

IBM Software Group

OMEGAMON XE For DB2 PM/PE Power User Tips And Techniques

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@business on demand.



Agenda – OMEGAMON XE For DB2 PM/PE

- OMEGAMON A Choice Of Capabilities And Technologies
- OMEGAMON XE For DB2 PM/PE Capabilities
- Power User Techniques For 3270 Interface
- Power User Techniques For Tivoli Enterprise Portal





What Is A Power User?

As defined by Webopedia.Com

*A sophisticated user of personal computers. A power user is typically someone who has considerable experience with computers and utilizes the most advanced features of applications"

Ed Woods' definition

A user of computer technology who takes that technology and customizes or crafts it to more fully fill their needs IBM Software Group | Tivoli software

OMEGAMON DB2 XE For DB2 PM/PE Options & Interfaces

Helo PF1

> U-LONG NAMES

+ Attach: RRSAF

+ Package: WKID

Selected View Tools

11/30/04 7:03:44 PM

00/04/14/12/1PM

locks propa Locking

Show Data for : SDB1

Default Group

PLEN + Thread: Plan=WKID

rsum

+N/8

C System On

EE Dataut Group

Data Views

+Location

- **Tivoli Enterprise Portal (TEP) GUI Interface**
 - Real time and historical
 - Automation & alerts Situations & Policies
 - Plex level information (CF, n-way)

OMEGAMON Classic

- 3270 Interface command interface Ь
- Real Time & Historical
- **OMEGAMON CUA**
 - 3270 interface
 - **Real Time & Historical**
 - Warning & Critical exception alerts
- PE GUI
 - GUI client interface
 - Real time & Historical



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OMEGAMON XE For DB2 PM/PE V3.1.0 Major Features & Components

Real Time Thread Analysis ✓Thread performance (elapsed, CPU, getpage info) ✓Thread Detail (lock detail, SQL) detail, plan & package level ✓Triggers, Procedures, & UDFs Real Time – DB2 subsystem ✓VP & EDM Pool analysis ✓Pool performance ✓Pool snapshot detail Locking & Logging Application Trace Facility ✓ Detailed performance tracing Choice Of Interfaces (TEP, PE GUI, 3270 Classic & CUA)

Object Analysis ✓I/O & getpage analysis ✓Correlate by object & thread Lock Conflicts Near-Term Historical ✓Near-term history online **Historical Analysis** ✓ Batch reporting ✓XE Historical analysis ✓ Performance WH ✓ PE GUI snapshot history ✓ DB2Plex Monitoring View ✓ View CF structures ✓Global lock analysis Automation capabilities



OMEGAMON XE For DB2 PM/PE Tivoli Enterprise Portal Versus 3270 – Strengths

- Tivoli Enterprise Portal (TEP) GUI Interface strengths and capabilities
 - Customizable high level overview of all DB2 activity
 - Thread activity and subsystem activity
 - Data sharing performance information (CF structures. global lock analysis)
 - The most flexible and customizable for alerts, automation, and corrective actions
- 3270 (Classic & CUA) Interface strengths and capabilities
 - Thread activity detailed analysis
 - Thread detail, timings, detail SQL activity, lock detail and activity
 - Subsystem activity detail
 - Virtual Pool and EDM Pool snapshot and detailed analysis
 - Application Trace Facility
 - Object Analysis





OMEGAMON XE For DB2 PM/PE GUI Interface Versus 3270 – When To Use

- Tivoli Enterprise Portal (TEP) GUI Interface
 - Correlation and high level analysis
 - Problem identification, notification, and isolation
 - Robust correlated alert generation
 - Integrated automation with corrective actions
- 3270 Classic Interface
 - Works best for deep dive detailed analysis
 - Thread details, virtual pool snapshot details, EDM pool snapshot details, application trace detailed analysis
 - Command driven with the ability to build custom screen spaces
 - Screen logging and automated screen facility options
 - Classic alerts may drive actions and automation (with SA z/OS automation)





OMEGAMON DB2 Classic 3270 Interface Main Menu

		ZMENU	VTM	02		V310.	/C DE	38G 09	9/05/	06 13	:18:08	2
>	Help/News/Index	PF1		Exit	PF3				PF	' Keys	PF5	
>	$\mathbf{\lambda}$											
>	Type a select:	ion letter	at the	left	end	of the	top	line	and	press	ENTER.	
>												
===		******		======	====	======	=====		=====	=====	======	==
>	OMEGAMON	II FOR DB	2 CLASS	IC INT	'ERFA	CE	REAL	CIME N	MAIN	MENU		
			Gummara)) a a	- ii +						
- ⁶	FYCEDTIONS	····· X ·	Current	or pe	tont	ial ev	atom	prob	امسع			
— 1	THREAD ACTIVIT	$\mathbf{r}_{\mathbf{v}}$	Thread	activi	+v i	iforma	tion	prop.	Lemp			
— <mark>-</mark>	THREAD ACTIVI	TUDEAD ACTIVITY Thread activity information by Dackage										
_ \	LOCKING CONFL		Locking	confl	ict	inform	ation	א <u>ר גע</u> ו ו	leitag	C		
— F	R RESOURCE MANA	GERS	Resourc	e mana	lger,	other	DB2	subsy	vstem	info	rmation	
Z	A APPLICATION T	RACE	Trace a	nd vie	w ap	olicat	ion a	activ	Lty	-		
I	D DISTRIBUTED D	ATA	Distrib	uted d	latab	ase sy	stem	info	rmati	on		
c	OBJECT ANALYS	IS	Object	and Vo	lume	infor	matio	on				
0	G DB2 CONNECT SI	ERVER	DB2 Con	nect	atew	ays wi	th co	onnect	cion	to DB	2	
_ C	C MVS CONSOLE .		MVS con	sole t	is is	sue co	mmano	ls and	l vie	w mes	sages	
_ E	B DB2 CONSOLE .	• • • • • • • • •	DB2 con	sole t	ois	sue co	mmano	ls and	d vie	w mes	sages	
L _ 1	M MISCELLANEOUS	••••	Address	space	e in	ormati	on, (OMEGAI	MONC	omman	ds, etc	•
_ F	P PROFILE	• • • • • • • • •	Customi	ze OME	GAMO				·			
_ F	H HISTORICAL	• • • • • • • • •	Online	histor	ical	Sele	ect	<u>ette</u>	ro	otior	ns to	
L]	I IFCID TRACE .	• • • • • • • • •	Start a	n IFCI	D Tr			- to		fore	nt dia	
						nav	Igal	e 10		rere		plays



Classic Interface Major & minor commands





Classic Interface Examples

- Detailed DB2 thread analysis is a common usage of the Classic interface
 - THDA and PLAN major commands with a variety of minor commands and options
 - Customized screen spaces are easy to build and use
- 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)



Thread Overview Example More Efficient Filtering

				o filter tr	ne displa	ay go to	option 'J'.
	ZALLT	VTM	02 fi	lter scree	en exec	utes the	e THFL comn
ТН	READ ACTIVIT	Y: Ent	er a selectio	on letter	on the	top line	9.
*-ALL B- H-UTIL I- O-ENCLAVES	TSO C-CICS INACT J-FILT	D-IM ER K-FU	IS E-BA INCTIONS L-ST	CKGROUND ORED PROC	F-DIST M-TRIGG	ALLIED ERS	G-DIST DBAC N-SYSPLEX
	===========	=======			:==============	=======	
THDA		ALL THE	EADS CONNECT.	ED TO DB2			FLTR ON
*							
Elapsed	Planname	CPU	Status	GetPg	Update	Commit	Jobname
12-22 52	KO2PLAN	00.0%	NOT-IN-DB2	279718	111678	27925	CXEGA03
12-22 :5 2	KO2PLAN	00.0%	NOT-IN-DB2	75290	124	5	CXEGA03
02-02:4	ASNTA820	00.0%	NOT-IN-DB2	95877	3981	1985	DPROPAPP
02-02:41	ASNTA820	00.0%	NOT-IN-DB2	3721	1484	611	DPROPAPP
02:43:14	?RRSAF	00.0%	NOT-IN-DB2	135354	7651	18	BBOS001S
01:10:47.2	?RRSAF	00.0%	NOT-IN-DB2	28328	784	4	BBOS001S
============	:\============	======	=======================================	=========	========	=========	============

Product provided screen space ZALLT provides a thread overview display with drill downs for thread detail. The panel executes the THDA major command.

2 2 2



Add The Filter Command To The Thread Screen

EDDEMO VTM O2 THREAD ACTIVITY: Enter a sele	V310./I DSNA 09/12/06 16:52:16 action letter on the top line.	4								
<pre>> *-ALL B-TSO C-CICS D-IMS E-BACKGROUND F-I > H-UTIL I-INACT J-FILTER K-FUNCTIONS L-STOPED FROC M-: > 0-ENCLAVES</pre>										
> ALL THREADS CONT THDA	FR ON									
+ * + Elapsed Planname CPU Status	GetPg Update Commit Jobna	ne								
+ 12-22:52 KO2PLAN 00.0% NOT-IN- + 12-22:52 KO2PLAN 00.0% NOT-IN- + 02-02:41 ASNTA820 00.0% NOT-IN-	DB2 279718 111678 27925 CXEGA DB2 75290 124 5 CXEGA DB2 95877 3981 1985 DPROP	 03 03 APP								
+ 02-02:41 ASNTA820 00.0% NOT-IN- + 02:43:14.7 ?RRSAF 00.0% NOT-IN- + 01:10:47.2 ?RRSAF 00.0% NOT-IN-	DB2 3721 1484 611 DPROP DB2 135354 76 The THELC	ommand to filter the display								
+ Specify the values to be used as filto + Activity displays. Wildcard values * + ? (single character) may be specified	fung criteria for Thread multiple characters) or for character values.									
: PLAN = : PACKAGE/DBRM = : COLLECTION = : AUTHID = : CONNID =	(plan name) (name) (collect id) (authorization id) (connection id)	filter options from the creen. Saves time and								
: CORRID = (correlation Id) : LOCATION = (location Id) : DB2STAT = (ab2 status) : PARENTACE = (number of getpages) (parent ace for para										
: UPDATES > (number of page updates) : COMMITS > (number of commits) : ELAPTIME > (elapsed time - in seconds) : ELAPTIME/COMMIT > (elapsed time per commit) DB2TIME > (In DB2 time - in seconds)										
: DE2TIME/COMMIT > (In DD2 time per commit) : WORKSTATION = (workstation) : TRANSACTIONID = (transaction id) : ENDUSERID =										

2 2



Save The Customized Screen Space

/SAVE EDDI	EMO	EDDEN	io vtm	02	V310./I	DSNA 09/	/12/06 16:52:16					
> THRE	EAD ACTIVIT	ſY: Ent	er a selecti	on letter	on the	top line	e.					
> *-ALL B-TS > H-UTIL I-IN > O-ENCLAVES	> *-ALL B-TSO C-CICS D-IMS E-BACKGROUND F-DIST ALLIED G-DIST DBAC > H-UTIL I-INACT J-FILTER K-FUNCTIONS L-STORED PROC M-TRIGGERS N-SYSPLEX > O-ENCLAVES											
> All threads connected to db2												
THDA							FLTR ON					
+ Elapsed	Planname	CPU	Status	GetPg	Update	Commit	Jobname					
+ + 12-22:52	KO2PLAN	 00.0%	NOT-IN-DB2	279718	 111678	27925	Use the /S	AVE command to save				
+ 12-22:52	KO2PLAN	00.0%	NOT-IN-DB2	75290	124	5						
+ 02-02:41	ASNTA820	00.0%	NOT-IN-DB2	95877	3981	1985	the custon	n screen space.				
+ 02-02:41	asnta820	00.0%	NOT-IN-DB2	3721	1484	611						
+ 02:43:14.7	?RRSAF	00.0%	NOT-IN-DB2	135354	7651	18						
+ 01:10:47.2	?RRSAF	00.0%	NOT-IN-DB2	28328	784	4						
			=============		========		Use the /R	EP command to replace				
THFL							on aviating					
+	- .						an existing	screen.				
+ Specify the	values to	be used	l as filterin	g criteri	a for Th	read						
+ ACTIVITY dis	splays. Wil	Lacara v	alues * (mul	tiple cha	racters)	or						
+ ? (single cr	aracter) i	lay be s	pecified for	characte	r values	•	To invoke	the screen enter the				
: PLAN	=		(pian name								
· COLLECTION	• <u> </u>		(aolleat i	7 4)		screen nar	ne on the command line				
• AUTHID			(authoriza	tion id)		Scieeninai	ne on the command line.				
· CONNTD				connectio	n id)							
: CORRID				correlati	on id)							
: LOCATION	=		(location)			Make scre	ens for various filter				
: DB2STAT	=	·····	(db2 statu	s)							
: PARENTACE	=	·····	(parent ac	e for par	rallel t	options ne	eded				
: GETPAGES	> 10	000	(number of	getpage	s)						
: UPDATES	>		- (number of	page up	dates)						
: COMMITS	>		- (number of	commits)						
: ELAPTIME	>		(elapsed t	ime - in	seconds	3)					
: ELAPTIME/COM	MIT >		. (elapsed t	ime per o	commit)						
: DB2TIME	>		. (In DB2 ti	me - in a	seconds))					
: DB2TIME/COMM	(IT >		. (In DB2 ti	me per co	ommit)						
: WORKSTATION		1. S. O. I.			(wo:	rksta <mark>tic</mark>	n)					
	15 1	2. Sale										



Making Custom Screen Spaces





Screen Logging

/LOG ON_	ZALI	LT V	IM LOG O2	V310./	I DSNA	09/12/06 17:02:55 2			
> T.A > T.A > THRE	EAD ACTIVIT	S Y: Ent	Up PF7 er a select	Down PF8	Son on the	t PF10 Zoom PF11 top line.			
> *-ALL B-TS > H-UTIL I-IN > O-ENCLAVES	SO C-CICS NACT J-FILI	S D-IM	NCTIONS L-S	BACKGROUND STORED PROC	F-DIST M-TRIC	ALLIED G-DIST DBAC	may be logged		
> ALL THREADS CONNECTED TO DE2									
+ * + Elapsed +	Planname	CPU	Status	GetPg	Update	/LOG ON to turn	on		
+ 12-23:03 + 12-23:03 + 02-02:51 + 02-02:51	KO2PLAN KO2PLAN ASNTA820 ASNTA820	00.0% 00.0% 00.0% 00.0%	NOT-IN-DB2 NOT-IN-DB2 NOT-IN-DB2 NOT-IN-DB2	2 279878 2 75290 2 96341 2 3733	111742 124 4006 1490	/LOG OFF to turn	off		
+ 02:53:54.0 + 01:21:26.4 ========	?RRSAF ?RRSAF =====	00.0%	NOT-IN-DB2 NOT-IN-DB2	2 135571 2 34372	922	Log output goes OMEGAMON col	to sysout on the lector address		
						space.			
						Useful to snapsh screens, or scree of time.	ot some ens over a period		



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

		ZALLT	VTM LOG	02 V310./I DSNA 09/12/06 17:05:34
.TS	F01 TIM	E=1100 _SS=	EDDEMO DA	DAY=DAILY
				.TSF01 command to enter a timer. Enter
				the time and the screen to execute.
		ZALLT	VTM LOG	02 V310./I DSNA 09/12/06 17:04:24
• TSI +	F00 K 1	TIME=1100	SS=EDDEMO	DAY=DAILY
+		TIME=0000	SS=*NONE*	DAY=DAILY
+	3	TIME=0000	SS=*NONE*	DAY=DAILY
+	4	NIME=0000	SS=*NONE*	DAY=DAILY
+	5	TIME = 0000	SS=*NONE*	DAY=DAILY
+	6	TIME=0000	SS=*NONE*	DAY=DAILY
+	7	TIME=0000		
			.TSF00 c	command to list all the current
			time re th	hat have been act
			timers th	hat 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

> Help PF1	OPTN VTM LOG O2 V31	0./I DSNA 09/12/06 17:14:38 2 Back PF3						
> P.A.A > SESSION OF	PTIONS: Enter a selection lo	etter on the top line.						
> *-DISPLAY B-CONT	IROL C-ROUTING D-MESSAGE	E-PERFORMANCE F-BACKGROUND						
> SET DISPLAY OPTIONS								
> To change the valu > Press ENTER to red OPTN	ue of an option, type the new cord the change.	w value over the current one.						
: ASF	= OFF BELL	= OFF						
: BELLINT	= 60.00 DATEFORMAT	= USA	tal agis sat ta					
: FIRSTSCREEN	= ZMENU LOG	= ON						
: MINORCASE	= LOWER SCREENCASE							
: SCROLL	= CSR TSF	= ON	N and ISF is set					
: XLF	= OFF ZEROS	= OFF						
		to	ON.					



A Note About Using Auto-update

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 \odot

>	Help PF1	SET	VTM	02 V31	0./I I	SNA 09/	13/06 12 Back	:42:33 PF3	2	
> P. >	A.B SESSION O	PTIONS	: Enter a	a selection lo	etter	on the	top line	•		
> A-	DISPLAY *-CON	TROL	C-ROUTING	G D-MESSAGE	E-F	ERFORMA	NCE F-	BACKGRC	UND	
>		s====== S	ET CONTROL	L FUNCTION OP	FIONS			======		
> To > Pr	change the val ess ENTER to re	ue of cord t	an option he change	, type the new •	w valu	le over	the curr	ent one	••	
.SE	T ngot tvtt		C A							
:	FGOLIMIT	=	64	FGOLOOP	= 01	.F. 00				
:	GDEVUCBS	=	200 E	INTERVAL	=	5.00				
:	LODELAY	=	5	LOOPCOUNT DAGELINIT	=	12000				
	DEERCIZE	=	25.00	PAGELIMIT	=	390				
	PEERSIZE	=	52/00	STATUSMODE	= 0F	F				
:	OCMDMASTER	= ON	, :========:		======	=======	The	defai	ılt aı	ito undate interval
								acia		
							in Cl	assio	c inte	erface is 5 seconds.
							REC inter 60 se	OMN val te	IEND o a h ds.	ATION – Set the igher value – 30 or





Classic Exceptions May Be Used To Interface With SA for z/OS Automation

Z GEDNEL - N		DMU classic excep	otion
> Help PF1	TM 02 V.	Back	PF3
> SET EXCEPTION	ANALYSIS OPTIONS FOR	EDMU EXCEPTION	====
> Warns when the number of e > use is > n%.	environmental descripto	r manager (EDM) pool page	s in
<pre>> To change the value of an > current one. Press ENTER XACB LIST=EDMU . EDMU</pre>	exception option, type to record the change.	the new value over the The	reshold value
+ DISPLAY Parameters:	THRESHOLD Parameters.	XLF Parameters:	
: State=ON : Group=SY	Display=CLR3	AUTO=OFF Log=OFF	
: Bell=OFF	Attribute=NONE	Limit=5 (5)	
: BOX Parameters:	CYCLE Parameters:	Repeat=YES	
: Boxchar=NO BOX	ExNcyc=0	Persist=1	
: Boxclr=NONE : Boxattr=NONE	Stop=0 (0) Cumulative=0	SL=ZSYLOG	
		Threshol classic p exception by autom	ds may be stored in rofiles. Classic ns may be referenced nation.





OMEGAMON And SA Interoperation



- Use of performance and availability information for application automation
 - More facts, more accurate decisions
 - Sources: OMEGAMON MVS, DB2, CICS, IMS
- Provides API to communicate with OMEGAMON monitors to
 - Obtains and filters installation-defined exceptional conditions
 - Sends commands to OMEGAMON, for example to respond to such conditions
- Provides exception monitor based on the Monitor Resource concept
 - Monitors "interesting" set of exceptions
 - Sets application health state based on existence of such exceptions
 - Provides means to react and resolve exceptional conditions



Tivoli Enterprise Portal (TEP) Interface Examples

- Monitoring view customization and flexibility
 - Create monitoring views specific to technical requirements
- Correlation and high level analysis
 - The ability to monitor form and integrated high level view
- Problem identification, notification, and isolation
 - Robust correlated alert generation
 - Ability to incorporate a broad array of information into an alert
- Flexible linking and cross navigation



TEP Workspace Customization

- OMEGAMON XE For DB2 PM/PE provides the ability to build customized real time displays (workspaces)
- Any of the product provided workspaces may be adjusted to meet user needs
- The user may make new workspaces as needed to target specific monitoring needs
 - Create workspaces to target specific technical problems
- These new workspaces are stored in the Tivoli Enterprise Portal (TEP) server
 - New workspaces may be used by any user with appropriate authority and access to the TEP



Thread View Customization Control The Content And Layout Of The Workspace





Add Filters To The View To Control Content





Highlight Potential Problems





Thread Exceptions View Is Now Filtered And Highlighted







Correlation And Navigation

- Correlation may take many forms
 - An integrated graphic dashboard view
 - Intelligent linking and cross product navigation
 - Links may be from tabular detail views
 - Links may also be from graphics and icons
 - Intelligent alerts that integrate information from a variety of sources



Links May Be Built From Either Panel Detail Or Graphics





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Example – A Link From Panel Detail

Tivo	<mark>oli.</mark> E	nterpi	ise P	ortal															Log out
			nop A 🎝	<u> </u>		21		<u>م</u> ا م					a [a 🏟					
	•1	•0 I		r (1			<u> </u>	0] 🔤		V				20					
€° ''	 æ	– – Unite o	f \Alori	· ···		-	٦×	III Tre	ansacti	on Proces	sor Utilizatio	n							
				· 						4					1				
1	œ	Online	Data	viewir	ng														
	œ) `	Transa	ction I	Detail	s														
0	e	Storage	e Use																-
(œ.	Timina	5						00033	Ť									
d -	~~	01-1	- -					Tast											
	œ	Statisti	:5					I¶ ĝ											
1	œ) `	Transa	ction :	and P	rogram D	efinition		- Be											
	e	Umbre	lla Info	ormati	ion														-
	e	Remot	e Infor	matio	in				00034	Ť									
0	æ.	Tranca	ction I	Filo D	otaile														-
	~	-					~												
h	œ	Iransa	ction	ISQu	eue Detail	IS		1	0.	000				CPI	0.010 U Seconds			0.020	
Ľ	œ	To DB2																	
E	e	Link W	zard																
	@	l ink Ar	chor				tion	loor		Terminal	Task	Resour	rce	Resource	Task	Elapsed	CPU	Program	Ex
rœ i	ISYS	1 C	CSTO)R		D8CS			R	CP16	Number 90074		(Name CICASB1	Suspend	00:02:05.86			Nr 🔺
	SYS	1 C	CSTO	R	CICT	OSEC		CICSUSE	RI	∩/a	00054	HSERWA	IT 8	R2WORK	Suspend	10:16:54.79	00:00:00.01	KOCSR2ZZ	Nc
	SYS	1 C	CSTO	R	CICT	OSRV	1	cicsu			-						00.01	KOCSRVZZ	Nc
۲	SYS	1 C	CSTO	R	CICT	CSHQ	1	n/a	$\mathbf{C}_{\mathbf{A}}$	100	$t \circ ($		7 +	nolz o	ndli	nlz + n	00:00	DFHSHSY	Nc
۲	SYS	1 C	CSTO	R	CICT	CSNE	1	n/a	SE	lec	lal) là	isk a		IIK LO	00:00	DFHZNAC	Nc
۲	SYS	1 C	CSTO	R	CICT	CSNC	1	n/a									00:00	DFHCRNP	Nc
69	SYS	1 C	CSTO	R	CICT	CSTP	1	n/a	tha		R_{1}	hro	ad	detai	lfor	the ta	C 00:00	DFHZCSTP	Nc
60	SYS	1 C	CSTO)R	CICT	CSSY		n/a					au	ucia		the la	DU .UU	DEHAPATT	Nc
	<u> </u>																		
				Hut) Time: Sa	it, 07/22/20	06 08:2	27 AM		🛛 🞱 S	erver Avail	able		Tra	ansaction Ana	lysis - 9.73.221.	32 - SYSADMIN	1	
				-		1900 II	14	-0-0											
					e a														

TEM

Link Navigation May Be From Graphic Icons





Situations Allow For Powerful And Flexible Alerts

- OMEGAMON XE situation capabilities allow for more intelligent alerts that integrate and correlate status and information
- Situations may incorporate Boolean logic
- Situations may be correlated with other situations
- Situations may in turn drive automated corrections





Using Boolean Logic For More Alert Flexibility

Situation(s) for - DSNA:MVSA:DB2									
Image: Second system Image: Second system	Condition Distribution PExpert Advice Intro Action Intro Condition								
The XE GUI	DB2 Elapsed Time Package Name Authorization Identifier 1 GT 00:01:40.0 #* EQ DISTSERV 2 GT 00:33:20.0 #* EQ TESTBAT 3 EQ 00:01:20.0 #* EQ DISTSERV								
for alerts and alerting	Authorization Identifier Authid of the thread. a maximum length of eight characters. Cancel Command Command string needed to cancel a thread. Valid entry is an alphanumeric text string, with a maximum length of eight characters.								
	Add attributes Advanced								
More detailed alerts mean more meaningful & useful alerts. May require forwar situations be graated									
	OK Apply Cancel Help								



Situation Correlation - Example





Correlated Alert Example





OMEGAMON V4.1.0 – Trends and Directions

Objectives

- Customer Satisfaction
 - Globalization
 - Exploitation of new OS and middleware releases
 - Customer Enhancements
- Portfolio Simplification
 - Candle Management Workstation and OMEGAMON II continued movement to XE
 - Merging of functionality in product suites where it makes sense
- Integration
 - Dynamic Workspace Linking
 - Launch in Context
 - TSLA, TBSM, and more
 - Tivoli Data Warehouse pruning and aggregation
- Serviceability
 - Problem Determination Guides
 - ICAT enhancements



EM

Dynamic Workspace Linking Functionality

Problem: How do I quickly find a potential problem that requires multiple monitoring products?

Scenario: Dynamically link in context from CICS transaction to the associated DB2 thread

Solution: Dynamic Workspace Linking Product provided links & user customized





Summary And General Recommendations

- Understand and exploit the strengths of OMEGAMON
- Tivoli Enterprise Portal (TEP) GUI Interface
 - Correlation and high level analysis
 - Problem identification, notification, and isolation
 - Robust correlated alert generation
 - Integrated automation with corrective actions
- 3270 Classic Interface
 - Deep dive detailed analysis
 - Command driven with the ability to build custom screen spaces
 - Screen logging and automated screen facility options





Thank You!!!!

