Configuration --
      ip address unnumbered
;
      ppp
; -- PPP Configuration --
         authentication sent-user VODAFONE ciphered-pwd 0x2B7881855F50F830B2543A2B754BEB43
         ipcp local address assigned
         no ipcp peer-route
         lcp echo-req off
      exit
;
      base-interface
; -- Base Interface Configuration --
         base-interface cellular1/1 link
         base-interface cellular1/1 profile VODAFONE
;
      exit
;
   exit
;
   network tnip1
; -- IP Tunnel Net Configuration --
      mode gre ip
   exit
;
   event
; -- ELS Config --
      enable snmp-trap subsystem ACT ALL
   exit
;
   set ftp
; -- FTP user configuration --
      timer 1h
   exit
;
;
   protocol ip
; -- Internet protocol user configuration --
      route 0.0.0.0 0.0.0.0 ppp1
;
      rule 1 local-ip ppp1 remote-ip any
      rule 1 napt translation
;
      ip-param routing-table-size 10000
      classless
   exit
;
;
  feature ntp
; -- NTP Protocol user configuration --
      protocol
      source-address 192.168.212.175
      peer address 1 172.25.6.0
   exit
;
;
   protocol snmp
; -- SNMP user configuration --
      community gestion access write-read-trap
;
      host 192.168.212.27 trap version v1 gestion all
;
      trap sending-parameters time 1s
```

```
      trap sending-parameters number 1
   exit
;
;
   feature act
; -- Alsa Custom Trap configuration --
      enable
      timer 2
   exit
;
   dump-command-errors
   end
```