



**DITo do IT ourself**  
**a contribution for the UnifAce Community**

**dITo Project PULSE: doing jobs on regular base**

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## 1 What's it good for?

on T.U.R.F, there was a question which can be solved using a periodically update of a database information. This here is a small demo implementation of a timer.

### 1.1 the DITo Contact



eMail to [ulrichmerkel@web.de](mailto:ulrichmerkel@web.de); see [www.uli-merkel.de](http://www.uli-merkel.de) for more about dITo.

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## 2 Using UTIMER as a pulse

### 2.1 sudden exit from application-how to handle

<http://hosted.byjones.net/turf/viewtopic.php?f=2&t=1595>

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#### 2.1.1 sudden exit from application-how to handle

Posted: **07.05.13 17:30**

by **se2mis**

Dear all,

in our uniface 9.5 windows application we are keeping a FLAG when user login to the system. therefore same user cannot login to the system in two sessions. but say that if any sudden interruption occurred [power off in the machine while user logged in] how to set the flag ?? . because at that situation program cannot set the user login status to False since we can't trapped that exit. therefore user cannot login to the system.

How to handle this situation in the application .pls help.

regards,  
se

---

#### 2.1.2 Re: sudden exit from application-how to handle

Posted: **07.05.13 18:55**

by **Uli**

Hi,

one option is to add to your LOGINNAME and FLAG an additional field TIMESTAMP.

You can use UTIMER to set a pulse and update the timestamp let's say each 30 minutes by a service.

Whenever you login and the flag is set but the timestamp is older than 35 minutes, you are allowed to proceed.

So all you have to do after a crash is to wait a little bit. This all goes without admin-intervention.

An alternative if to have some admin who can reset the flag.

Greetings from Frankfurt/Germany,  
Uli

## 2.2 The solution

The UTIMER is a "component" which activates the ASYNC trigger of a specified component. The time can be set individually. To have the option of more timers, it is necessary to create a special instance based on UTIMER.

The implementation of the demo is very easy; I made it a form so we can start them from the IDF.

## 3 The Implementation

### 3.1 The Local Procs

```

entry DO_INIT
    call do_pulse_start()
    message "Init done"
end ; DO_INIT

entry DO_CLEANUP
    call do_pulse_stop()
    message "Cleanup done"
end ; DO_CLEANUP

entry do_pulse_start
    newinstance "UTIMER", "SVC_PULSE_A"
    activate "SVC_PULSE_A".start("00:00:03")
    activate "SVC_PULSE_A".setRepeat(0)
    activate "SVC_PULSE_A".setMessage($instancename, "A Pulse", "")
end ; do_pulse_start

entry do_pulse_stop
    activate "SVC_PULSE_A".stop()
end ; do_pulse_stop

entry process_pulse
params
    string p_triggerabbr    : in
    string p_fieldname      : in
    string p_entname        : in
    string p_set_container  : in
endparams
    message $concat(p_triggerabbr, " ->", p_set_container, "<-")
end ; process_pulse

entry trigger_dispatch
params
    string p_triggerabbr    : in
    string p_fieldname      : in
    string p_entname        : in
    string p_set_container  : in
endparams
selectcase ($supercase(p_triggerabbr))
    case 'ASYS'
        call process_pulse(p_triggerabbr, p_fieldname, p_entname, p_set_container)
endselectcase
end ; trigger_dispatch

```

### 3.2 The ASYNC

```

variables
    string v_set_container
endvariables
endvariables
    putitem/id v_set_container, "$result", $result
    if ($result = 'message')
#for p = (DATA, DST, ID, SRC, INSTANCENAME, INSTANCEPATH)
    putitem/id v_set_container, "<p>", $msginfo("<p>")
#endfor
#undefine p
endif
call trigger_dispatch("<$triggerabbr>", "<$fieldname>", "<$entname>", v_set_container)

```

### 3.3 The Operations

```

operation INIT
    call do_init()
end ; INIT

operation CLEANUP
    call do_cleanup()
end ; CLEANUP

```