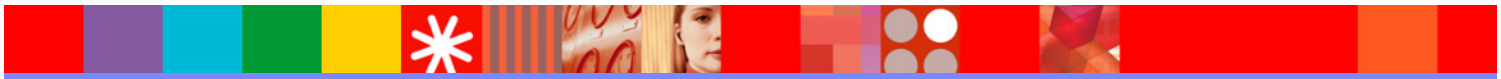
IBM Software Group

Become An OMEGAMON Power User

Session 14056
Friday, August 16th: 8:00 AM - 9:00 AM



Agenda

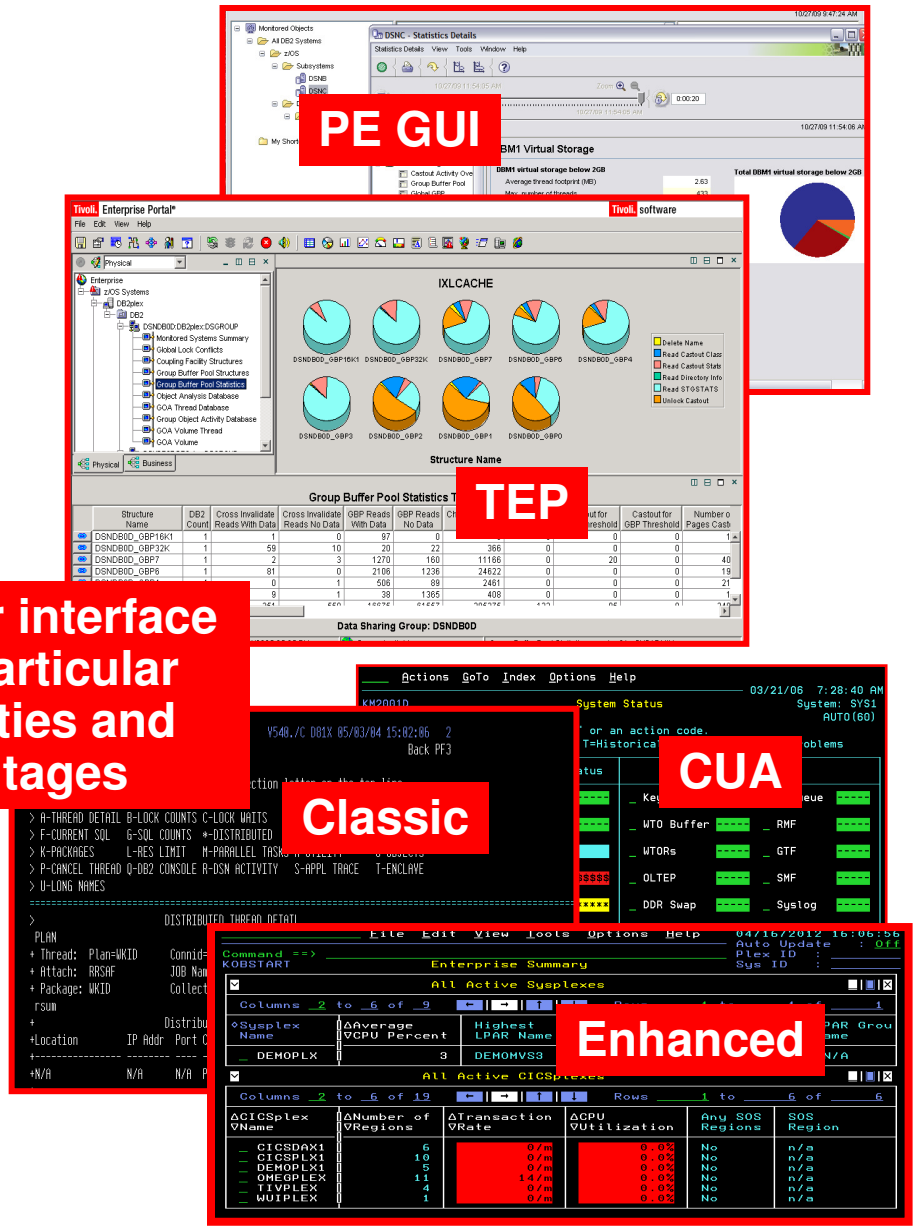
- What is a Power User?
- How to become A Power User
- OMEGAMON – Interfaces & Options
- OMEGAMON – Power User Examples
- OMEGAMON – Power User Resources

What Is A Power User?

- As defined by Wikipedia
  - “A power user is a user of a personal computer who has the ability to use advanced features of programs which are beyond the abilities of "normal" users”
- Ed Woods’ definition
  - A user of computer technology who takes that technology and crafts it to more fully fill their needs

OMEGAMON XE Options & Interfaces

- **GUI Interfaces**
  - **Tivoli Enterprise Portal (TEP)**
  - **OMEGAMON DB2 PE GUI**
  - **Real time and historical**
  - **Automation & alerts – Situations & Policies**
- **3270 interface**
  - **OMEGAMON Classic, CUA and Enhanced 3270**
  - **Real Time & Historical**
  - **Real Time & Historical**
  - **Warning & Critical exception alerts**



OMEGAMON Classic Interface Usage And Considerations

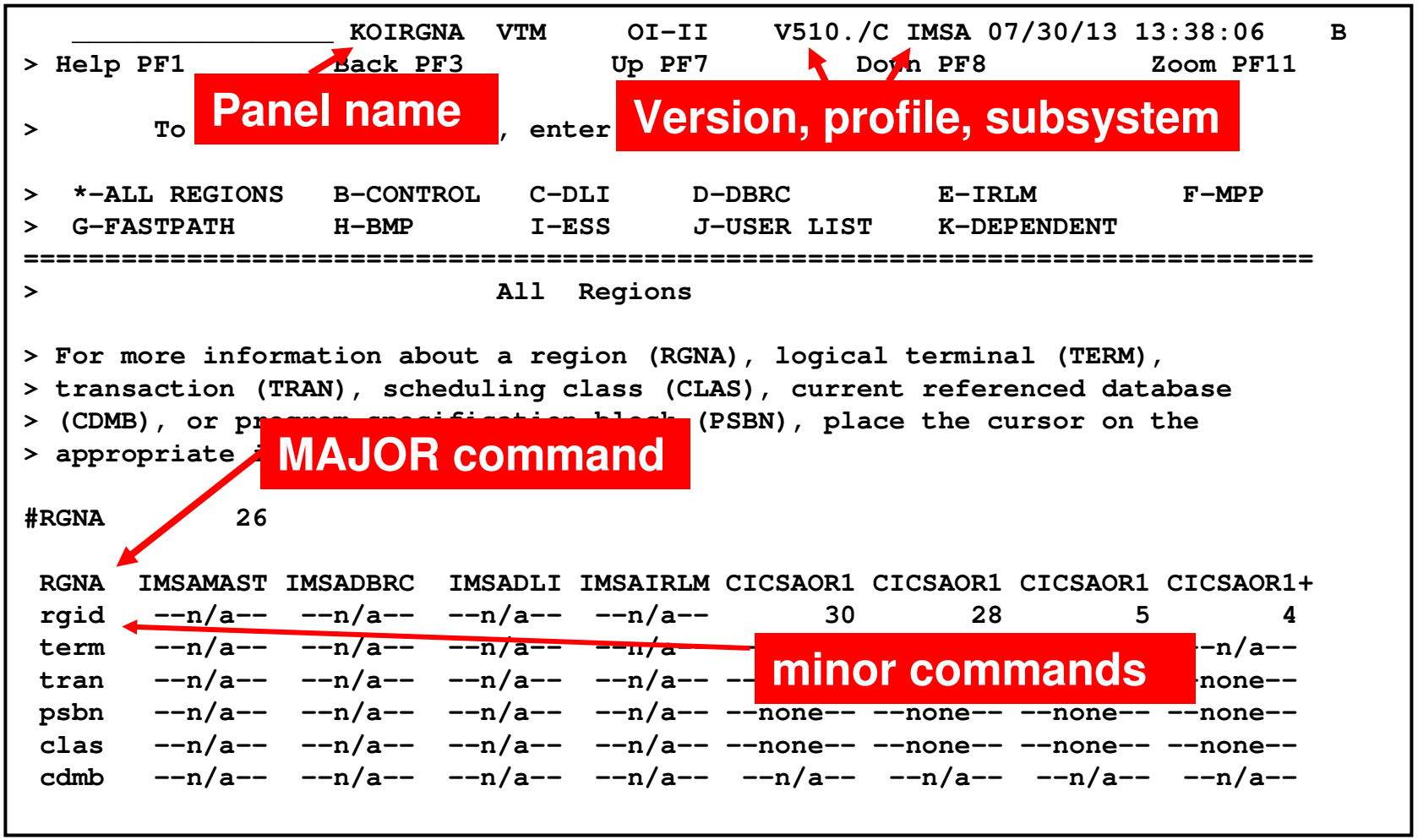
- "Classic" Interface - the original OMEGAMON interface
  - The "Big Four" OMEGAMONs offer Classic interface
    - z/OS, CICS, DB2, IMS
- OMEGAMON Classic Interface is the original ""Power User" interface
  - Fast and reliable
  - Powerful command driven
  - Flexible and customizable
- Typical Classic interface power user scenarios
  - Quickly create custom classic workspaces using major and minor commands
  - Screen logging
  - Timed screen facility – TSF
  - Automated screen facility - ASF

Classic Interface Example
OMEGAMON IMS - Classic 3270 Interface Main Menu

```
  _________________ ZMENU    VTM     OI-II    V510./C IMSA 07/30/13 13:36:33    B
> Help/News PF1           Exit PF3          Keys PF5          Command Mode PF12
> Return to CUA PA2       Colors PF18
>                 Enter a selection letter on the top line.
================================================================================
>               OMEGAMON for IMS Performance Monitor Main Menu

_ E  EXCEPTIONS ....... Current and potential system problems, latch conflicts
_ R  RESPONSE TIME .... Transaction response times (RTA users)
_ B  BOTTLENECKS ...... Resource contention (bottleneck analysis) (DEXAN users)
_ H  TRANS HISTORY .... Application Trace and Journal Facility

_ M  MONITOR .......... IMS status, graphs, and time controlled operations
_ W  WORKLOAD ......... PSBs, DMBs, transactions, regions, and classes
_ Y  OTMA ............. OTMA status, TMEMBERs, and TPIPEs
_ L  LINES ............ Terminals, nodes, and lines
_ A  ALL POOLS ........ Communication, database, and program pools
_ C  COMPONENTS ....... I/O, logging, storage, and control blocks/modules

_ F  FAST PATH ........ IMS Fast Path information
_ O  OTHER SYSTEMS .... External subsystems (DB2 and MQ) an

_ T  TOOLS ............ Operator tools
_ P  PROFILE .......... Profile maintenance and session settings
>
================================================================================
```

Select letter options to navigate to different displays

Classic Interface
MAJOR And minor Commands



Classic Interface Examples

- Detailed IMS subsystem, transaction, and region analysis is a common usage of the Classic interface
  - Example - RGNA major commands with various minors
- Classic interface includes easy to use screen logging capabilities
  - Have screen spaces logged to OMEGAMON sysout for later review
- Classic interface includes timer and screen automation capabilities
  - Execute classic screen spaces at certain times of day (TSF)
  - Execute classic screen spaces based upon classic exceptions (ASF)

Creating A Custom Region Overview Screen

The MPP major command shows all the MPP message regions in the IMS subsystem.

Options could include using RGNA to show all the IMS regions, etc.

```
                                                    30/13 13:41:50    B

MPP    IMSAMSG1  IMSAMSG2
clas   --none--  --none--
cpu          .01       .02
ocup   --init--  --init--
tran   --none--  --none--
term    --n/a--   --n/a--
.RC
```

The .RC option will repeat and wrap the commands

There are over 100 minors for the MPP major command. Creating a custom region screen allows the user to create a targeted region screen, and include more relevant information on that screen.

Save The Customized Screen Space

```
/SAVE EDREGN_______ EDREGN    VTM      OI-II     V510./C IMSA 07/30/13 13:45:40

MPP    IMSAMSG1  IMSAMSG2
clas   --none--  --none--
cpu          .01       .02
ocup   --init--  --init--
tran   --none--  --none--
term    --n/a--   --n/a--
.RC
```

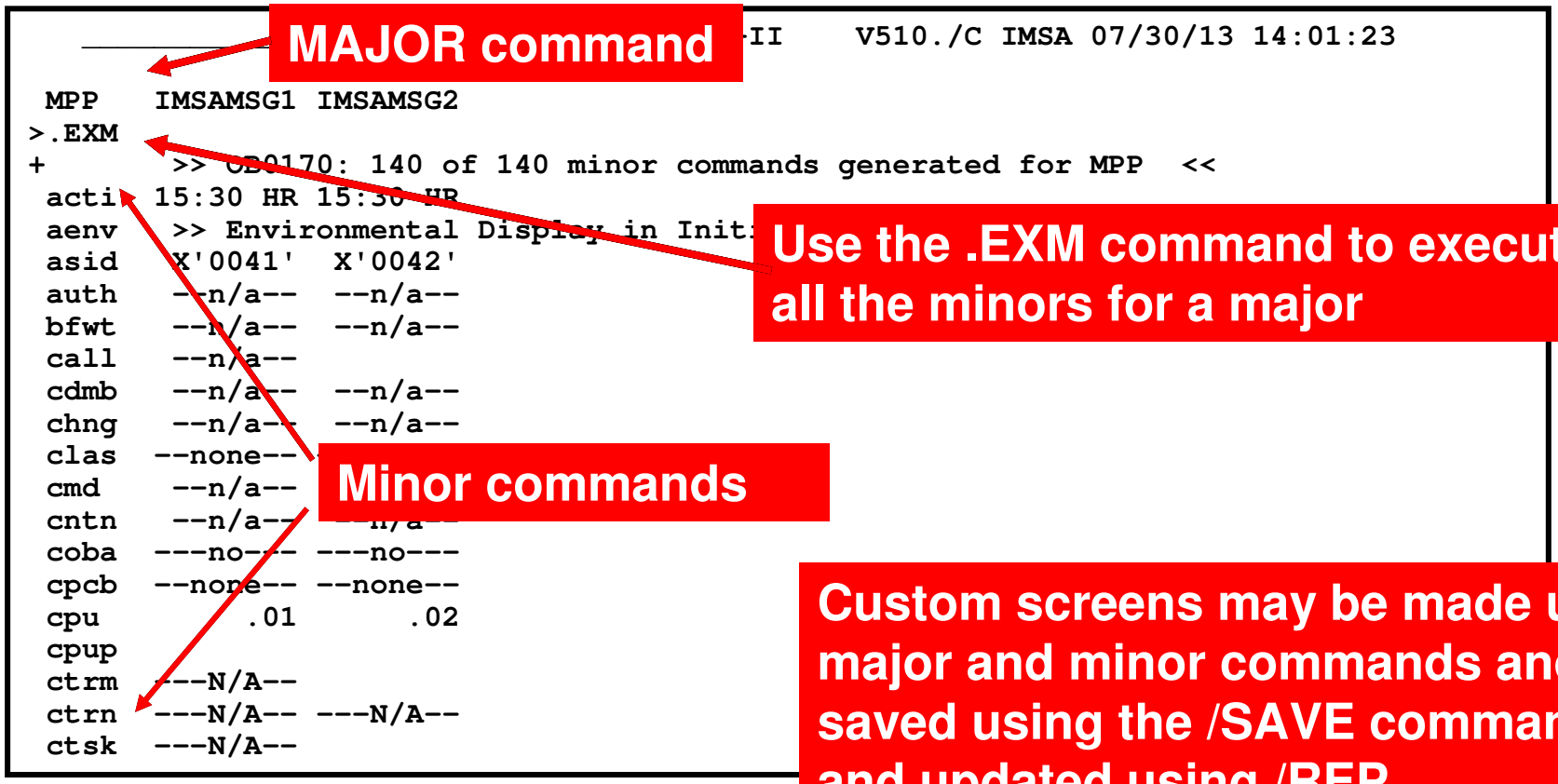
Use the /SAVE command to save the custom screen space.

Use the /REP command to replace an existing screen.

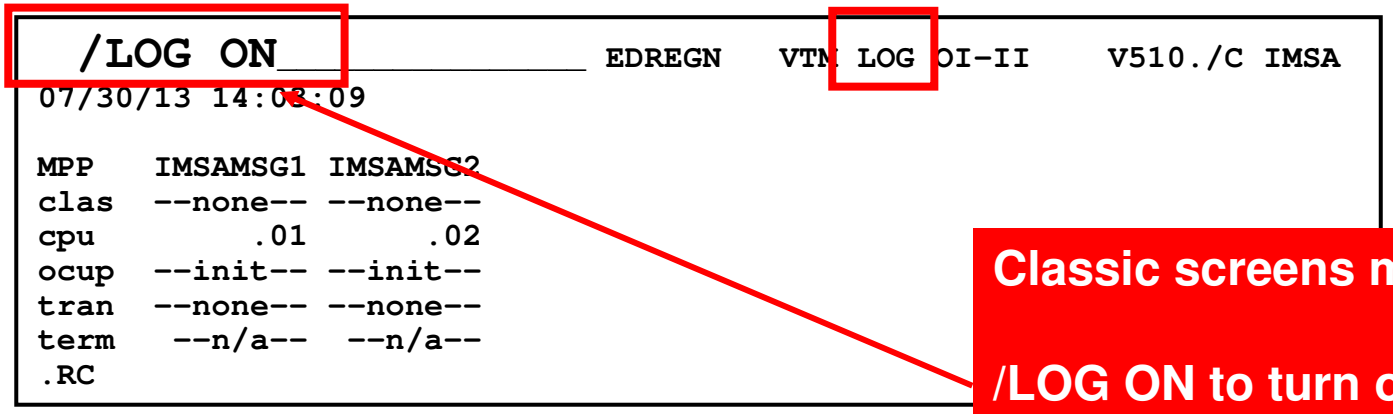
To invoke the screen enter the screen name on the command line.

Make screens for various filter options needed.

Making Custom Screen Spaces



Screen Logging



Classic screens may be logged.

/LOG ON to turn on

/LOG OFF to turn off

Log output goes to sysout on the OMEGAMON collector address space.

Useful to snapshot some screens, or screens over a period of time.

Executing A Screen Space Based Upon A Timer TSF Command – Timed Screen Facility

```
_________________ KOIRGNA  VTM LOG OI-II    V510./C IMSA 07/30/13 14:49:53


 .TSF01  TIME=1100  SS=EDREGN    DAY=DAILY
```

.TSF01 command to enter a timer. Enter the time and the screen to execute.

```
  _________________ KOIRGNA  VTM LOG OI-II    V510./C IMSA 07/30/13 14:49:53

.TSF00
+        1   TIME=1100  SS=EDREGN    DAY=DAILY
+        2   TIME=0000  SS=*NONE*    DAY=DAILY
+        3   TIME=0000  SS=*NONE*    DAY=DAILY
+        4   TIME=0000  SS=*NONE*    DAY=DAILY
+        5   TIME=0000  SS=*NONE*    DAY=DAILY
```

.TSF00 command to list all the current timers that have been set.

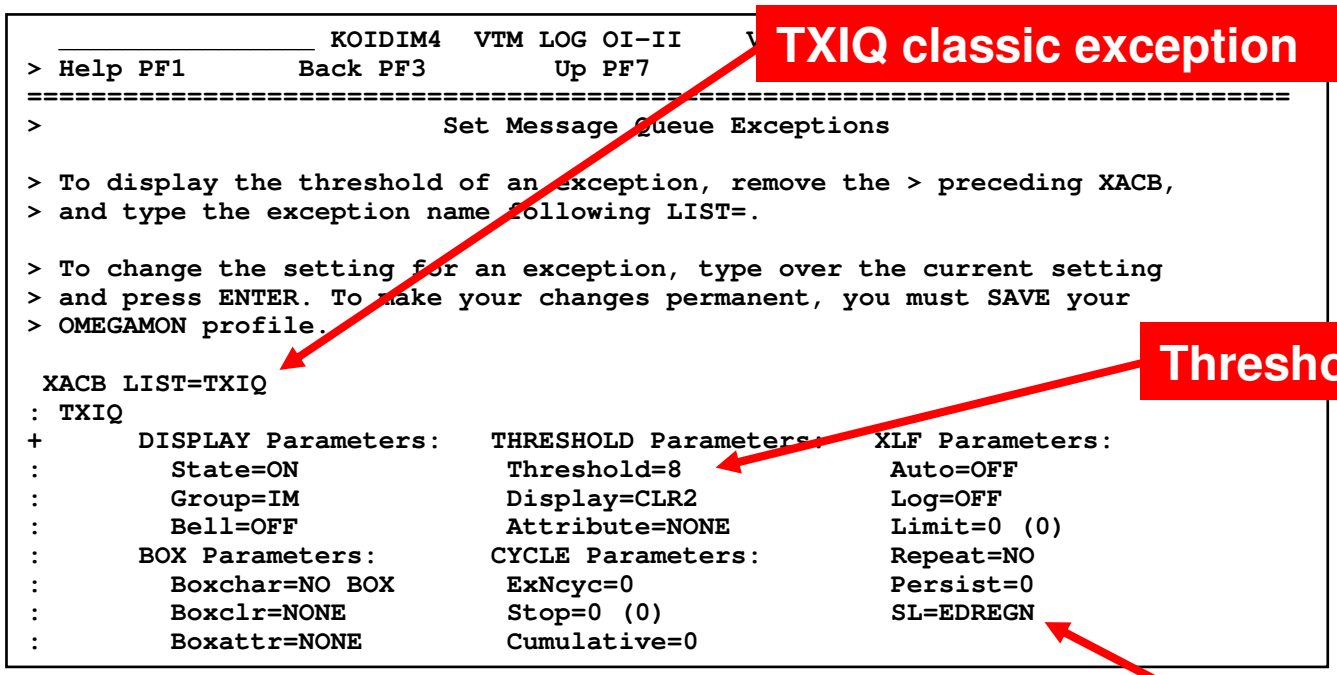
TSF Requirements

- For TSF to operate the following is needed
  - An active OMEGAMON classic session
  - OMEGAMON running in auto update mode - /AUP ON
  - TSF has been set to ON - /TSF ON
- To log the screens execute by timer the Log needs to be set to ON

```
  _________________ KOIOPEA  VTM LOG OI-II    V510./C IMSA 07/30/13 14:51:57   0B
> Help PF1                        Back PF3                        Save Profile PF22
================================================================================
>                              SET DISPLAY OPTIONS

> To change the value of an option, type the new value over the current one.
> Press ENTER to record the change.

 OPTN
:       ASF            = ON           BELL           = ON
:       BELLINT        =    60.00     DATEFORMAT     = USA
:       FIRSTSCREEN    = KOINITZZ     LOG            = ON
:       MINORCASE      = LOWER        SCREENCASE     = MIX
:       SCROLL         = PAGE         TSF            = ON
:       XLF            = ON           ZEROS          = ON

================================================================================
```

Note Log is set to ON and TSF is set to ON.

Classic Exceptions May Be Used To Drive Screens Using Classic Interface And Automated Screen Facility



TXIQ classic exception

Threshold value

Thresholds may be stored in classic profiles. Classic exceptions may be referenced by automation.

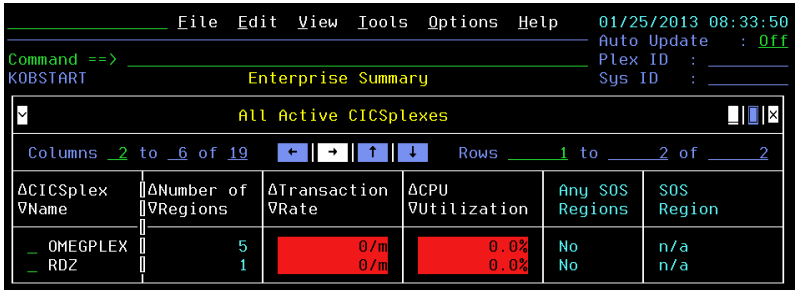
Execute screen EDREGN if exception is true

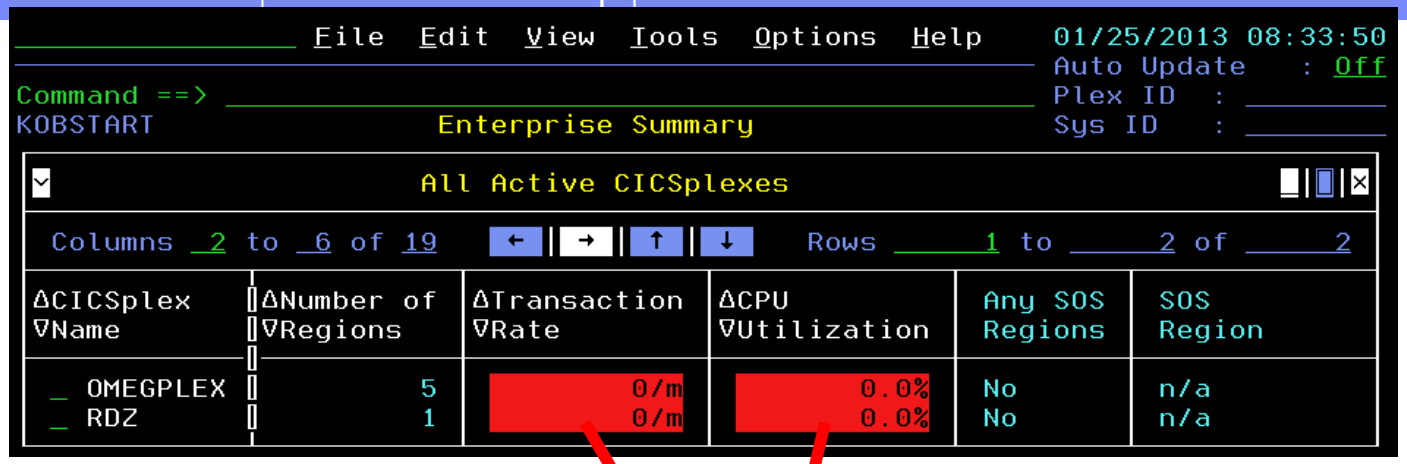
OMEGAMON
Power User - Resources And References

- OMEGAMON z/OS Classic Command Reference – SC27-4031
  - http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss?CTY=US&FNC=SRX&PBL=SC27-4031-00
- OMEGAMON IMS Classic Command Reference – SC27-4437
  - http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss?CTY=US&FNC=SRX&PBL=SC27-4437-01
- OMEGAMON DB2 Classic Command Reference -
  - http://pic.dhe.ibm.com/infocenter/tivihelp/v42r1/topic/com.ibm.omegamon.xe.pe_db2.doc_5.1.1/ko2ci_book.pdf
- OMEGAMON CICS Users Guide – SC14-7474
  - http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss?CTY=US&FNC=SRX&PBL=SC14-7474-00

OMEGAMON Enhanced 3270 UI
The Newest OMEGAMON User Interface

- All the core OMEGAMONs offer support for the Enhanced 3270 UI
  - OMEGAMON z/OS, CICS, IMS, DB2, Storage, Mainframe Networks, Messaging
- Enhanced 3270 UI offers many advantages
  - Speed of native 3270 user interface for z/OS based monitoring
  - Superior integration across the monitoring environment
  - Ease of use
- Enhanced 3270 UI power user scenarios
  - Highlighting critical thresholds of monitored fields
  - Modifying how data is displayed on a panel
  - Adding zoom navigation to a critical field
  - Adding options to popup navigation

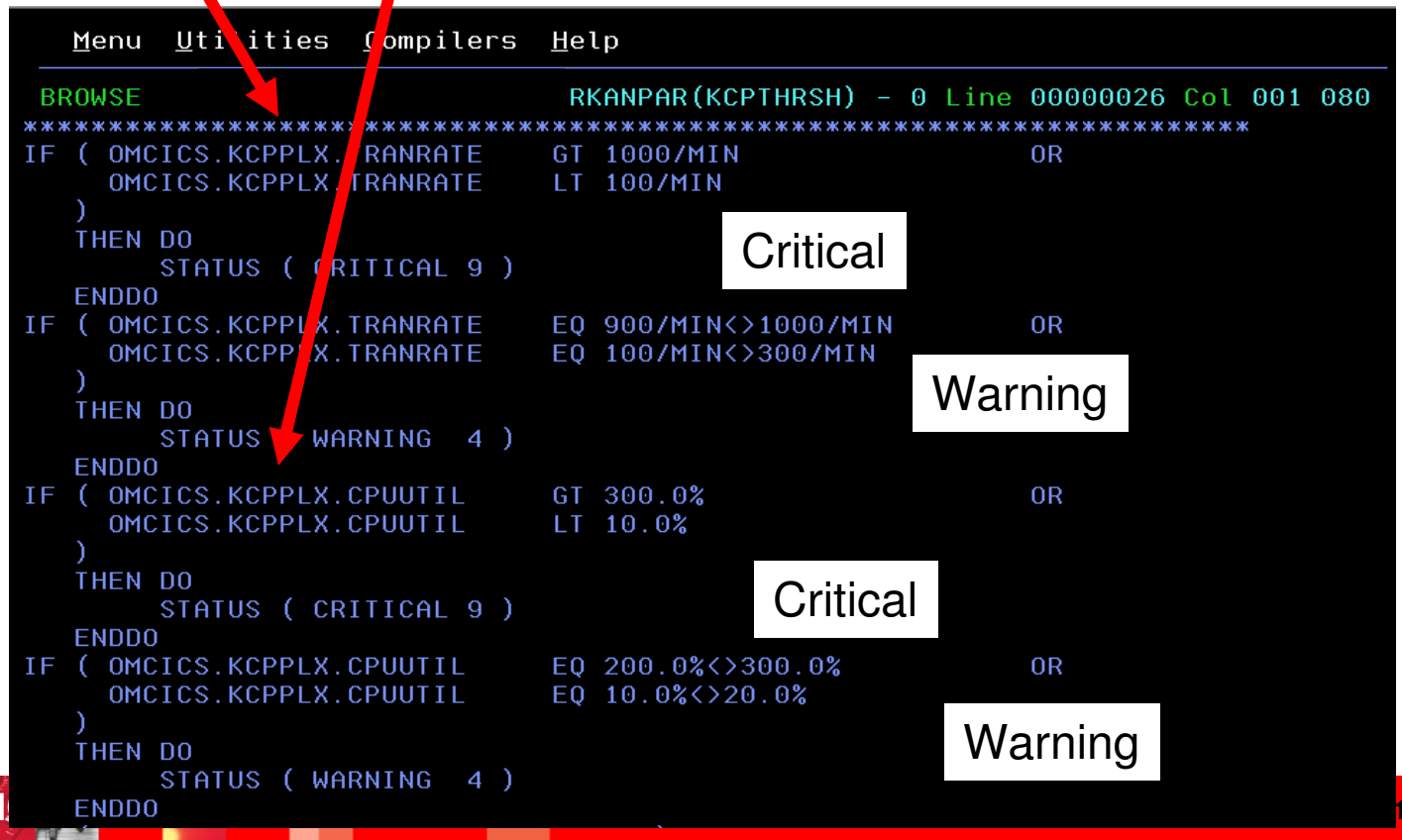




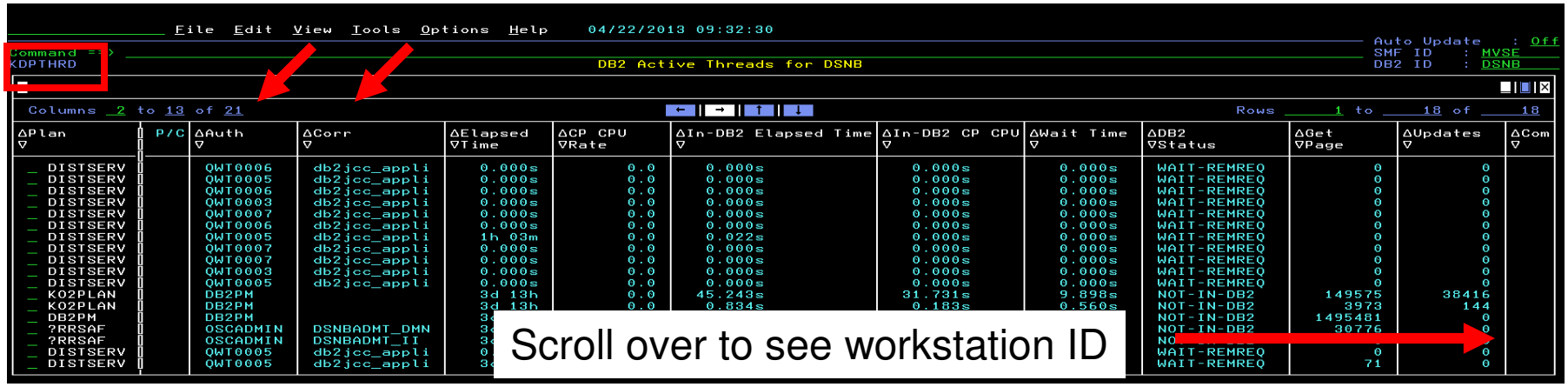
Display Fields May Be Highlighted

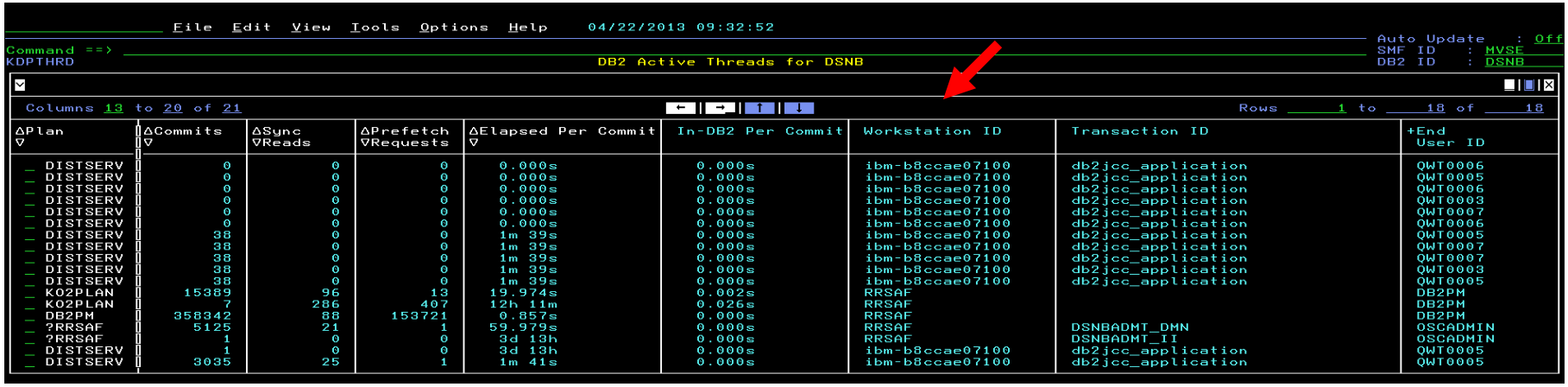
Tran rate threshold

CPU threshold



Panel Customization
Fields May Be Moved
Example - The Default OMEGAMON DB2 KDPTHRD Panel



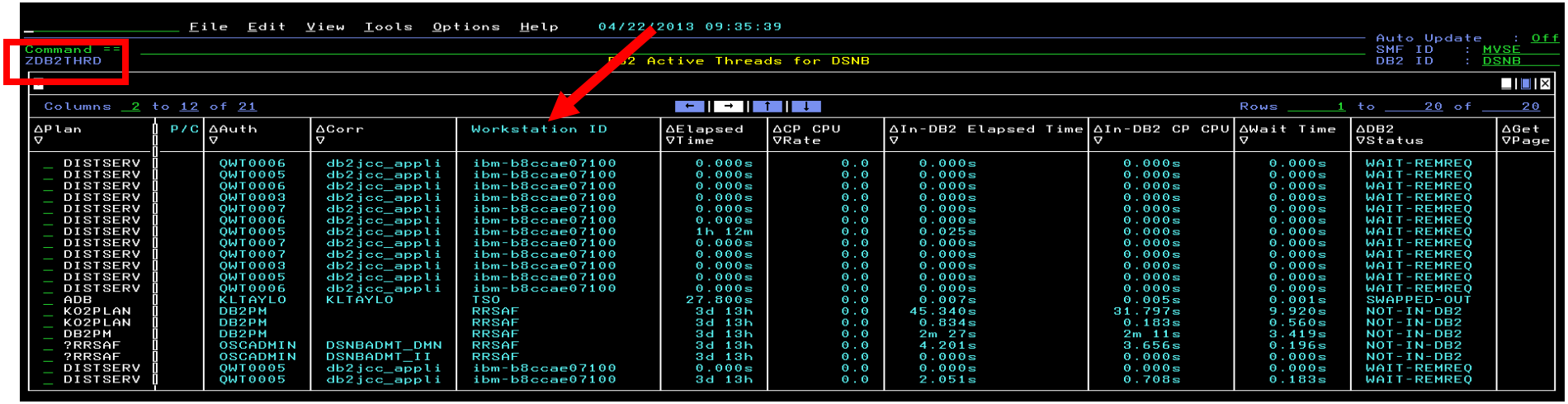


Moving The Workstation ID Column
Modify The DISPLAYCOLS Command

```
 File  Edit  Edit_Settings  Menu  Utilities  Compi
EDIT                                  KANWENU(ZDB2THRD)
000119 DISPLAYCOLS='TDIDPLAN,
000120 THDXPIND(CAPTION="P/C"),          /*@D2A*/
000121 UTDIDAUTH(CAPTION="Auth ID",W=8),          /*@
000122 TDIDCORR(CAPTION="Corr ID"),
000123 THDXETIM,
000124 THDXCPUR,                                  /*@
000125 WHNDBTIM(CAPTION="In-DB2_Elapsed_Time"),   /*@
000126 WHNDBTCT(CAPTION="In-DB2_CP_CPU"),         /*@
000127 THWTTOTW,
000128 TDIDDB2S,
000129 THDXGETP,
000130 THDXUPDT,
000131 THDXCOMT,
000132 THDXREAD,
000133 THDXPFCH,
000134 THDXELCM(CAPTION="Elapsed_Per_Commit"),
000135 THDXDBCM(CAPTION="In-DB2_Per_Commit"),
000136 TDIDWKID,                                  /*@D2A*
000137 TDIDTXID,                                  /*@D2A*
000138 TDIDEUID,                                  /*@D2A*
Command ===>
```

```
 File  Edit  Edit_Settings  Menu  Utilities  Comp
EDIT                                 UKANWENU(ZDB2THRD
000119 DISPLAYCOLS='TDIDPLAN,
000120 THDXPIND(CAPTION="P/C"),          /*@D2A*/
000121 UTDIDAUTH(CAPTION="Auth ID",W=8),          /*
000122 TDIDCORR(CAPTION="Corr ID"),
000123 TDIDWKID,                                 /*@D2A
000124 THDXETIM,
000125 THDXCPUR,                                  /*
000126 WHNDBTIM(CAPTION="In-DB2_Elapsed_Time"),   /*
000127 WHNDBTCT(CAPTION="In-DB2_CP_CPU"),         /*
000128 THWTTOTW,
000129 TDIDDB2S,
000130 THDXGETP,
000131 THDXUPDT,
000132 THDXCOMT,
000133 THDXREAD,
000134 THDXPFCH,
000135 THDXELCM(CAPTION="Elapsed_Per_Commit"),
000136 THDXDBCM(CAPTION="In-DB2_Per_Commit"),
000137 TDIDTXID,                                 /*@D2A
000138 TDIDEUID,                                 /*@D2A
Command ===>
```

The Newly Updated Panel



The Workstation ID column has been moved to the front of the panel

Note – In this example a new panel (ZDB2THRD) was created versus changing the product provided KIPTHRD panel

Another Example
Using ZOOMCOLS To Add Drill Down Support

File Edit View Tools Options Help 05/08/2013 08:31:12

Command ==>
ZIMS

IMS Health

IMS System Health for IMS IMSA

Columns 2 to 11 of 11

◊IMS ID	MVS ID	ENQ Rate	DEQ Rate	Tran Queue	Lock Waiters	Longest Lock	Dep Regions	CPU Percent	I/O Rate	Paging Rate
_ IMSA	MVSE	0.00	0.00	13	0	0.000s	2	0.00%	0.00	0.00

File Edit View Tools Options Help 05/0[illegible]/2013 08:33:09

Command ==>
KIPDEPS

IMS Dependent Regions

All Dependent Regions for IMS IMSA

Columns 2 to 13 of 23

ΔRegion ∇Name	ΔIMS ∇ID	Region Type	ΔTran ∇Name	Region Status	ΔRegion ∇Occupancy	ΔRegion ∇ID	ΔPSB ∇Name	ΔElapsed ∇Tran Time	Δ ∇
_ IMSAMSG1	IMSA	Message		Idle	0.00%	2		N/A	
_ IMSAMSG2	IMSA	Message		Idle	0.00%	1		N/A	

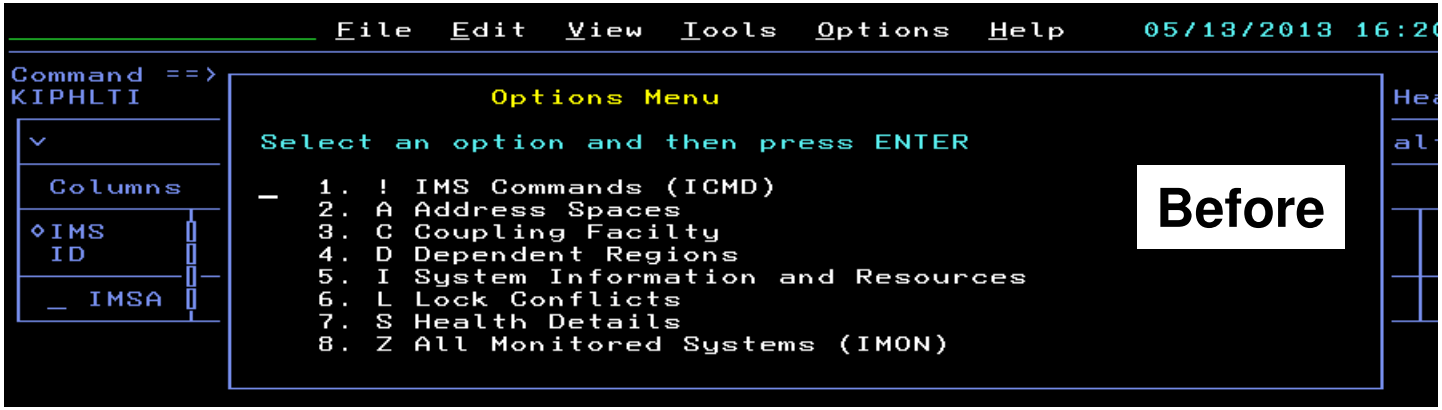
How To Add ZOOMCOLS Support To A Field

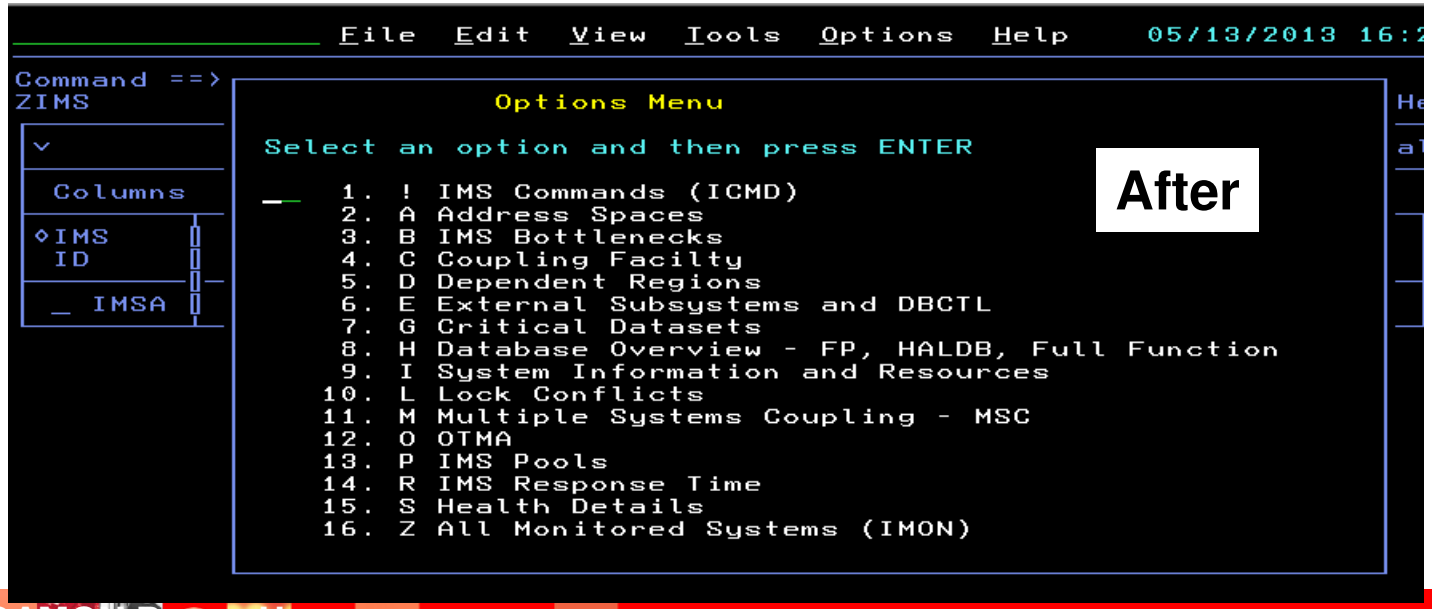
```
 File  Edit  Edit_Settings  Menu  Utilities  Compilers  Test  Help
EDIT                          UKANWENU(ZIMS) - 01.12     Columns 00001 00072
000046 DISPLAYCOLS='IMSID,
000047 MVSID(CAPTION="MVS\ID"),
000048 ENQRATE(CAPTION="ENQ\Rate"),
000049 DEQRATE(CAPTION="DEQ\Rate"),
000050 TRANQUEUE(CAPTION="Tran\Queue"),
000051 LOCKWAIT(ALIGNRIGHT,CAPTION="Lock\Waiters"),
000052 LOCKELAP(ALIGNRIGHT,CAPTION="Longest\Lock"),
000053 REGCOUNT(ALIGNRIGHT,CAPTION="Dep\Regions"),
000054 TOTCPU(CAPTION="CPU\Percent",PERCENT),
000055 IORATE(CAPTION="I/O\Rate"),
000056 PAGERATE(CAPTION="Paging\Rate")'
000057 ZOOMCOLS='ENQRATE(KIPDEPS),DEQRATE(KIPDEPS),
000058 TRANQUEUE(KIPTRNS),LOCKWAIT(KIPLLKS),LOCKELAP(KIPLLKS),
000059 REGCOUNT(KIPDEPS),TOTCPU(KIPADRS),IORATE(KIPADRS),PAGERATE(KIPADRS)'
000060 KEYCOLS='IMSID, MVSID, LOCKWAIT, LOCKWAITPI, DSGROUP, PLEXNAME,
000061 IMSPLXNM, LOCKWAITIR, SQGROUP'
000062 ACTION=IMSID(!,"IMS Commands (ICMD)",KIPCMD)
000063 ACTION=IMSID(A,"Address Spaces",KIPADRS)
000064 ACTION=IMSID(B,"IMS Bottlenecks",ZIMSBTLP)
000065 ACTION=MVSID(C,"Coupling Facilty",KIPCFS10)
Command ===>                                              Scroll ===> PAGE
```

Add after DISPLAYCOLS

Specify the field and the destination panel

Another Example
Adding Navigation Options To A Popup





Adding Popup Navigation Options

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------
 BROWSE                          UKANWENU(ZIMS)        Line 00000060 Col 001 080
KEYCOLS='IMSID, MVSID, LOCKWAIT, LOCKWAITPI, DSGROUP, PLEXNAME,
IMSPLXNM, LOCKWAITIR, SQGROUP'
ACTION=IMSID(!,"IMS Commands (ICMD)",KIPCMD)
ACTION=IMSID(A,"Address Spaces",KIPADRS)
ACTION=IMSID(B,"IMS Bottlenecks",ZIMSBTLP)
ACTION=MVSID(C,"Coupling Facilty",KIPCFS10)
ACTION=IMSID(D,"Dependent Regions",KIPDEPS)
ACTION=IMSID(E,"External Subsystems and DBCTL",ZIMSEXT)
ACTION=IMSID(G,"Critical Datasets",ZIMSDSN)
ACTION=IMSID(H,"Database Overview - FP, HALDB, Full Function",ZIMSDB)
ACTION=IMSID(I,"System Information and Resources",KIPRESPU)
ACTION=IMSID(L,"Lock Conflicts",KIPLOK10)
ACTION=IMSID(M,"Multiple Systems Coupling - MSC",ZIMSMSC)
ACTION=IMSID(O,"OTMA",ZIMSOTMA)
ACTION=IMSID(P,"IMS Pools",ZIMSPOOL)
ACTION=IMSID(R,"IMS Response Time",ZIMSRTA)
ACTION=IMSID(S,"Health Details",KIPHLTD,DEFAULT)
ACTION=IMSID(Z,"All Monitored Systems (IMON)",KIPMONS)
<ONACTION>
SET ZOMEGNAV1=&IMSPLXNM
 Command ===>                                          Scroll ===> PAGE
```

Each line represents an option in the popup

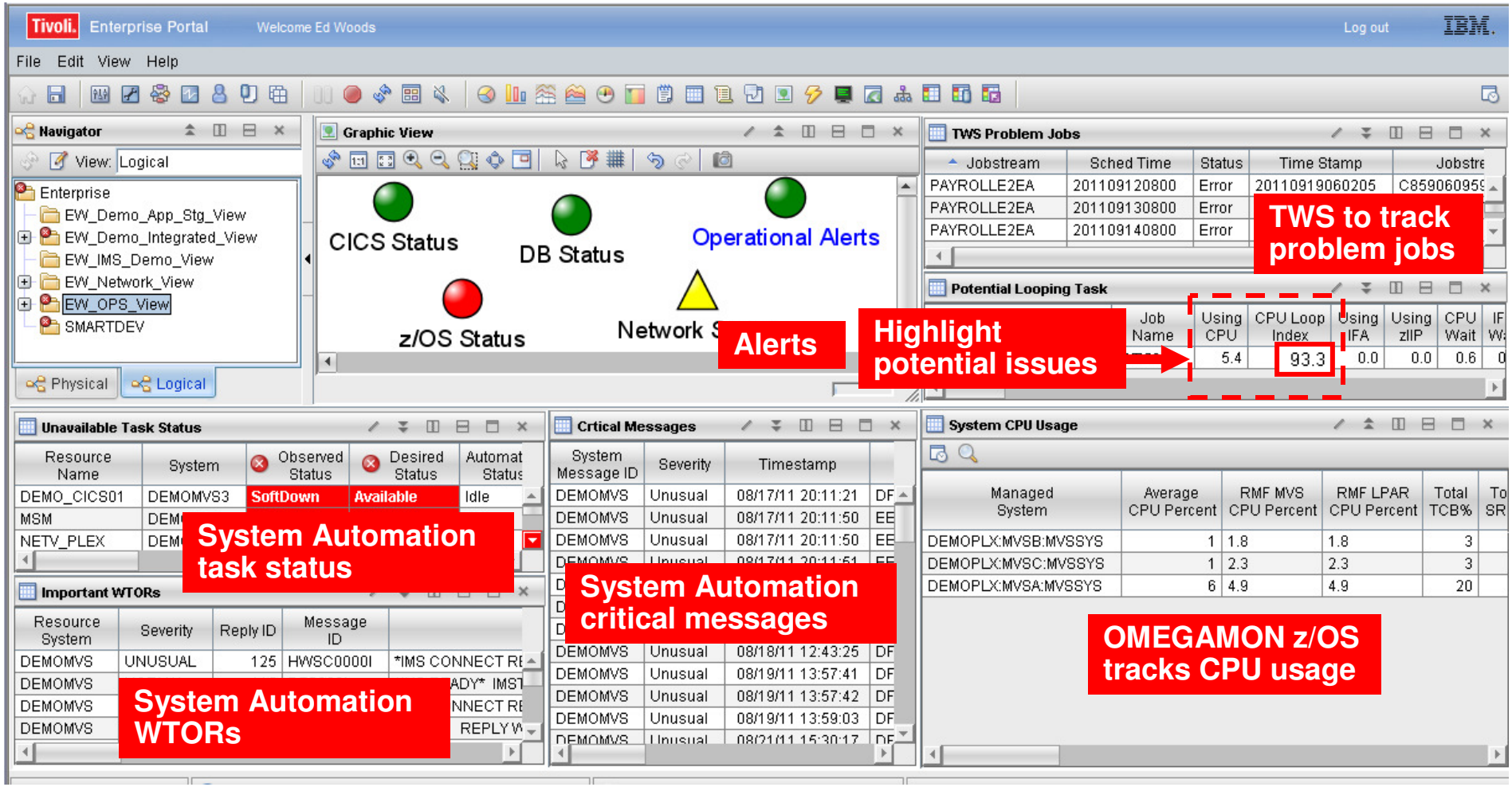
OMEGAMON
Power User - Resources And References

- Enhanced 3270 Interface Guide - SC22-5426-00
  - http://pic.dhe.ibm.com/infocenter/tivihelp/v15r1/index.jsp?topic=%2Fcom.ibm.omegamon_share.doc_623fp1%2Fsource%2Fe3270%2Fe3270_interface.htm
- Other resources
  - Ed Woods' blog - many examples of e3270ui customization
    - http://Tivoliwithaz.blogspot.com

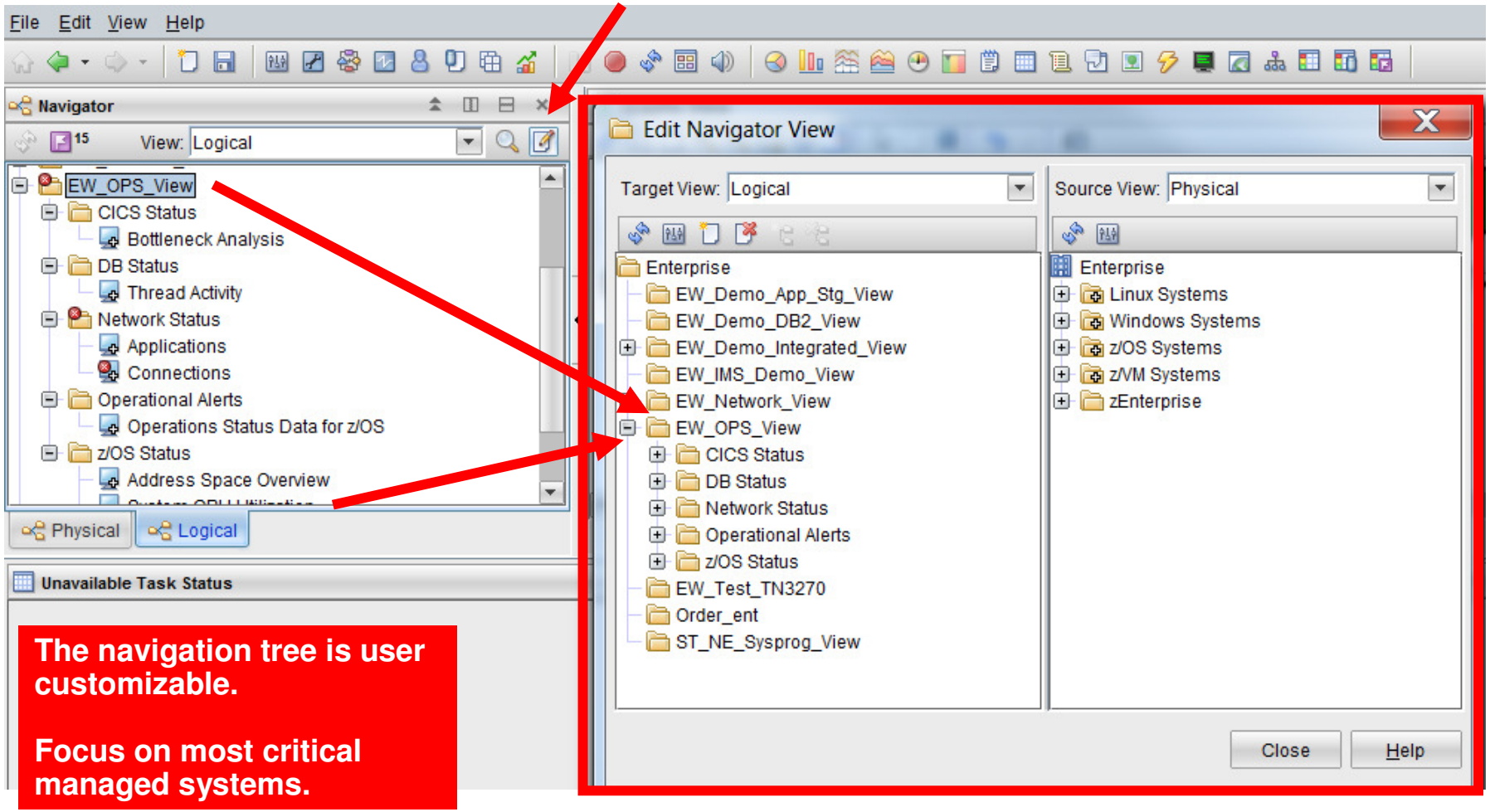
Tivoli Enterprise Portal – The TEP Power User Considerations

- The “TEP” is the GUI interface for OMEGAMON monitoring
  - All the core OMEGAMONs offer support for the TEP
  - Critical systems managements tools offer support for the TEP
    - System Automation, NetView, Tivoli Workload Scheduler
    - IBM distributed monitoring (ITM) exploits the TEP
- The “TEP” provides powerful functions and capabilities
  - Flexible and customizable
- Typical TEP interface power user scenarios
  - Integrated systems management dashboard view
  - Integrated performance automation
  - Historical trending
    - Real time and history with graphics

Leverage OMEGAMON As Part Of An Integrated Dashboard Monitoring Strategy



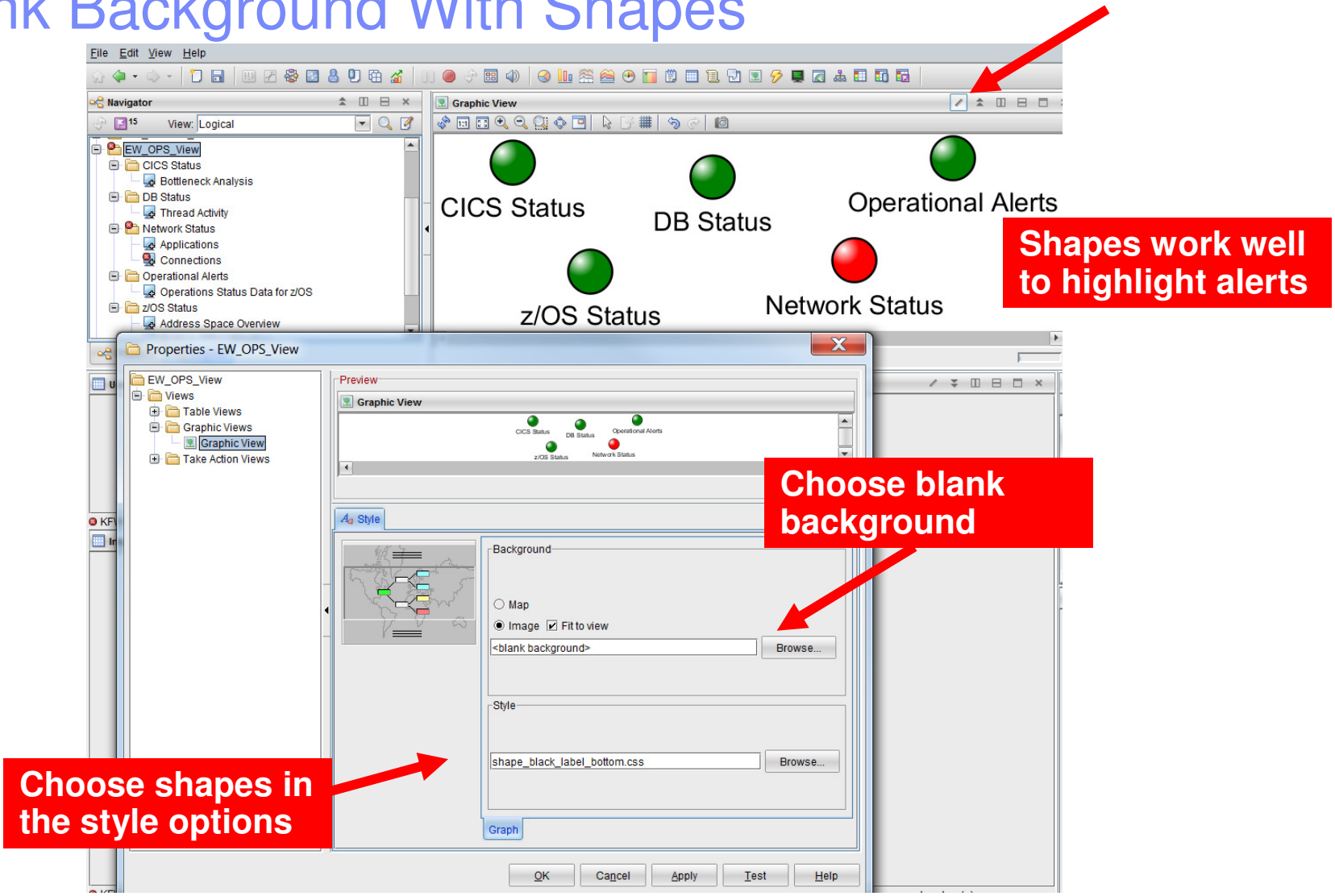
Using TEP To Build A Dashboard
The Navigation Tree Is Customizable



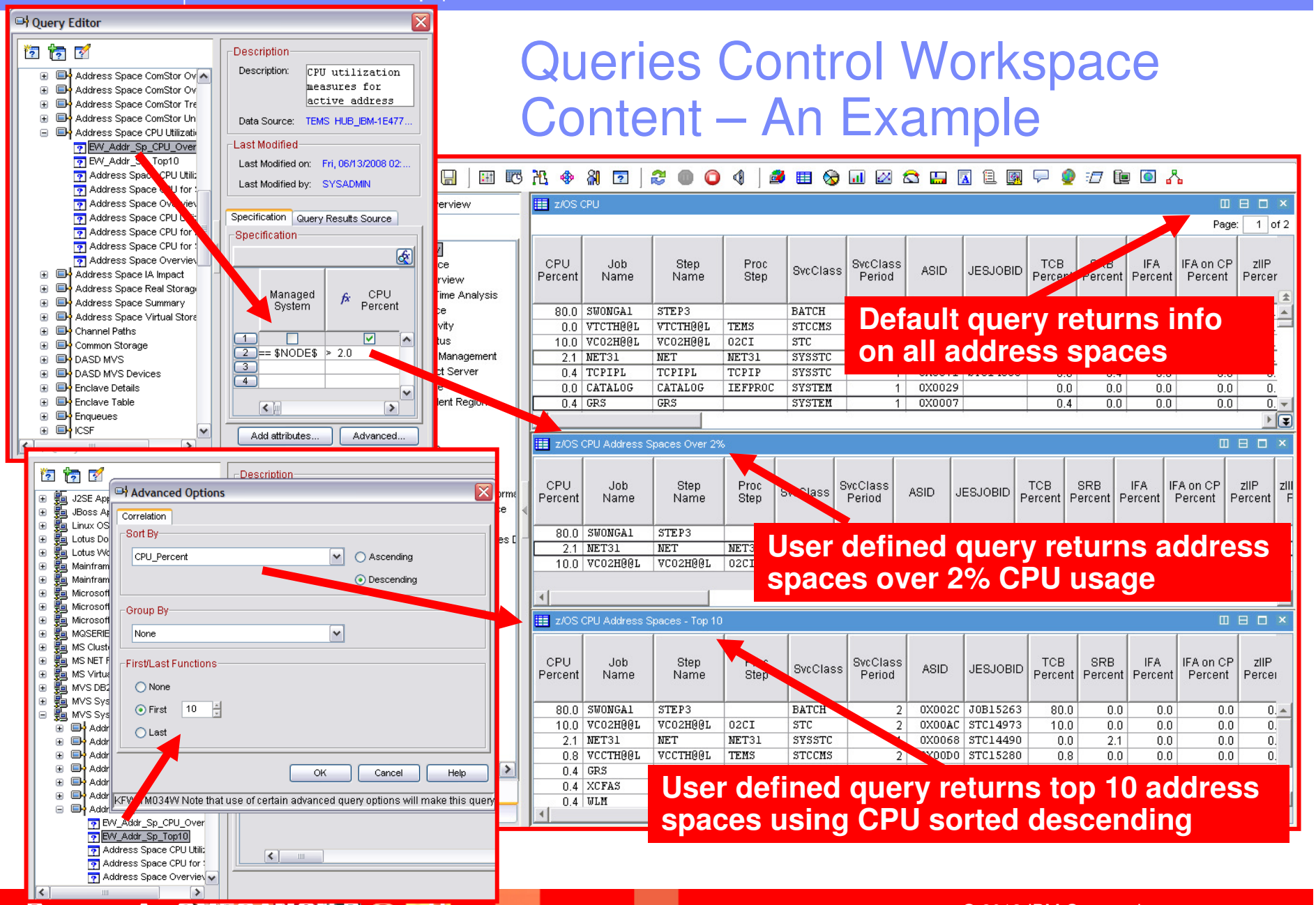
The navigation tree is user customizable.

Focus on most critical managed systems.

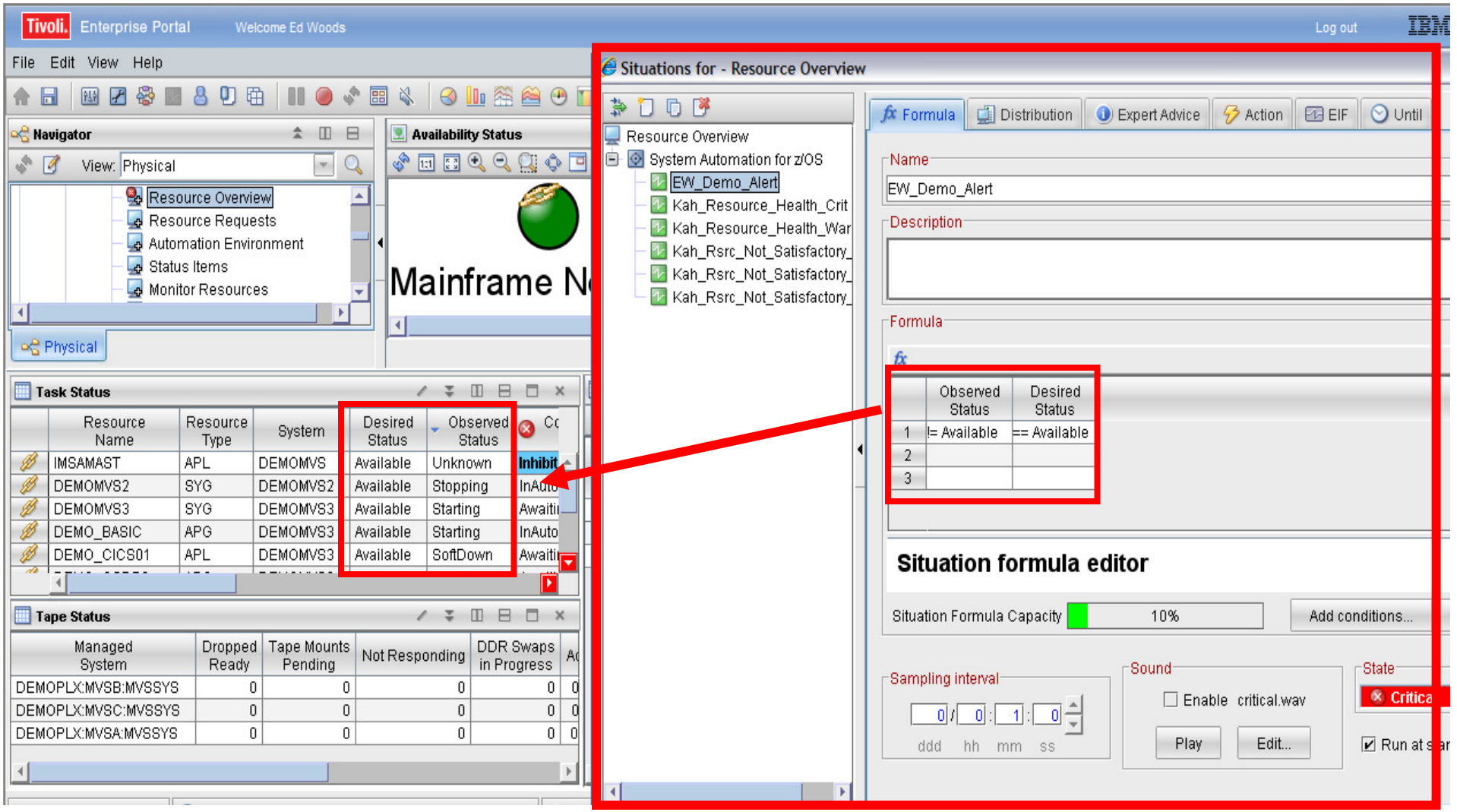
Graphics View
Blank Background With Shapes



Queries Control Workspace Content – An Example



Exploit Filter Options To Add Detail
Example – Add System Automation To The Dashboard



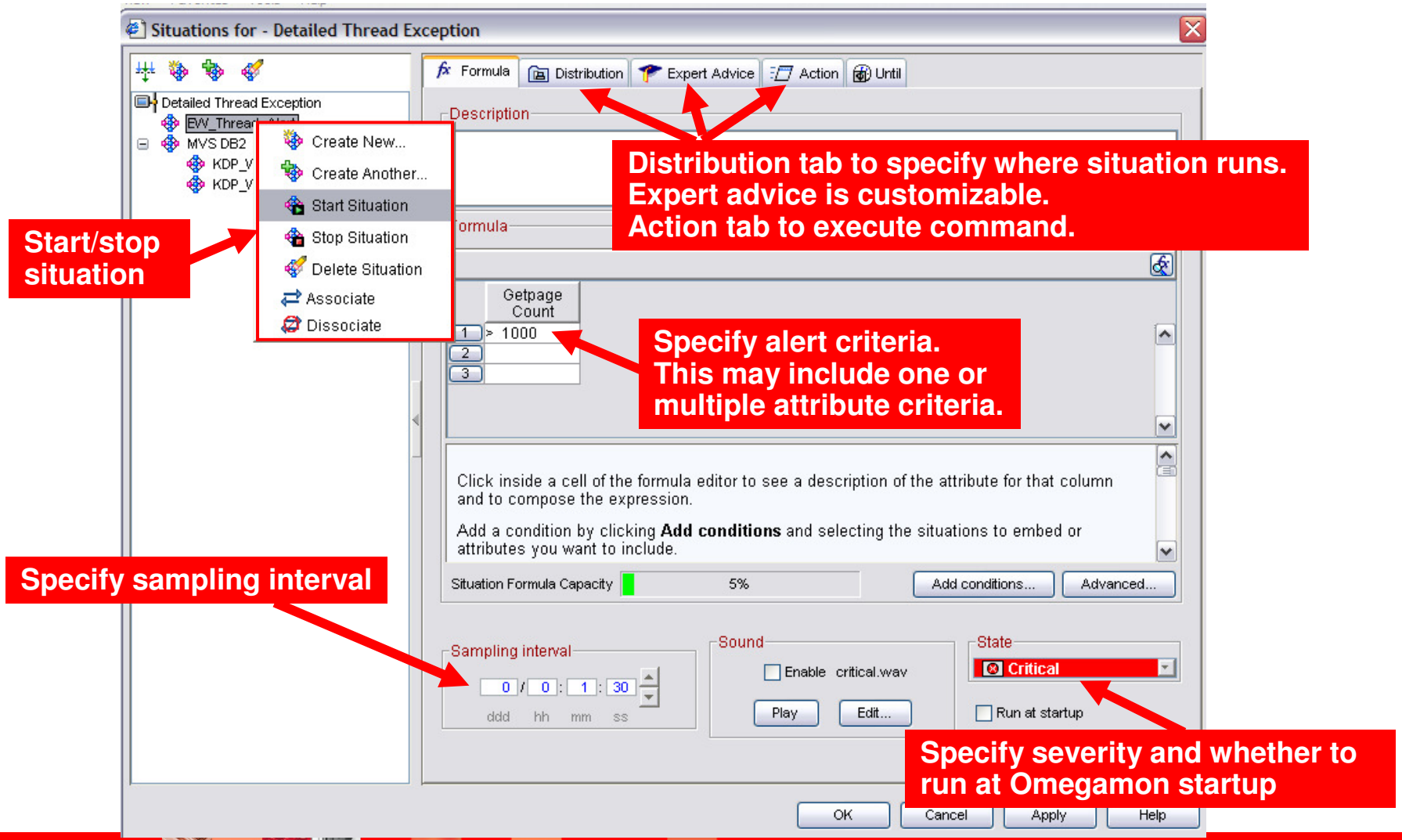
Tivoli Enterprise Portal
Performance Automation Integrated Within The Portal

- The Portal provides manual commands and corrections
  - 'Take Action' provides for manual command capability
  - Commands may be predefined
- The Portal enables automated commands and corrections
  - Implement machine speed corrective actions, issue alerts, and allow for later human intervention
  - Use for automated commands for dynamic subsystem management and 'tweaks' as the workload and system changes
  - Two core types of automated actions
    - ***Situations*** - Use for simple "fire and forget" type of scenarios
    - ***Policies*** – Use for more sophisticated performance automation scenarios

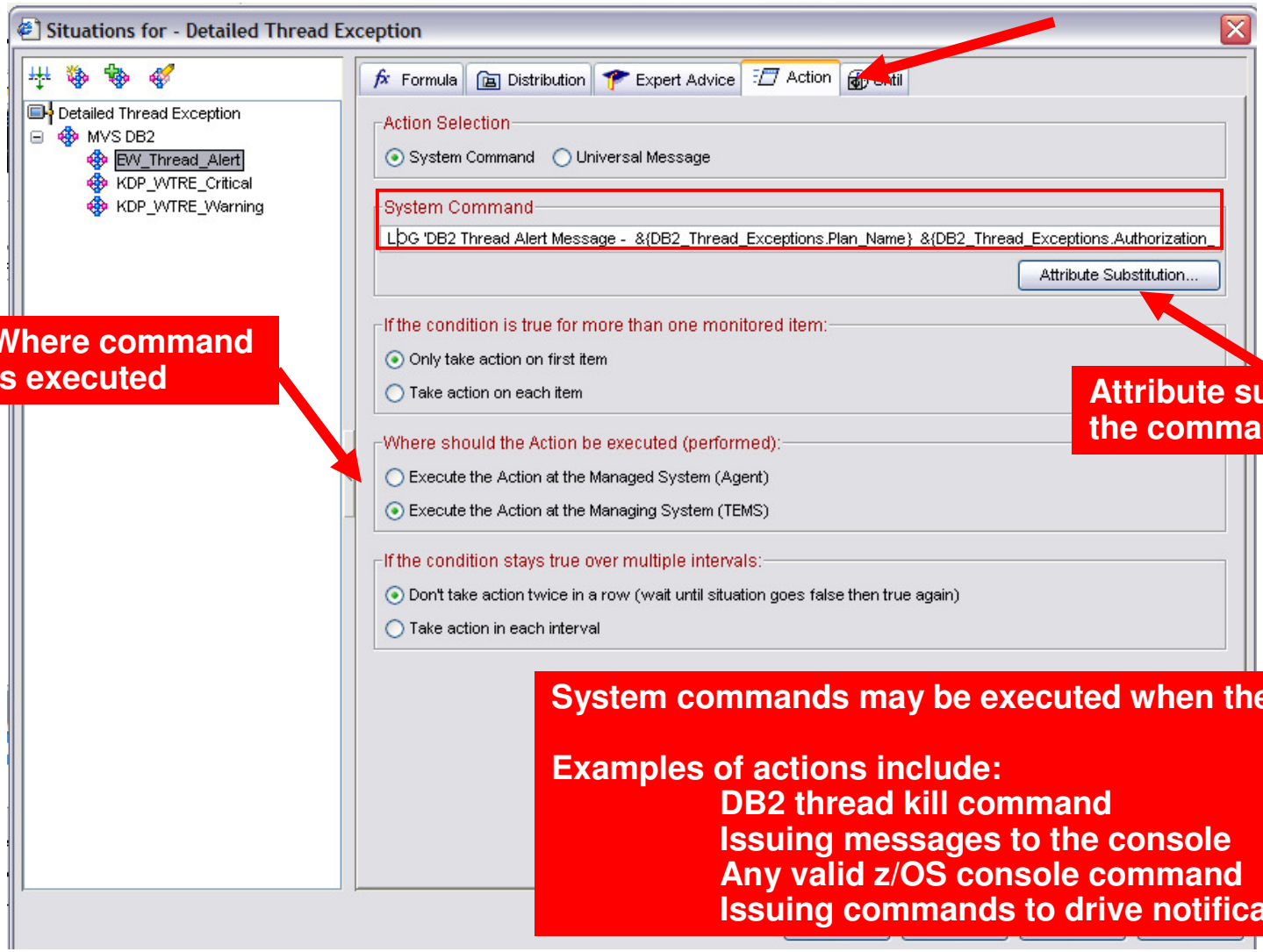
About Situations And Policies

- Situations are the building blocks of systems management logic in the Tivoli Enterprise Portal (TEP)
  - Situations may be used to highlight performance and availability problems within key operating systems, subsystems, and mission critical resources
  - Situation logic may be distributed to the agent (IRA architecture)
    - Situations typically run at the level of the agent (TEMA)
- Policies extend concepts established with situations and add additional functionality to the TEP
  - Situations remain the essential starting point
  - Policies add additional function and flexibility
  - Note - Policies run within the TEMS infrastructure

Situations - A Basic Example
Alert On DB2 Threads With More Than 'n' Getpages



Situations
'Action' To Perform Commands And Corrections



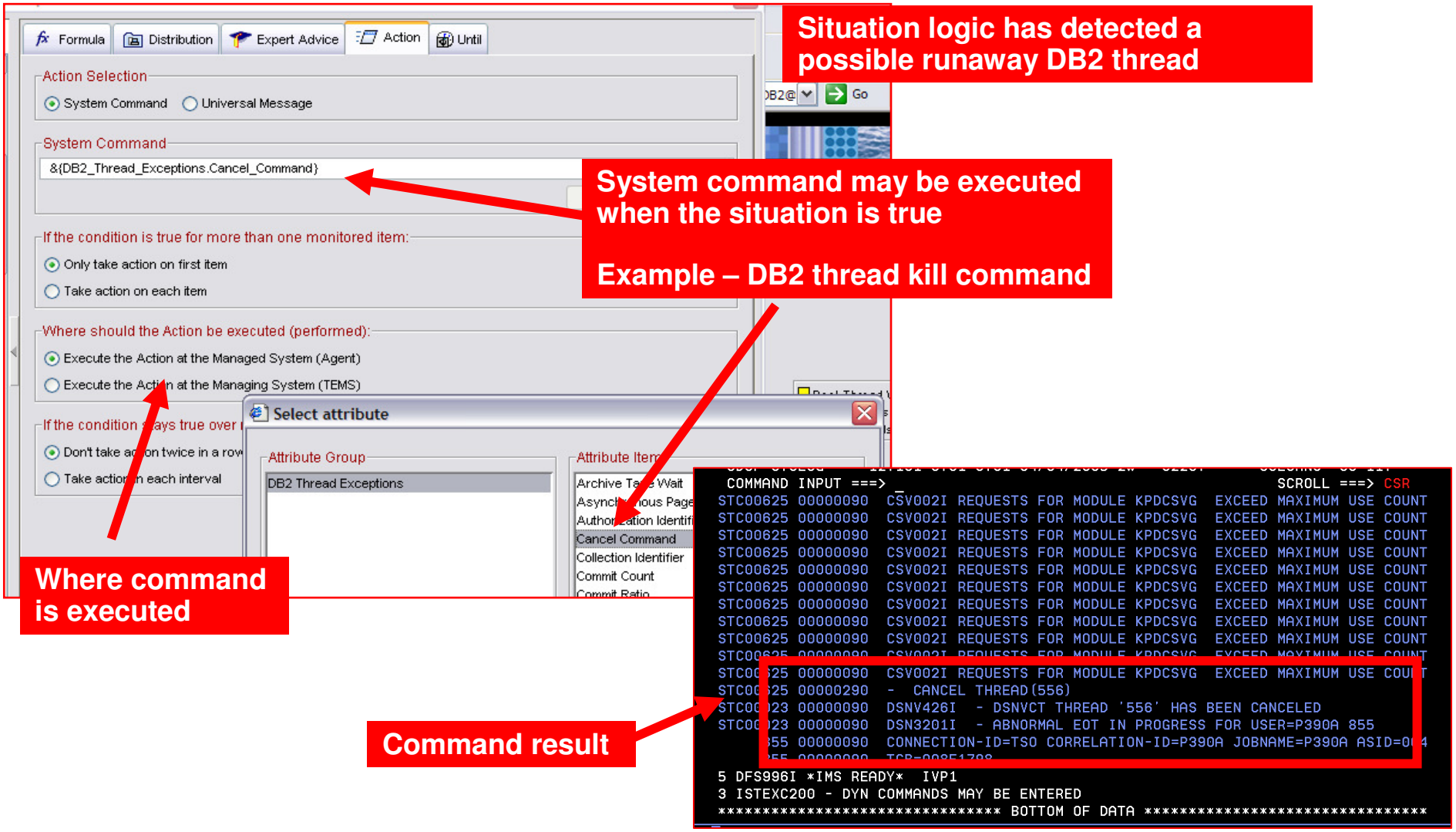
Where command is executed

Attribute substitution in the command line

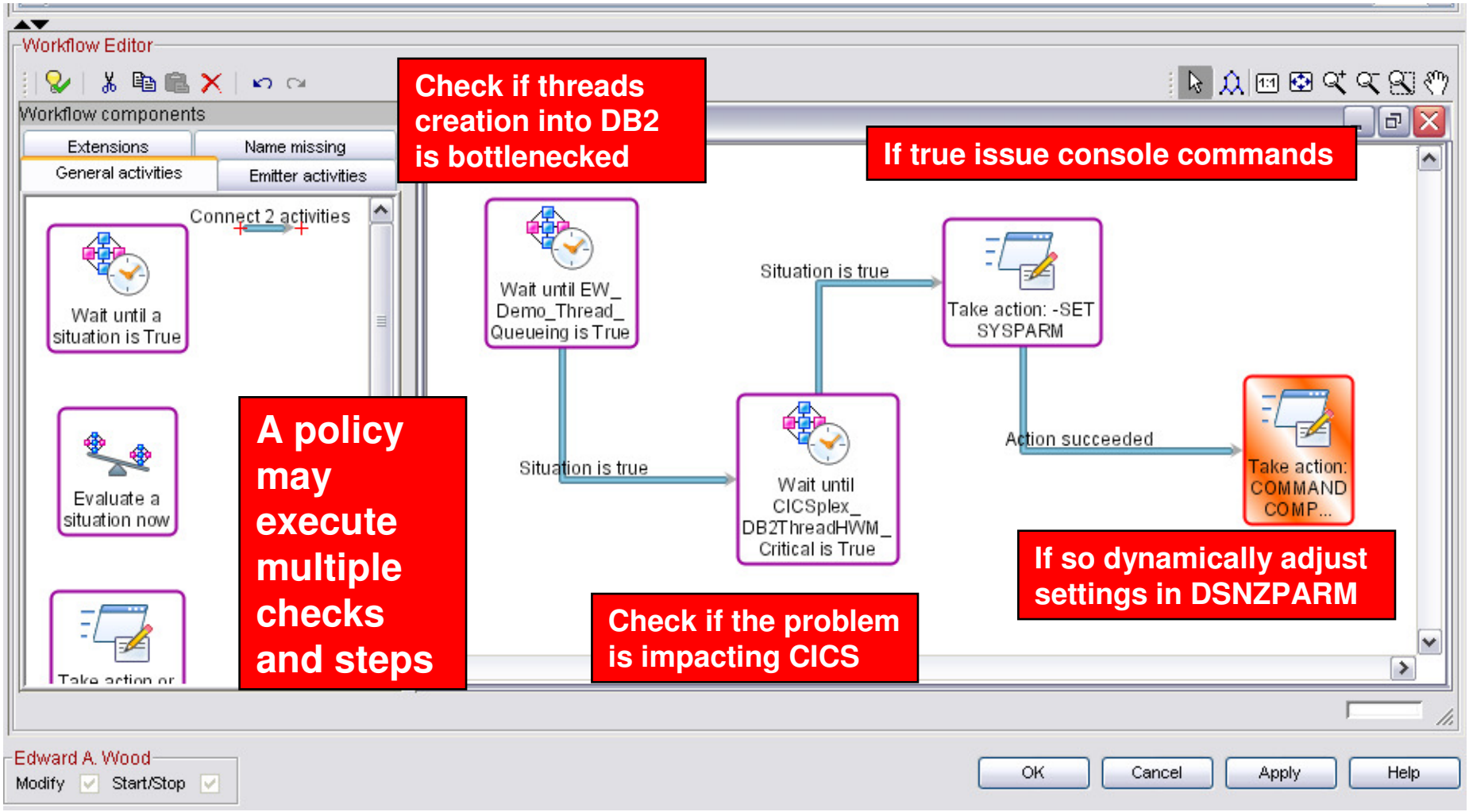
System commands may be executed when the situation is true

Examples of actions include:
- **DB2 thread kill command**
- **Issuing messages to the console**
- **Any valid z/OS console command**
- **Issuing commands to drive notification**

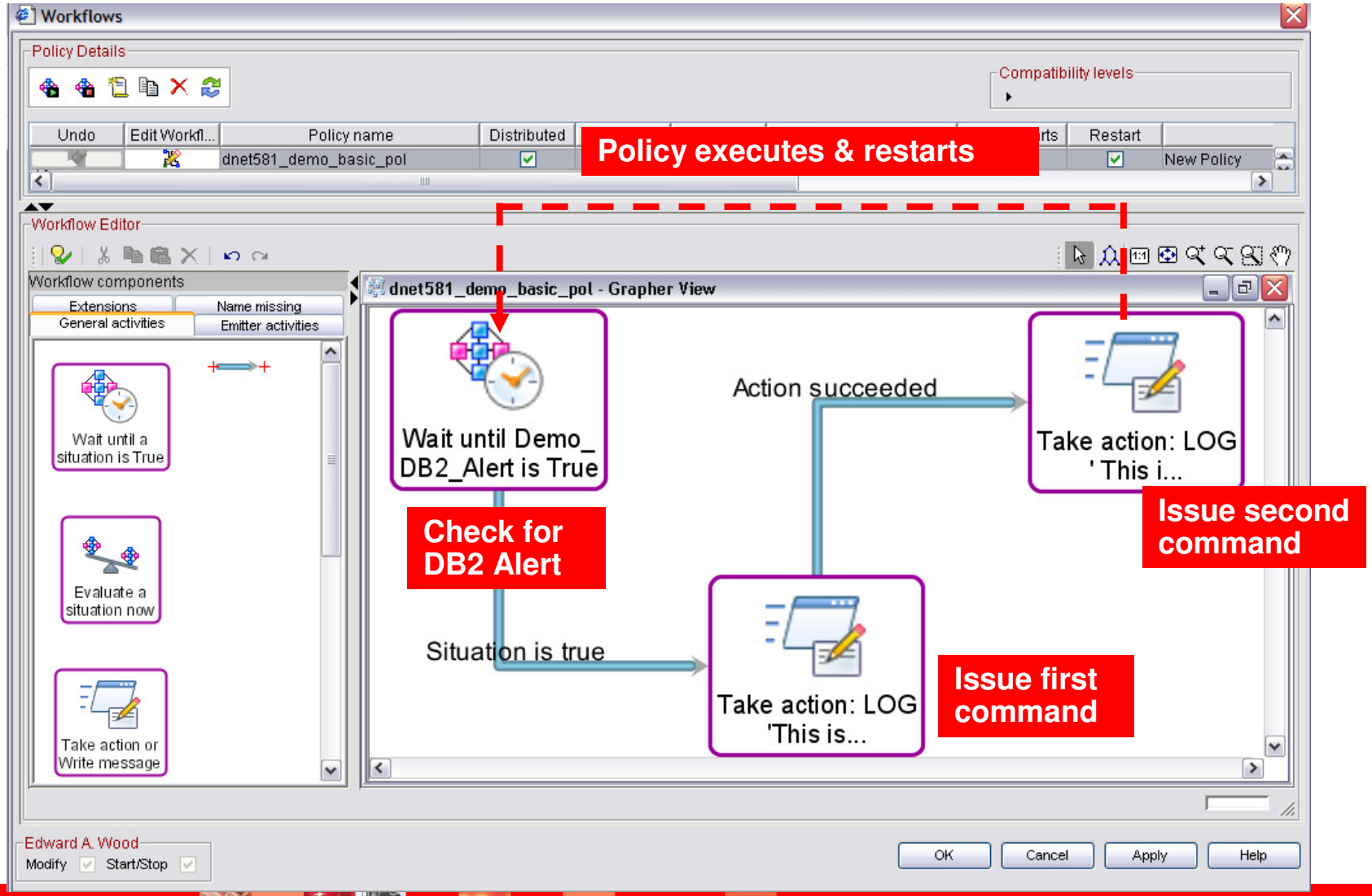
An OMEGAMON DB2 Situation Example Addressing A "Runaway" DB2 Thread



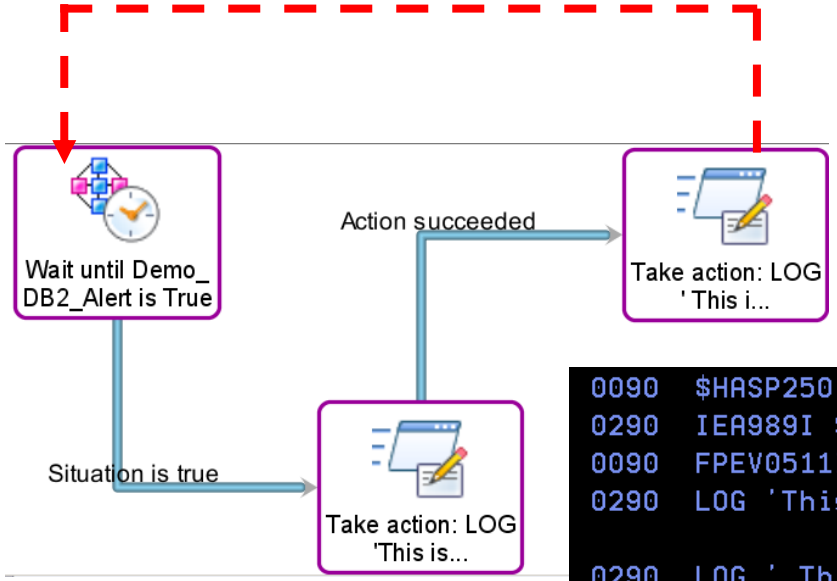
Policies Expand The Concept Of Automated Performance Management



Basic Policy - Example Scenario
Have A Situation Trigger Multiple Commands



Policy Command Execution



In the example the policy will:

Check the situation status
Execute the first command
Execute the second command
Restart

```
0090  $HASP250 DNET145 PURGED -- (JOB KEY WAS C1C5C854)
0290  IEA989I SLIP TRAP ID=X33E MATCHED.  JOBNAME
0090  FPEV0511I  DSNB HISTORY DATA SET WRAPPED, 4272 INTERVALS STORED
0290  LOG 'This is a test message - DB2 message ADHPLAN3'

0290  LOG ' This is a second test message'

0290
0290  IEA989I SLIP TRAP ID=X33E MATCHED.  JOBNAME=
0290  LOGON
0290  LOG 'This is a test message - DB2 message ADHPLAN3'

0290  LOG ' This is a second test message'

0281  $HASP100 DNET581  ON TSOINRDR
0090  $HASP373 DNET581  STARTED
0090  IEF125I DNET581 - LOGGED ON - TIME=10.06.27
```

First command

Second command

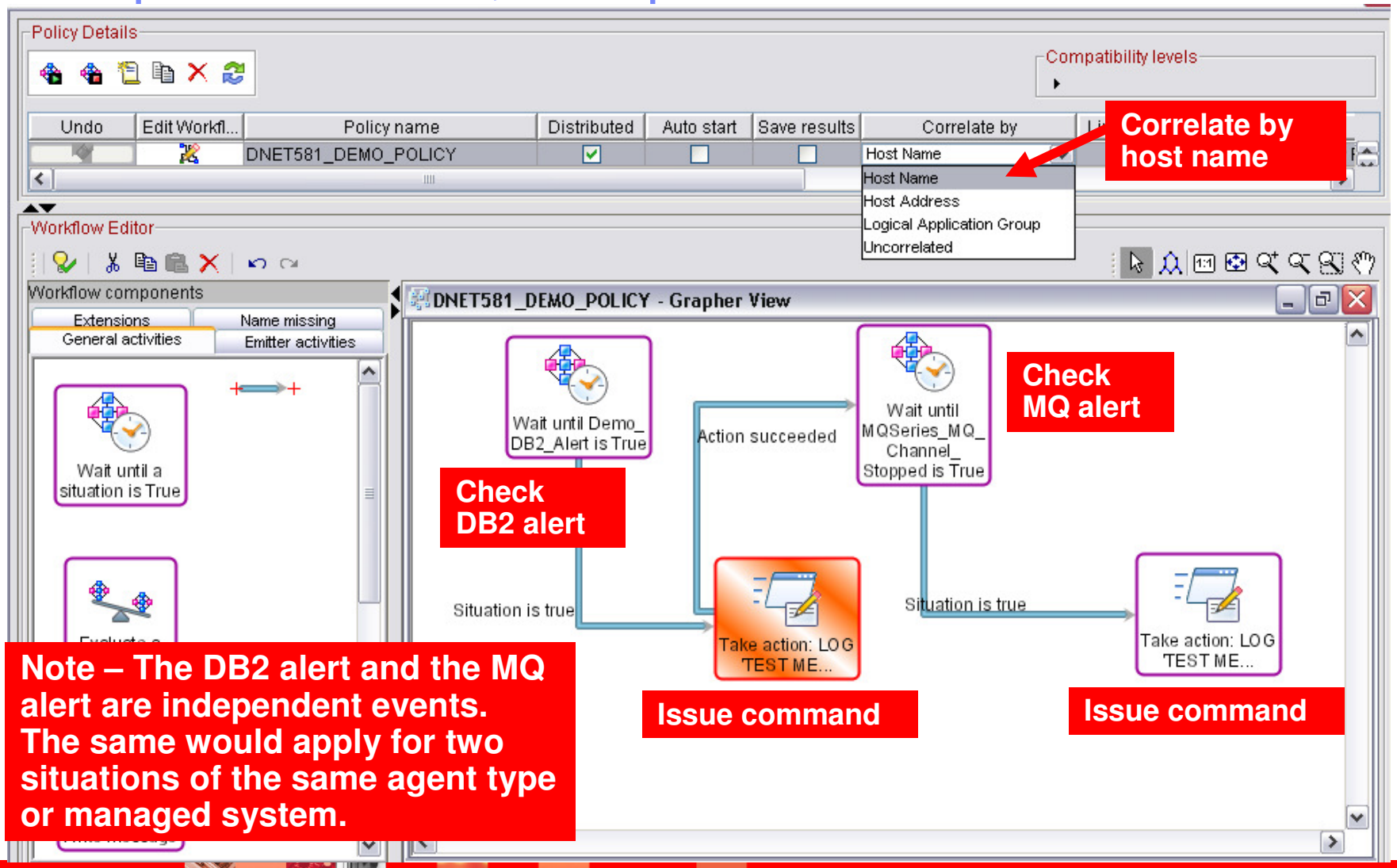
Restart

First command

Second command

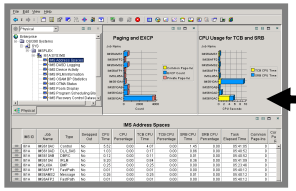
Note – The interval of the situation will have an impact on the duration of the policy

Policy Example
Multiple Situations, Multiple Commands



Policies Require An Understanding Of The Monitoring Infrastructure

Distribution of policies requires a more complete understanding of the monitoring topology
- **What agents?**
- **Agents on what platforms?**
- **What TEMS?**
- **TEMS on what platforms?**



Portal Server
TEPS

TEMS
Remote

Windows
ITM TEMA

UNIX
ITM TEMA

Linux
ITM TEMA

OMEGAMON
TEMA

TEMS
HUB

OMEGAMON
TEMA

z/OS

TEMS
Remote

OMEGAMON
TEMA

OMEGAMON
TEMA

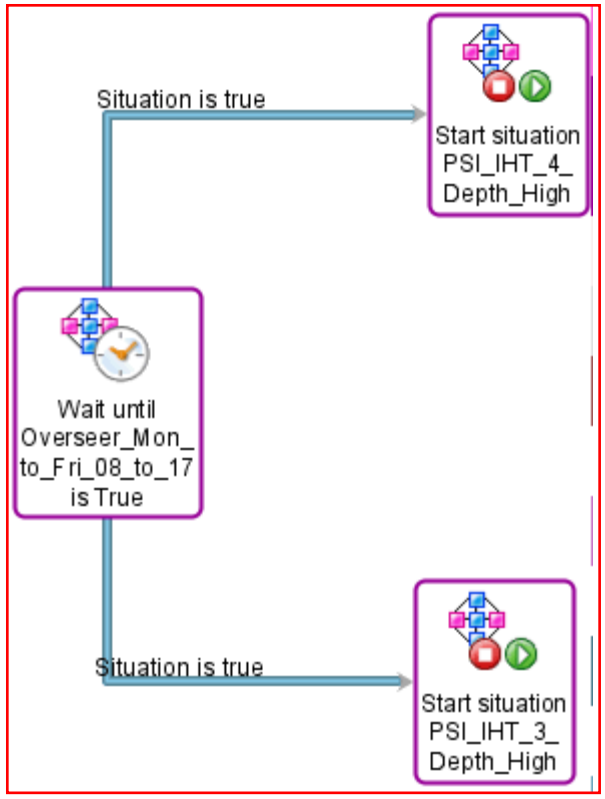
z/OS

Recommendations And Best Practices
Situations And Policies
What They Are And What They Are Not

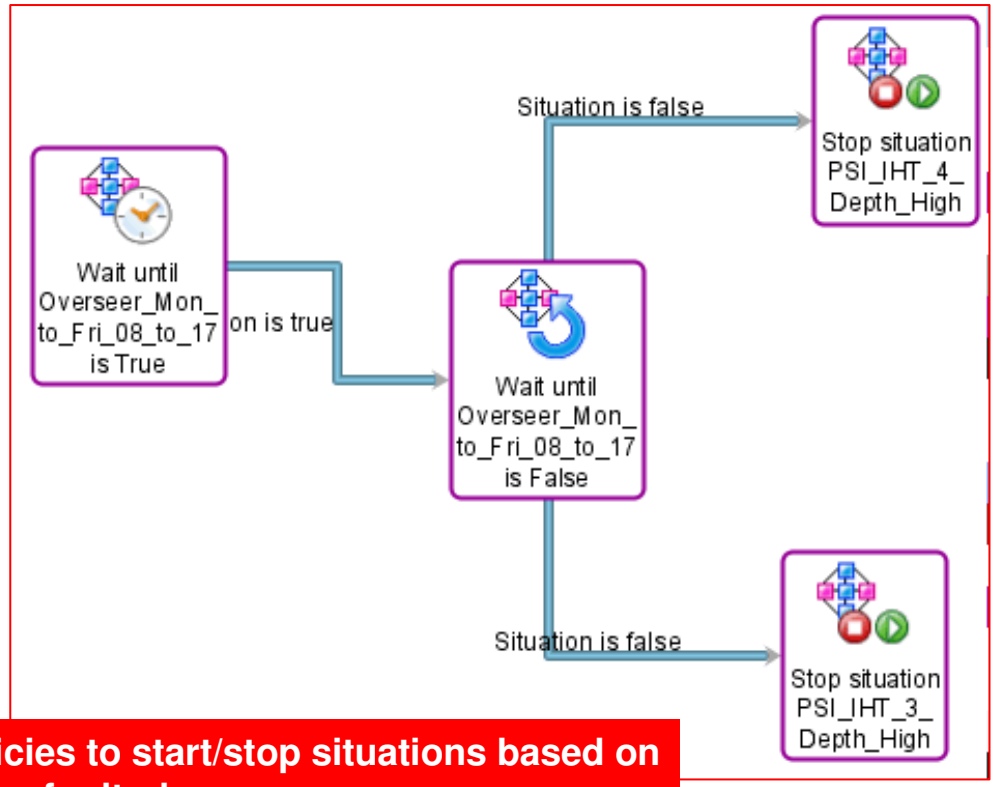
- ***Situations And Policies – What they are***
  - Situations are the core alert building block of Tivoli monitoring
  - Policies extend concepts established with situations and add additional functionality to the TEP
  - Policies expand the integrated command and control capabilities of the TEP
    - Situations remain the essential starting point
  - Policies add additional function and flexibility to situation capabilities
- ***Situations And Policies – What they are not***
  - The command capabilities of situations and policies are not a substitute for a full function automation engine such as IBM System Automation
    - Use situations and/or policies for basic detection and command/correction scenarios
    - Use situations and/or policies to drive SA automation execs when needed
    - For more detailed scripts (such as REXX) and analysis use System Automation

Example - Using A Policy To Manage Situations Based Upon Time Of Day Requirements

Overseer policy to start situations



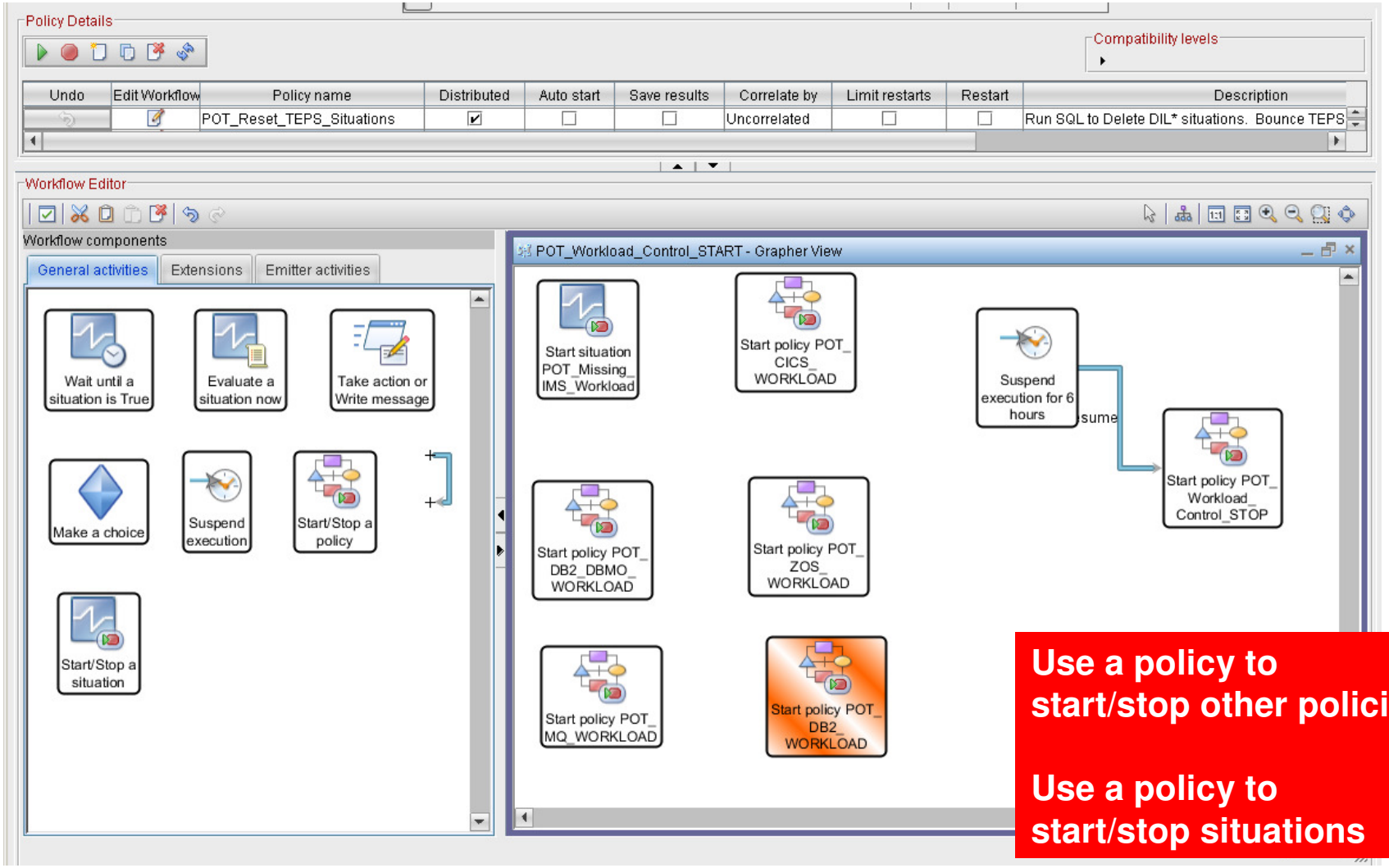
Overseer policy to stop situations



Use policies to start/stop situations based on a variety of criteria

- **Time of day**
- **Start specific analysis situations**
- **and more…..**

Another Example
Using Policies To Manage The OMEGAMON PoT Workload



OMEGAMON
Power User - Resources And References

- Other relevant OMEGAMON presentations
  - Top 10 Problem Solving Scenarios Using IBM OMEGAMON and the Tivoli Enterprise Portal
    ftp://ftp.software.ibm.com/software/systemz/telecon/22jul/July_22_Telecon_Top_10_Problem_Solving_Scenarios_-_OMEGAMON_and_Tivoli_Enterprise_Portal.pdf
  - Leveraging Tivoli Enterprise Portal

    ftp://ftp.software.ibm.com/software/os/systemz/summit/handouts/Track_5_-_06_-_Leveraging_Tivoli_Enterprise_Portal.pdf

    Tivoli Enterprise Portal Customization Tips and Techniques

    ftp://ftp.software.ibm.com/software/systemz/pdf/June_26_Telecon_Tivoli_Enterprise_Portal_Customization_Tips_and_Techniques.pdf

Summary

- Being a “Power User” means leveraging the most powerful capabilities of a technology
- OMEGAMON provides a choice of interfaces and options
  - Each interface (Classic, e3270ui, TEP) offers a unique set of capabilities
  - Leverage the appropriate interface to address requirements
    - Classic
      - Speed, reliability, power user function and flexibility
    - E3270ui
      - Speed, integration, ease of use
    - TEP
      - Integrated views, dashboards, alerts, integrated automation

OMEGAMON
Power User - Resources And References

- Various Share Conference OMEGAMON presentations
  - DB2 Performance Tuning Using Omegamon DB2 Performance Expert - Use Case Examples and Practical Applications
    https://share.confex.com/share/120/webprogram/Session12693.html
  - Automated Performance Management Using IBM Tivoli: Techniques And Best Practices (a new presentation I created for this Share event)
    https://share.confex.com/share/120/webprogram/Session12880.html
  - Tuning Tips To Lower System z Costs with OMEGAMON Monitoring
    https://share.confex.com/share/119/webprogram/Session11791.html
  - Understanding The Impact Of The Network On z/OS Performance
    https://share.confex.com/share/119/webprogram/Session11900.html
- Other presentations
  - Top 10 Problem Solving Scenarios Using IBM OMEGAMON and the Tivoli Enterprise Portal
    ftp://ftp.software.ibm.com/software/systemz/telecon/22jul/July_22_Telecon_Top_10_Problem_Solving_Scenarios_-_OMEGAMON_and_Tivoli_Enterprise_Portal.pdf

Thank You!!

Session 14056

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http://tivoliwithaz.blogspot.com