



ITM 6.x – Scenario-based troubleshooting

Scenario #6 : Situation does not fire

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Scenario #4a

- Situation is not started

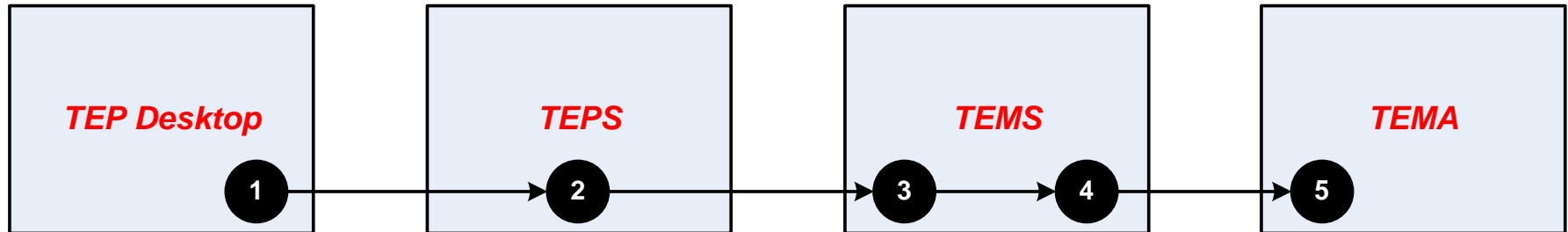


Requirements

- Increase trace level of **TEPS** to **ERROR** (UNIT:ctsql ALL)
- Increase trace level of **TEMS** to **ERROR** (UNIT:kfaibins ALL)
(UNIT:kfaibdel ALL) (UNIT:kfastiag ALL)
(UNIT:kfastalr ALL) (UNIT:kfaiblod ALL)
(UNIT:kfastins ALL) (UNIT:kfastnan ALL)
(UNIT:kdssqprs INPUT,ERROR)
- Increase trace level of **TEMA** to **ERROR** (UNIT:kra ALL)
- Simulate the problem and collect **RAS1** log files from all components.
- All log files' timestamp must be synchronized in time.



Diagram and flow description



- 1 User configures a new Situation through TEP console.
- 2 TEPS sends a request to update O4SRV.TSITDESC for a new Situation (unit:*ctsql/statement*).
- 3 TEMS parses the request (unit:*kdssqprs*) and updates O4SRV.TSITDESC for Situation information and O4SRV.TOBJACCL for Situation distribution information. (unit:*kfaibins*).
- 4 TEMS updates EIBLOG with operation 'A' to add the Situation and then with operation 'R' to lodge it (unit:*kfastiag*).
- 5 TEMA receives the Situation request and starts it (unit:*kraafmgr*). Operational log file is updated.

Example (TEPS)

- TEPS sends a request to update O4SRV.TSITDESC for a new Situation (unit:*ctsqlstatement*)

```
(4C847E92.04FB-
25E0:ctsqlstatement.cpp,213,"SQLStatement::SQLStatement")
HUB_ITMDVD26(426): INSERT INTO O4SRV.TSITDESC (SITNAME, TEXT,
AFFINITIES, PDT, REEV_TIME, REEV_DAYS, ALERTLIST, AUTOSTART,
SENDMSGQ, LSTDATE, LSTUSRPRF, LSTRELEASE, LSTCCSID, PRNAMES, CMD,
AUTOSOPT, ADVISE, SITINFO, QIBSCOPE, QIBCLASSID ) VALUES(?, ?, ?,
?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)

(4C847E92.04FC-
25E0:ctsqlstatement.cpp,238,"SQLStatement::SQLStatement")
HUB_ITMDVD26(426): Values: 'NT_Notepad1_Test' 'NT_Notepad1_Test'
'%IBM.STATIC021          0000000000#####' '*IF *MISSING
NT_Process.Process_Name *EQ ( 'notepad.exe' )' '003000' '0' ''
'*YES' '*NONE' '1100906013930000' 'SYSADMIN' 'V100' 'en_US' ''
'*NONE' 'NNN' '*NONE' 'TFWD=Y;OV=N;~' 'E' '5140'
```

Example (TEMS)

- TEMS parses the request (unit:*kdssqprs*)

```
(4C847E92.0000-2BCC:kdssqprs.c,607,"PRS_ParseSql") SQL to be parsed is
... Ascii 0x00550000.
```

```
(4C847E92.0001-2BCC:kdssqprs.c,643,"PRS_ParseSql") INSERT INTO
O4SRV.TSITDESC (SITNAME, TEXT, AFFINITIES, PDT, REEV_TIME, R
```

```
(4C847E92.0002-2BCC:kdssqprs.c,643,"PRS_ParseSql") EEV_DAYS,
ALERTLIST, AUTOSTART, SENDMSGQ, LSTDATE, LSTUSRPRF, LSTRELEASE
```

```
(4C847E92.0003-2BCC:kdssqprs.c,643,"PRS_ParseSql") , LSTCCSID,
PRNAMES, CMD, AUTOSOPT, ADVISE, SITINFO, QIBSCOPE, QIBCLASSI
```

```
(4C847E92.0004-2BCC:kdssqprs.c,643,"PRS_ParseSql") D ) VALUES(?, ?, ?,
?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)
```

Example (TEMS)

- Updates O4SRV.TSITDESC for Situation information (unit: *kfaibins*)

```
(4C847E92.0008-25BC:kfaibins.c,825,"Process") SITNAME(16): 'NT_Notepad1_Test'
(4C847E92.0009-25BC:kfaibins.c,825,"Process") TEXT(16): 'NT_Notepad1_Test'
(4C847E92.000A-25BC:kfaibins.c,825,"Process") AFFINITIES(43): '%IBM.STATIC021      0000000000#####'
(4C847E92.000B-25BC:kfaibins.c,825,"Process") PDT(58): '*IF *MISSING NT_Process.Process_Name *EQ ( 'notepad.exe' )'
(4C847E92.000C-25BC:kfaibins.c,825,"Process") REEV_TIME(6): '003000'
(4C847E92.000D-25BC:kfaibins.c,825,"Process") REEV_DAYS(1): '0'
(4C847E92.000E-25BC:kfaibins.c,825,"Process") ALERTLIST(100): '
(4C847E92.000F-25BC:kfaibins.c,825,"Process") AUTOSTART(4): '*YES'
(4C847E92.0010-25BC:kfaibins.c,825,"Process") SENDMSGQ(5): '*NONE'
(4C847E92.0011-25BC:kfaibins.c,825,"Process") LSTDATE(16): '1100906013930000'
(4C847E92.0012-25BC:kfaibins.c,825,"Process") LSTUSRPRF(8): 'SYSADMIN'
(4C847E92.0013-25BC:kfaibins.c,825,"Process") LSTRELEASE(4): 'V100'
(4C847E92.0014-25BC:kfaibins.c,825,"Process") LSTCCSID(5): 'en_US'
(4C847E92.0015-25BC:kfaibins.c,825,"Process") PRNAMES(182): '

(4C847E92.0016-25BC:kfaibins.c,825,"Process") CMD(5): '*NONE'
(4C847E92.0017-25BC:kfaibins.c,825,"Process") AUTOSOPT(3): 'NNN'
(4C847E92.0018-25BC:kfaibins.c,825,"Process") ADVISE(5): '*NONE'
(4C847E92.0019-25BC:kfaibins.c,825,"Process") SITINFO(13): 'TFWD=Y;OV=N;~'
(4C847E92.001A-25BC:kfaibins.c,825,"Process") QIBSCOPE(1): 'E'
(4C847E92.001B-25BC:kfaibins.c,825,"Process") QIBCLASSID(4): '5140'
(4C847E92.001C-25BC:kfaibins.c,825,"Process") DESTNODE(1): ' '
(4C847E92.001D-25BC:kfaibins.c,825,"Process") EVENTATTR(1): ' '
(4C847E92.001E-25BC:kfaibins.c,825,"Process") HUB(1): ' '
(4C847E92.001F-25BC:kfaibins.c,825,"Process") LOCFLAG(1): ' '
(4C847E92.0020-25BC:kfaibins.c,825,"Process") NOCOL(1): ' '
(4C847E92.0021-25BC:kfaibins.c,825,"Process") NOTIFYARGS(1): ' '
(4C847E92.0022-25BC:kfaibins.c,825,"Process") NOTIFYOPTS(1): ' '
(4C847E92.0023-25BC:kfaibins.c,825,"Process") OBJECTLOCK(1): ' '
(4C847E92.0024-25BC:kfaibins.c,825,"Process") REFLEXOK(1): ' '
(4C847E92.0025-25BC:kfaibins.c,825,"Process") RESERVED(1): ' '
(4C847E92.0026-25BC:kfaibins.c,825,"Process") SOURCE(1): ' '
(4C847E92.0027-25BC:kfaibins.c,965,"Process") Storing '1100906013930000' in LSTDATE column
(4C847E92.0028-25BC:kfaibins.c,976,"Process") Insert length: 3994
(4C847E92.0029-25BC:kfaibins.c,1275,"Process") Insert into TSITDESC, len: 3994, key: 'NT_Notepad1_Test'
```

Example (TEMS)

- Updates O4SRV.TOBJACCL for Situation distribution information (unit:*kfaibins*)

```
(4C847E92.0045-25BC:kfaibins.c,788,"Process") Getlock taken on thread:lock <9660:C7B5C0> for
workA <88EE320> table <TOBJACCL> with count <1>
(4C847E92.0046-25BC:kfaibins.c,825,"Process") ACTIVATION(1): 'Y'
(4C847E92.0047-25BC:kfaibins.c,825,"Process") HUB(1): 'Y'
(4C847E92.0048-25BC:kfaibins.c,825,"Process") LOCFLAG(2): ' '
(4C847E92.0049-25BC:kfaibins.c,825,"Process") LSTDATE(16): '1100906013931000'
(4C847E92.004A-25BC:kfaibins.c,825,"Process") LSTRELEASE(8): ' '
(4C847E92.004B-25BC:kfaibins.c,825,"Process") LSTUSRPRF(8): 'SYSADMIN'
(4C847E92.004C-25BC:kfaibins.c,825,"Process") NETID(1): ' '
(4C847E92.004D-25BC:kfaibins.c,825,"Process") NODEL(19): 'Primary:ITMDVD26:NT'
(4C847E92.004E-25BC:kfaibins.c,825,"Process") OBJCLASS(4): '5140'
(4C847E92.004F-25BC:kfaibins.c,825,"Process") OBJECTLOCK(16): ' '
(4C847E92.0050-25BC:kfaibins.c,825,"Process") OBJNAME(16): 'NT_Notepad1_Test'
(4C847E92.0051-25BC:kfaibins.c,825,"Process") PATHNAME(1): ' '
(4C847E92.0052-25BC:kfaibins.c,825,"Process") PERCOLATE(1): ' '
(4C847E92.0053-25BC:kfaibins.c,825,"Process") SOURCE(1): ' '
(4C847E92.0054-25BC:kfaibins.c,825,"Process") QIBCLASSID(4): '5535'
(4C847E92.0055-25BC:kfaibins.c,825,"Process") INFO(1): ' '
(4C847E92.0056-25BC:kfaibins.c,825,"Process") OPERATION(1): ' '
(4C847E92.0057-25BC:kfaibins.c,825,"Process") RESERVED(1): ' '
(4C847E92.0058-25BC:kfaibins.c,965,"Process") Storing '1100906013931000' in LSTDATE column
(4C847E92.0059-25BC:kfaibins.c,976,"Process") Insert length: 476
(4C847E92.005A-25BC:kfaibins.c,1275,"Process") Insert into TOBJACCL, len: 476, key:
'Primary:ITMDVD26:NT' 'NT_Notepad1_Test' '5140'
```


Example (TEMS)

- TEMS updates EIBLOG with operation 'A' to add the Situation and then with operation 'R' to lodge it (unit: *kfastiag*)


```
(4C847E92.005B-25BC:kfastiag.c,231,"KO4IB_UpdateAccessListGroup") Entry
(4C847E92.005C-25BC:kfastiag.c,263,"KO4IB_UpdateAccessListGroup") Input
  nodelist we are searching for <Primary:ITMDVD26:NT
(4C847E92.005D-25BC:kfastiag.c,320,"KO4IB_UpdateAccessListGroup") Entry read:
  <Primary:ITMDVD26:NT          HUB_ITMDVD26
(4C847E92.005E-25BC:kfastiag.c,342,"KO4IB_UpdateAccessListGroup") We were
  passed a nodeListRec like this:
(4C847E92.005F-25BC:kfastiag.c,343,"KO4IB_UpdateAccessListGroup") nodeList:
  <Primary:ITMDVD26:NT
(4C847E92.0060-25BC:kfastiag.c,344,"KO4IB_UpdateAccessListGroup") node:
  <HUB_ITMDVD26
(4C847E92.0061-25BC:kfastiag.c,345,"KO4IB_UpdateAccessListGroup") nodeType: <V>
(4C847E92.0062-25BC:kfastiag.c,655,"KO4IB_UpdateAccessListGroup") Inserting a
  record into the IB log for an individual node that is not part of MSL fan out.
(4C847E92.0063-25BC:kfastiag.c,657,"KO4IB_UpdateAccessListGroup") Nodelist
  <Primary:ITMDVD26:NT
(4C847E92.0064-25BC:kfastiag.c,658,"KO4IB_UpdateAccessListGroup") Node
  <HUB_ITMDVD26
(4C847E92.0065-25BC:kfastiag.c,659,"KO4IB_UpdateAccessListGroup") User
  <SYSADMIN
(4C847E92.0066-25BC:kfastiag.c,660,"KO4IB_UpdateAccessListGroup") Operation <A>
```

Example (TEMA)

- TEMA receives the Situation request and starts it (unit:*kraafmgr*). Operational log file is updated.


```
(4C847E95.0016-25C4:kraafmgr.cpp,619,"Start") Start received
  NT_Notepad1_Test <747637462,0> on *.WTPROCESS
(4C847E95.0017-25C4:kraafmgr.cpp,623,"Start") Value of instruction
  <LSTDATE(1100906013930000) PREFILT(>
(4C847E95.001C-25C4:kraacthy.cpp,249,"KRA_GetPredicate") Input
  oldpred 0x6107288, ctira req 0xE5FD88, KNT.WTPROCESS
  <747637462.298846057> sit "NT_Notepad1_Test"
(4C847E95.0025-25C4:kraafira.cpp,308,"ctira") Creating request
  @0xe5fd88 <747637462,298846057> KNT.WTPROCESS, NT_Notepad1_Test
(4C847E95.0026-25C4:kraaevxp.cpp,479,"CreateSituationEvent") *EV-
  INFO: Input event: obj=0xE5FD88, type=1, excep=0, numRow=0,
  rowData=0xNULL, status=0, sitname="NT_Notepad1_Test"
(4C847E95.0027-25C4:kraaevxp.cpp,538,"CreateSituationEvent") *EV-
  INFO: Use request <E5FD88> element <61264E0>
(4C847E95.0028-25C4:kraaevxp.cpp,409,"EnqueueEventWork") *EV-INFO:
  Enqueue event work element 61264E0 to Dispatcher
(4C847E95.0035-25C4:kraafmgr.cpp,651,"Start") Start complete
  NT_Notepad1_Test <747637462,298846057> on *.WTPROCESS, status =
  0
```



More analysis

- Tables O4SRV.TSITDESC, O4SRV.TOBJACCL and EIBLOG are very important in creating and starting Situations.
- Starting of Situation can be fully confirmed by examining RAS1 log on TEMA or TEMA's operational log.



Scenario #4b

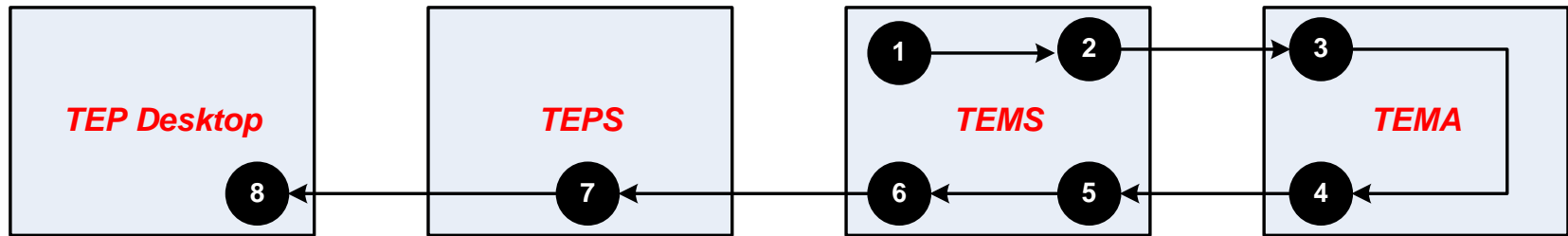
- Situation does not fire

Requirements

- **Increase trace level of TEPS to** (UNIT:kv4 IN ER)
(UNIT:kv4mtmdl,entry:"MObjTemplate::_dispatchEvent"
DETAIL ERROR)
(UNIT:ctcmweventsupplier,entry:"CMWEEventSupplier::co
nvertPathEvent" DETAIL ERROR)
- **Increase trace level of TEMS to** (UNIT:kpxreqds ALL)
(UNIT:kpxrpcrq ALL) (UNIT:ko4sitma ALL) (UNIT:ko4async
ERROR STATE FLOW) (UNIT:ko4tobje ALL) (UNIT:kdsruc1
ALL)
- **Increase trace level of TEMA to** (UNIT:kra ALL)
- **Simulate the problem and collect RAS1 log files from all components.**
- **All log files' timestamp must be synchronized in time.**



Diagram and flow description



- 1 Situation request is initialized and target nodes are determined (unit:*kpxreqds*).
- 2 RPC request to TEMA is created with **request handle** as identifier (unit:*kpxrpcrq*).
- 3 TEMA receives the request with **request handle** (unit:*kraafira*) and data is collected (unit:*krant*).
- 4 Data is sent back to TEMS with the same request handle as reference (unit:*kraadspt*).
- 5 TEMS receives the data based on the same request handle (unit:*kpxrpcrq*).
- 6 TEMS changes the Situation status to TRUE (unit:*kdsruc1*) and notify TEPS (unit:*ko4async*).
- 7 TEPS receives the Situation event from TEMS (unit:*kv4mtmgr*), raises an event (unit:*kv4mtmdl*) and propagates the event (unit:*ctcmweventsupplier*).
- 8 User sees the event on the TEP console.

Example (TEMS)

- Situation request is initialized and target nodes are determined (unit:*kpxreqds*).
 (4C84FC5B.005D-AAC:kpxreqds.cpp,325,"InitializeRequest") Request:
NT_CPU_Test <703598373> *.NTPROCSSR
 (4C84FC5B.005F-AAC:kpxreqds.cpp,1088,"BuildRequestTable") Column
 count is 14 table NTPROCSSR
 (4C84FC5B.0060-AAC:kpxreqds.cpp,1281,"BuildRequestTable") Simple
 situation NT_CPU_Test ruleroot<NT_CPU_Test_____>
 rulename<**NT_CPU_Test**_____> and found NO column use
 column group function
 (4C84FC5B.006D-
 AAC:kpxreqds.cpp,970,"determineTargetsFromAccessList") Calling
 KFA_GetAccessListNodes for **NT_CPU_Test**, 5140
 (4C84FC5B.006E-
 AAC:kpxreqds.cpp,985,"determineTargetsFromAccessList") Node #0
Primary:ITMDVD26:NT



Example (TEMS)

- RPC request to TEMA is created with **request handle** as identifier (unit:*kpxrpcrq*).

```
(4C84FC5B.0079-B6C:kpxrpcrq.cpp,365,"PrintSelf") RPC request
<707792680> to node Primary:ITMDVD26:NT address
ip:#10.100.100.89[38213]

(4C84FC5B.007A-B6C:kpxreqi.cpp,766,"RequestImp__PrintSelf")
Request to Primary:ITMDVD26:NT, <707792680,0> obj: 0x6BCAA18,
retries:0, flags:0x18000000, status:1, owner:0x9486A20

(4C84FC5B.007B-B6C:kpxrpcrq.cpp,173,"requestStart") StartAgent
instruction UTF8: 0, len: 34[LSTDATE(1100906230058000)PREFILT()]

(4C84FC5B.0088-444:ko4tobje.cpp,2694,"ibTable::checkObject")
Checking value <NT_CPU_Test>

(4C84FC5B.008A-444:ko4tobje.cpp,2694,"ibTable::checkObject")
Checking value <HUB_ITMDVD26>

(4C84FC5B.008C-444:ko4tobje.cpp,2726,"ibTable::checkObject")
Searching for key <NT_CPU_Test HUB_ITMDVD26>

(4C84FC5B.008F-444:ko4tobje.cpp,1912,"ibTable::appendKeyedRecord")
Adding key <NT_CPU_Test HUB_ITMDVD26> of row <5759D48> to
table <52DA4F0>

(4C84FC5B.0098-444:ko4sitma.cpp,930,"IBInterface::lodge")
Situation <NT_CPU_Test> lodged successfully
```



Example (TEMA)

- TEMA receives the request with **request handle** (unit:*kraafira*) and data is collected (unit:*krant*)

```
(4C8512A1.0004-B4:kraafira.cpp,767,"DriveDataCollection") KNT.NTPROC SSR, <707792680,1800406879>
  NT_CPU_Test expired.
(4C8512A1.002D-B4:krant05b.cpp,287,"PrintSelf")      _data {
(4C8512A1.002E-B4:krant05b.cpp,288,"PrintSelf")        count=2, allocated=20, allocSize=20
(4C8512A1.002F-B4:krant05b.cpp,293,"PrintSelf")        {
(4C8512A1.0030-B4:krant05b.cpp,294,"PrintSelf")          originnode="Primary:ITMDVD26:NT
"
(4C8512A1.0031-B4:krant05b.cpp,295,"PrintSelf")          sampleno=576
(4C8512A1.0032-B4:krant05b.cpp,296,"PrintSelf")          rowno=1
(4C8512A1.0033-B4:krant05b.cpp,297,"PrintSelf")          timestamp="1100907003623561"
(4C8512A1.0034-B4:krant05b.cpp,298,"PrintSelf")          instcname="0
"
(4C8512A1.0035-B4:krant05b.cpp,299,"PrintSelf")          privtime=98
(4C8512A1.0036-B4:krant05b.cpp,300,"PrintSelf")          proctime=100
...
(4C8512A1.003F-B4:krant05b.cpp,309,"PrintSelf")        }
(4C8512A1.0040-B4:krant05b.cpp,293,"PrintSelf")        {
(4C8512A1.0041-B4:krant05b.cpp,294,"PrintSelf")          originnode="Primary:ITMDVD26:NT
"
(4C8512A1.0042-B4:krant05b.cpp,295,"PrintSelf")          sampleno=576
(4C8512A1.0043-B4:krant05b.cpp,296,"PrintSelf")          rowno=2
(4C8512A1.0044-B4:krant05b.cpp,297,"PrintSelf")          timestamp="1100907003623561"
(4C8512A1.0045-B4:krant05b.cpp,298,"PrintSelf")          instcname="_Total
"
(4C8512A1.0046-B4:krant05b.cpp,299,"PrintSelf")          privtime=98
(4C8512A1.0047-B4:krant05b.cpp,300,"PrintSelf")          proctime=100
...
(4C8512A1.0050-B4:krant05b.cpp,309,"PrintSelf")        }
(4C8512A1.0051-B4:krant05b.cpp,313,"PrintSelf") }
(4C8512A1.0052-B4:krant05b.cpp,315,"PrintSelf") Exit
```



Example (TEMA)

- Data is sent back to TEMS with the same **request handle** as reference (unit:*kraadspt*).

```
(4C8512A1.0055-B4:kraadspt.cpp,706,"sendDataToProxy")
Sending 2 rows for NT_CPU_Test KNT.NTPROCSSR,
<707792680,1800406879>.
```

```
(4C8512A1.005A-
B4:kraaevxp.cpp,479,"CreateSituationEvent") *EV-INFO:
Input event: obj=0x5BB2AA0, type=5, excep=1, numbRow=2,
rowData=0x5CB2008, status=0, sitname="NT_CPU_Test"
```

```
(4C8512A1.005F-
B4:kraatblm.cpp,605,"checkForExpiredRequests") Situation
NT_CPU_Test <707792680,1800406879> expired at 1283789473
and will next expire at 1283789773 : timeTaken = 0
```

Example (TEMS)

- TEMS receives the data based on the same **request handle** (unit:*kpxrpcrq*).

```
(4C85129F.0000-11D8:kpxrpcrq.cpp,731,"IRA_NCS_Sample")
Entry
```

```
(4C85129F.0001-11D8:kpxrpcrq.cpp,749,"IRA_NCS_Sample")
Rcvd 2 rows sz 192 tbl *.NTPROCSSR req NT_CPU_Test
<707792680,1800406879> node <Primary:ITMDVD26:NT>
```

```
(4C85129F.0002-11D8:kpxreqds.cpp,519,"Update") Request
<707792680> to node Primary:ITMDVD26:NT now has status 7
```



Example (TEMS)

- TEMS changes the Situation status to TRUE (unit:*kdsruc1*);
 (4C85129F.0018-137C:kdsruc1.c, 612, "Delta") Delta
 NT_CPU_Test _____ Occuring State Change
 to Y
- And notify TEPS (unit:*ko4async*)
 (4C85129F.002D-101C:ko4async.cpp, 758, "AsyncNotify") Entry
 (4C85129F.0032-101C:ko4async.cpp, 870, "AsyncNotify")
 oName <NT_CPU_Test _____*>
 (4C85129F.0033-101C:ko4async.cpp, 872, "AsyncNotify")
 sitName <NT_CPU_Test>
 (4C85129F.0035-101C:ko4async.cpp, 878, "AsyncNotify") Exit



Example (TEPS)

- TEPS receives the Situation event from TEMS (unit:kv4mtmgr);


```
(4C8512A0.0000-D04:kv4mtmgr.cpp,295,"::TemplateMgrListenThread::run")
  Situation event received, Name(NT_CPU_Test)
(4C8512A0.0001-D04:kv4mtmgr.cpp,298,"::TemplateMgrListenThread::run")
  ..... FullName(NT_CPU_Test)
(4C8512A0.0002-D04:kv4mtmgr.cpp,301,"::TemplateMgrListenThread::run")
  ..... Node(Primary:ITMDVD26:NT)
(4C8512A0.0003-D04:kv4mtmgr.cpp,304,"::TemplateMgrListenThread::run")
  ..... SitmonNode(HUB_ITMDVD26)
(4C8512A0.0004-D04:kv4mtmgr.cpp,307,"::TemplateMgrListenThread::run")
  ..... OriginNode(Primary:ITMDVD26:NT)
(4C8512A0.0005-D04:kv4mtmgr.cpp,310,"::TemplateMgrListenThread::run")
  ..... DeltaStatus(Y)
(4C8512A0.0006-D04:kv4mtmgr.cpp,313,"::TemplateMgrListenThread::run")
  ..... Type(0)
(4C8512A0.0007-D04:kv4mtmgr.cpp,316,"::TemplateMgrListenThread::run")
  ..... Atomize()
(4C8512A0.0008-D04:kv4mtmgr.cpp,319,"::TemplateMgrListenThread::run")
  ..... GlobalTimeStamp(1100907003624000)
(4C8512A0.0009-D04:kv4mtmgr.cpp,322,"::TemplateMgrListenThread::run")
  ..... LocalTimeStamp(1100907003624999)
(4C8512A0.000A-CD4:kv4mtmdl.cpp,730,"MObjTemplate::_dispatchEvent") Event
  <NT_CPU_Test> nodeName <Primary:ITMDVD26:NT> delta <Y>
```
- raises an event (unit:kv4mtmdl);


```
(4C8512A0.000B-CD4:kv4mtmdl.cpp,824,"MObjTemplate::_dispatchEvent")
  template(KFW_NODE): Raising event for name<NT_CPU_Test> on
  node<Primary:ITMDVD26:NT> with delta<Y> atomize<>
```



Example (TEPS)

- propagates the event (unit: *ctcmweventsupplier*)

```
(4C8512A0.000C-CD4:ctcmweventsupplier.cpp, 866, "CMWEventSupplier::convertPathEvent") Path Event:
(4C8512A0.000D-CD4:ctcmweventsupplier.cpp, 867, "CMWEventSupplier::convertPathEvent") stateName
'Critical'
(4C8512A0.000E-CD4:ctcmweventsupplier.cpp, 868, "CMWEventSupplier::convertPathEvent") severity '90'
(4C8512A0.000F-CD4:ctcmweventsupplier.cpp, 869, "CMWEventSupplier::convertPathEvent") mObjId
'p@Primary:ITMDVD26:NT'
(4C8512A0.0010-CD4:ctcmweventsupplier.cpp, 870, "CMWEventSupplier::convertPathEvent") mObjType 'AGENT'
(4C8512A0.0011-CD4:ctcmweventsupplier.cpp, 871, "CMWEventSupplier::convertPathEvent") mObjName
'Windows OS'
(4C8512A0.0012-CD4:ctcmweventsupplier.cpp, 872, "CMWEventSupplier::convertPathEvent") action '1'
(4C8512A0.0013-CD4:ctcmweventsupplier.cpp, 873, "CMWEventSupplier::convertPathEvent") acknowledged '0'
(4C8512A0.0014-CD4:ctcmweventsupplier.cpp, 874, "CMWEventSupplier::convertPathEvent") stateAck '0'
(4C8512A0.0015-CD4:ctcmweventsupplier.cpp, 875, "CMWEventSupplier::convertPathEvent") stateSev '90'
(4C8512A0.0016-CD4:ctcmweventsupplier.cpp, 866, "CMWEventSupplier::convertPathEvent") Path Event:
(4C8512A0.0017-CD4:ctcmweventsupplier.cpp, 867, "CMWEventSupplier::convertPathEvent") stateName
'Critical'
(4C8512A0.0018-CD4:ctcmweventsupplier.cpp, 868, "CMWEventSupplier::convertPathEvent") severity '90'
(4C8512A0.0019-CD4:ctcmweventsupplier.cpp, 869, "CMWEventSupplier::convertPathEvent") mObjId
'd28ef067@IPO1'
(4C8512A0.001A-CD4:ctcmweventsupplier.cpp, 870, "CMWEventSupplier::convertPathEvent") mObjType 'NODE'
(4C8512A0.001B-CD4:ctcmweventsupplier.cpp, 871, "CMWEventSupplier::convertPathEvent") mObjName 'IPO1'
(4C8512A0.001C-CD4:ctcmweventsupplier.cpp, 872, "CMWEventSupplier::convertPathEvent") action '1'
(4C8512A0.001D-CD4:ctcmweventsupplier.cpp, 873, "CMWEventSupplier::convertPathEvent") acknowledged '0'
(4C8512A0.001E-CD4:ctcmweventsupplier.cpp, 874, "CMWEventSupplier::convertPathEvent") stateAck '0'
(4C8512A0.001F-CD4:ctcmweventsupplier.cpp, 875, "CMWEventSupplier::convertPathEvent") stateSev '90'
...
...
```

More analysis

- First of all, check in TEMS' RAS1 log whether or not KPX component has received the result from TEMA in question.
- If not, check whether or not TEMA has successfully collected the information requested and sent it to TEMS.
- If yes, check whether TEPS has been successfully notified.

