# Using your Performance Monitor to Watch z/VM and Linux

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- Challenges
- Using Technology to Address Those Challenges
- Performance Monitoring
- Operational Support
  - zALERT
  - zOPERATOR



This discussion and images contained in this presentation are generated by Velocity Software's zVPS product suite

# Specific technology contained in the product suite will be discussed and displayed



#### Challenges

#### Time is not our friend

- There is never enough
- So much more to do

## **Aging workforce**

- None of us are getting younger
- Technology has to step in



- A service virtual machine is used to execute the 'alert engine'
  - The virtual machine wakes up every minute
  - Installation defined alerts are evaluated
  - Monitor data is extracted
  - Values returned compared against user defined thresholds
  - User defined messages are generated and stored in the DCSS
  - Notifications can be sent to interested parties



# zALERT Technology





#### ZOPERATOR

#### **Console and Automations Manager**

#### No charge component of zVPS

Integrated with zMON

#### Scrollable, searchable console display

#### Messages can be

Colored, Highlighted, Held, Suppressed, Sent to a User, Written to a File, Emailed, Trap Sent, Command Executed

#### Log files retained for user specified days

Can be used on Operator or any other user that collects messages

#### Can handle Linux messages

Secuser/Observer, Syslog



#### zOPERATOR Technology





06:53:51 AUTO LOGON \*\*\* LINUX001 USERS = 35 BY OPERATOR 07:00:40 HCPPGT401I 90 percent of all paging space is in use. 07:03:00 HCPPGT400I All paging space is in use. 07:03:43 HCPPGT401I 90 percent of all spooling space is in use.

07:03:57 HCPDMP908I SYSTEM FAILURE ON CPU 0000, CODE - PGT004 HCPDMP9250E SYSTEM DUMP FAILURE; NO DUMP UNIT - INSUFFICIENT SPOOL SPACE 07:04:06 HCPWRP9277I SYSTEM TERMINATION COMPLETE, ATTEMPTING RESTART





PROVEN PERFORMANCE

# **Catastrophic event**

- Outages can have a large impact
  - Unavailability of applications
  - Potential for information loss
  - Disruption of customer service
  - Political ramifications
    - Complex to manage
    - Outage makes the platform appear weak





# Maintain availability

- Critical to success
- Reduction or elimination of outages is vital
- A well maintained, highly-available system...
  - Looks good to customers, end-users, shareholders



- Proactive monitoring can detect an abnormal situation before it causes trouble
- Continually analyzes customer defined conditions
- A condition can be
  - Exceeding a certain threshold
  - Message(s) that require attention
  - An object in a state not conducive to proper operation
    - Volume offline
    - Virtual machine not logged on
    - Incorrect system settings



#### **Alert samples**

- Alert samples are delivered with the package
  - ALERT1 MONALERT is a generic set of samples
  - Older sample files are shipped with the filetype MONSAMP
    - VMALERT, LINALERT, HEALTH and HEALTH2
  - Samples ship with alerts to check various conditions that can potentially occur
    - LPAR, System, User, Linux node, Devices
- Additional samples available on our web site



- A notification can be any of
  - Message displayed via a 3270 session, zVIEW or zALERT CGI
  - CP MSG to a user (eg: OPERATOR)
  - Email to interested parties
    - Text message on a mobile device
  - SNMP trap sent to a management console
  - Combinations of the above



#### • Alerts generally use the following statements

- EXTRACT
  - Signifies the start of the data extract
- CRITERIA
  - Provides a filter for data extracted from the monitor
- VAR
  - Defines a local variable made up of an expression involving monitor variables
- ALERT
  - Defines an alert on a variable defined in VAR
- LEVEL
  - User defined thresholds and optional actions
- TEXT
  - User defined display text with variable replacement



07:00:40 HCPPGT401I 90 percent of all paging space is in use.

- Alerts can help to detect this condition
  - Before it degenerates into an abend and outage
- Sample page space utilization alert

```
extract
var pgutil | 3 1 | (sytasg.calslti1*100)/sytasg.calslta1
alert pgutil page
level 20 green
level 20 green
level 50 yellow
level 80 red
text Page utilization is &pgutil%
```





alert pgutil page level 20 green level 50 yellow level 80 red text Page utilization is &pgutil%















#### extract

var pgutil | 3 1 | (sytasg.calslti1\*100)/sytasg.calslta1













# Alert result - 3270

### • The 3270 screen based on the alert definition





### **Alert result - zVIEW**

#### • Same data in zVIEW

- 🕑 😢



#### Page and Spool Utilization combined

#### • Some alerts can be combined under one extract

- Saves processing time
- Needs to be similar data

```
extract
             | 3 1 | (sytasg.calslti1*100)/sytasg.calslta1
var pgutil
var sputil | 3 1 | (sytasg.calslti2*100)/sytasg.calslta2
alert pgutil page
level 20 green
                                    Screen: PGSP
level 50 yellow
                                                                   RKS2LV
                                                           Exceptions Analysis Alerts
level 80 red
text Page utilization is &pgutil%
                                     Type Description
                                     PAGE Page utilization is 26.0%
alert sputil spol
                                      SPOL Spool utilization is 61.2%
level 20 green
level 50 yellow
level 80 red
text Spool utilization is & sputil%
```



- Adjust the number and value of levels based on local requirements
  - At least one LEVEL statement is necessary
  - LEVEL statements are evaluated from the bottom up
- Standard 3270 colors are allowed
  - Turquoise, Blue, Red, Yellow, Green, Pink, White
  - If no color is specified, the default is Green
  - Color modifiers are allowed
    - **REV**video reverse video
    - **BLI**nk blink the entire text
    - **UNDERLINE** underline the entire text



#### **LPAR Utilization**

#### Alert for LPAR Utilization

```
Extract
Parms LPAR *
Criteria sytcup.lcupname <> 'Totals:'
var lpname | 8 | sytcup.lcupname
var lputil | 3 0 | sytcup.pctcpu
alert lputil lpcp
level 70 yellow
level 85 red
level 92 red rev
text LPAR utilization of &lpname is &lputil%
```



#### **LPAR Utilization**

#### Alert for LPAR Utilization





#### **LPAR Utilization**





## **External Processing**

- An alert can call an external process
  - Function
  - Stage
- Function is a REXX EXEC that processes already extracted data
  - Called for each record returned from an extract
  - Returns a single value
- Stage is an EXEC that is called as a pipeline stage
  - Must have a filetype of REXX
  - Can independently run it's own extract
  - Returns a single value



# **Missing Virtual Machine**

# • Detection mechanism for required virtual machines

- Service machines
- Utility machines
- Linux systems

extract var dummy   1   1 stage alrtmusr   8
alert dummy xmvm level 0 red action CP MSG OP &code &atext text User &alrtmusr not logged onto system

Screen: TOP20	RKS2LV Exceptions Analysis Alerts	/* VELOCITY Virtual Machines ZSERVE ZTCP
Type Description		ZADMIN ZWEB01 ZWEB02 ZWEB03
XMVM User ZWEB06 no	t logged onto system	ZWEB04 ZWEB05 ZWEBLOG
		ZWEB06
		/*
		/* SFS service machines
		/*
		VMSERVU VMSERVS SFSZVPS
		/*
		CRON

#### MISSING USER

#### Second vdisk usage

### Using two swap disks with different priority

- Second disk larger than the first
- First disk fills, Linux uses the second disk
- Alert when second disk is used

#### ESAVDSK - VDISK Analysis - RKS2LV

			<size></size>		<pages></pages>		Prv	VIO		<addspce></addspce>		<pages< th=""></pages<>		
			AddSpo	VDSK	Resi-	Lock-	or	rate	Usr	Cre-	Del-	Sto-	<das< th=""><th>SD&gt; 1</th></das<>	SD> 1
Time	Owner	Space Name	Pages	Blks	dent	ed	$\operatorname{Shr}$	/min	Lks	ates	etes	len	Read	Write
07:56:00	LINUX001	VDISK\$LINUX001\$0202\$0031	4000	32000	407	0	$\operatorname{Shr}$	311	1	0	0	41.2	48.0	38.6
07:56:00	LINUX001	VDISK\$LINUX001\$0203\$0032	16000	128K	8093	0	$\operatorname{Shr}$	845	1	0	0	37.6	172.5	36.6
07.56.00	T.TNIIV002	WITCKCT THILVOOJCOJOCOOLS	1000	33000	Λ	٥	Chr	Δ	1	Δ	Δ	٥	Δ	٥

Vdisk activity indicator



#### Second vdisk usage

Create an alert to show Vdisk activity



```
text Node &userid is using the second virtual disk
```



#### Second vdisk usage

#### Result

```
extract
parms space vdisk* user *
criteria stoasi.mdiovdev = '0203'
var userid | 8 | aspace.userid
var vdev | 4 | stoasi.mdiovdev
var io_rate | 6 | stoasi.qdiiocnt
```

alert io\_rate lsvd level 0 red text Node &userid is using the second virtual disk

Screen: LSVD

RKS2LV Exceptions Analysis Alerts ----

#### Type Description

LSVD Node LINUX001 is using the second virtual disk



- A condition that causes a virtual machine to delay processing
- When a virtual machine waits, it can not do useful work
  - Simulation wait waiting for simulation functions
    - Master processor, IUCV, RPI, line mode commands
  - Page wait waiting for page fault resolution
  - CPU wait waiting for CPU



#### Wait states

```
extract
parms user *
criteria userdata.userid <> 'System:' & useact.vmdttime > 0
               | 8 | userdata.userid
var userid
               | 3 0 | (useint.hfsimwt*100)/useint.nondorm
var simwtpct
var cpuwtpct
               | 3 0 | (useint.hfcpuwt*100)/useint.nondorm
               | 3 0 | (useint.hfwtpag*100)/useint.nondorm
var pagwtpct
alert simwtpct vmsw
level 0 blue
level 10 blue
level 20 yellow
level 50 red
text User &userid is in &simwtpct% simulation wait
alert cpuwtpct vmcw
level 0 blue
level 10 blue
level 20 yellow
level 50 red
text User &userid is in &cpuwtpct% CPU wait
alert pagwtpct vmpw
level 0 blue
level 10 blue
level 20 yellow
level 50 red
text User &userid is in &pagwtpct% page wait
```



# Wait states

#### **ESAXACT - Transaction Delay Analysis - DEMO**

		<-Samp	ples->	<percent non-dor<="" th=""><th>-dorn</th><th>nant-</th><th colspan="5">1t&gt;</th><th colspan="4">non-dormant&gt;</th><th>Times</th><th></th></percent>				-dorn	nant-	1t>					non-dormant>				Times			
	UserID		Pct							<asy< td=""><td>/nc&gt;</td><td></td><td>Lim</td><td>Pct</td><td>E-</td><td>T-</td><td></td><td>Tst</td><td></td><td>D-</td><td>I/O</td><td></td></asy<>	/nc>		Lim	Pct	E-	T-		Tst		D-	I/O	
Time	/Class	Total	In Q	Run	Sim	CPU	SIO	Pag	SVM	I/O	Pag	Ldg	Lst	Elg	SVM	SVM	CF	Idl	Oth	SVM	Throt	CPU%
08:10:00	LINUXVM	60	<u> </u>	<b>^</b> .	:	^ -	:	:	- :	:	:	:	:	0	:	- :	:	•	:	100	0	10.0
08:10:00	LXDB2001	60	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0.6
08:10:00	LXDB2002	60	100.0	0	0	1.7	0	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0.9
08:10:00	LXSUGAR	60	100.0	0	0	1.7	0	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0.2
08:10:00	OPERATOR	60	0											0						0	0	0.0
08:10:00	ORACLE	60	98.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	1.4
08:10:00	RACFVM	60	0											0				•		0	0	0
08:10:00	REDHAT6X	60	100.0	1.7	0	8.3	0	0	0	0	0	0	0	0	0	0	0	90	0	0	0	1.2
08:10:00	REDHAT73	60	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0.1
08:10:00	RKSDEV	60	0											0						0	0	0.0
08:10:00	RKSUBU01	60	31.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0.2
08:10:00	RKSVM01	60	61.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0.0
08:10:00	RKS2LV	60	80.0	0	0	4.2	0	0	0	0	0	0	0	0	0	0	0	96	0	0	0	0.6
		creen	• WAT	rs			Ve	loci	i+v	Soft	war	<u> </u>	VST	VMA		2	R Mc	ıv 2	<b>01</b> 8	08.1	0.10	

Screen:	WAI	TS Velocity Software - VSIVM4	23	May	2018	08:10:10
		Exceptions Analysis Alerts -				
Туре	Descr	ription				
VMCW	User	JSV2LVL is in 2% CPU wait				
VMCW	User	LXDB2002 is in 2% CPU wait				
VMCW	User	LXSUGAR is in 2% CPU wait				
VMCW	User	REDHAT6X is in 8% CPU wait				
VMCW	User	RKS2LV is in 4% CPU wait				
VMCW	User	SLES12 is in 13% CPU wait				
VMCW	User	SSNODE3 is in 2% CPU wait				
VMCW	User	S11S2ORA is in 12% CPU wait				
VMCW	User	ZSXL0004 is in 3% CPU wait				
VMCW	User	ZSXL0007 is in 8% CPU wait				

#### Linux data

- Linux statistics are collected via SNMP
- Integrated into the monitor by zTCP
- Node utilization
  - CPU Utilization reported for each node
- Process utilization
  - CPU Utilization of each process running on a node



#### Node and process utilization

```
extract
parms node *
criteria ucdsys.totcpu > 0
var node | 8 | tcpip.node
var cpuutil | 4 1 | ucdsys.systpct + ucdsys.userpct
alert cpuutil lncp
level 5 green
level 50 yellow
level 90 red
text CPU utilization on node &node is &cpuutil%
extract
parms node *
criteria vsisft.name <> '*Totals*'
           | 8 | tcpip.node
var node
            | 8 | vsisft.name
var name
            | 8 | vsisft.id
var pid
var procutil | 4 2 | vsisft.totcpupct
alert procutil lnpu
level 10 yellow
level 50 red
text Process utilization for &name-&pid on &node is &procutil%
```



#### Node and process utilization

alert procutil lnpu
level 10 yellow
level 50 red
text Process utilization for &name-&pid on &node is &procutil%



#### Swap utilization and rate

- Swap utilization
  - How much swap are we using?
- Swap rate
  - Are we swapping now?



#### Swap utilization and rate

extract. parms node \* criteria ucdsys.swappct > 0 node | 8 | tcpip.node var swaprate | 6 1 | ucdsys.swaprate var swapused | 4 0 | ucdsys.swappct var alert swaprate lnsr level 50 red rev text Swap i/o rate for Linux node & node is & swaprate alert swapused lnsu Level 20 green level 50 yellow level 90 red rev text Swap utilization for Linux node & node is & swapused % Screen: SWAPUTRT RKS2LV Exceptions Analysis Alerts ----

> Type Description LNSR Swap i/o rate for Linux node linux001 is 151.2 LNSU Swap utilization for Linux node sles12 is 24%



- A notification is a message sent to interested parties of an alert condition
- Sent in one or more of the following forms
  - CP MSG/MSGNOH
  - Email
  - Text page (via email)
  - SNMP Trap



# • At it's simplest a notification can take the form of a message to a CMS user

alert userprt vmpg | count &userid level 5 green action CP MSG OP &code &atext text Page rate for &userid is &userprt/sec (above &tlevel for &tcount)

ACTION keyword on the LEVEL statement allows targeted messaging for a specific threshold

> 09:25:10 ZALERT VMPG Page rate for TCPIP has recovered, now 0.2 09:27:10 ZALERT VMPG Page rate for OPERATOR is 6.8/sec (above 5 for 6)



- **SNMP Trap configuration** 
  - Create/Modify SNMP TRAPDEST on the CONFIG disk

\* following is default 1.3.6.1.4.1.15601
192.168.5.182 velocity 2B06010401F971 ;

• Use the TRAP directive on the LEVEL command

```
alert spool_use spol
level 10 green
level 70 yellow trap &code &atext
level 80 pink
level 90 red
text Spool utilization is &spool_use% (above &tlevel)
```



Trap from 192.168.5.48 Type: 0

Message: SPOL Spool utilization is 72% (above 70)



#### • Email

VSIVM4 MONALERT:	alert spool_use <b>chek</b> limit 359 1   &cpu_serial	
	level 1 green <b>notify</b> text Spool Utilization is &spool_use%	IN Verizon LTE * 12:57 PM * 12%  Choox  From: zALERT@velocitysoftware.c >
VSIVM4 NOTIFY C1	F 80 Trunc=80 Size=16 Line=0 Col=1 Alt=0 +2+3+4+5+6 ile * * *	To: rsmrcina@gmail.com > Hide
===== :NOTIFY-USERS ===== CHEK rsmrcina@c ===== :ENOTIFY-USERS	gmail.com	Spool Utilization is 7%



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#### zOPERATOR

The VM System Console is the destination for messages issued by CP

- The user OPERATOR is typically the destination for these messages
- Most messages are informational
- You really want to be aware of the ones that aren't



#### ZOPERATOR

#### **Console and Automations Manager**

#### No charge component of zVPS

Integrated with zMON

#### Scrollable, searchable console display

#### Messages can be

Colored, Highlighted, Held, Suppressed, Sent to a User, Written to a File, Emailed, Trap Sent, Command Executed

#### Log files retained for user specified days

Can be used on Operator or any other user that collects messages

#### Can handle Linux messages

Secuser/Observer, Syslog



#### zOPERATOR

#### **Redisplay and Searching**

Page or Search forward or backward Date and/or Time selection Text search

- Similar to XEDIT / literal /
- ALL command
- Multiple operands with  $\& | \neg$

#### **Customizable PFKEYs**

zOPERATOR commands

Commands with data inserted from command line

**CLEAR** key to clear current display



### zOPERATOR

#### **Console display access**

Logged on to OPERATOR

DIAL terminals

- Option to restrict commands
- One terminal buffer
- Terminal size must be <= original screen size

View from another CMS user

zVIEW web interface

- Automatically updates every 30 seconds
- Select data and time range
- Select user
- zALERT click through



#### Typical console display

05:11:52	USER	DSC	LOGOFF	AS	ZWEBLOG	USERS =	23		
05:11:52	USER	DSC	LOGOFF	AS	ZADMIN	USERS =	22		
05:11:55	USER	DSC	LOGOFF	AS	ZWEB01	USERS =	21		
05:11:55	USER	DSC	LOGOFF	AS	ZWEB02	USERS =	20		
05:11:55	USER	DSC	LOGOFF	AS	ZWEB03	USERS =	19		
05:11:55	USER	DSC	LOGOFF	AS	ZWEB04	USERS =	18		
05:11:55	USER	DSC	LOGOFF	AS	ZWEB05	USERS =	17		
05:11:58	AUT0	LOGON	***		ZADMIN	USERS =	18	BY	ZVPS
05:11:58	AUT0	LOGON	***		ZWEBLOG	USERS =	19	BY	ZADMIN
05:11:58	AUT0	LOGON	***		ZWEB01	USERS =	20	BY	ZADMIN
05:11:58	AUT0	LOGON	***		ZWEBØ2	USERS =	21	BY	ZADMIN
05:11:58	AUT0	LOGON	***		ZWEB03	USERS =	22	BY	ZADMIN
05:11:58	AUT0	LOGON	***		ZWEB04	USERS =	23	BY	ZADMIN
05:11:58	<b>AUTO</b>	LOGON	***		ZWEB05	USERS =	24	BY	ZADMIN
05:12:14	GRAF	0700	LOGOFF	AS	ZVPS	USERS =	23		
05:12:21	GRAF	0700	LOGON	AS	MAINT640	USERS =	24		



Screen: Z 1 of 1	ZOPER	Velocity	' Sof	tware OPERATO	R Co	onsole	ESAMON USER *	4.304	03/07	05:13 2828	0414C7
05:13:13	OPERATOR	USER DS	C	LOGOFF	AS	ZWEBLOG	USERS	= 23			
05:13:13	OPERATOR	USER DS	C	LOGOFF	AS	ZADMIN	USERS	= 22			
05:13:16	OPERATOR	USER DS	C	LOGOFF	AS	ZWEB02	USERS	= 21			
05:13:16	OPERATOR	USER DS	C	LOGOFF	AS	ZWEB04	USERS	= 20			
05:13:16	OPERATOR	USER DS	C	LOGOFF	AS	ZWEB03	USERS	= 19			
05:13:16	OPERATOR	USER DS			AS		USERS	= 18			
05:13:10				LUGUFF /	AS		USERS	= 17 - 18	RV		
05:13:19	OPERATOR	AUTO LO	GON	***		ZWEBLOG	USERS	= 10 = 19	BYZ		
05:13:19	OPERATOR	AUTO LO	GON	***		ZWEB01	USERS	= 20	BY	ZADMIN	
05:13:19	OPERATOR	AUTO LO	GON	***		ZWEB02	USERS	= 21	BY Z	ZADMIN	
05:13:19	OPERATOR	AUTO LC	GON	***		ZWEB03	USERS	= 22	BY Z	ZADMIN	
05:13:19	OPERATOR	AUTO LO	GON	***		ZWEB04	USERS	= 23	BY	ZADMIN	
05:13:19	OPERATOR	AUTO LO	GON	***	• •	ZWEB05	USERS	= 24	BY Z	ZADMIN	
05:13:30	OPERATOR	GRAF (	700	LOGOFF	AS	ZVPS	USERS	= 23			
05:13:37 DE1_Holp		GRAF 6	3_0		AS	MAINI640	d 5-4	= 24	6	-DEKEV	Off
PF7=Backy	vard 8=		9=l	oc Back	10		u 3=/ 11=		12=	-Retri	eve
====> []			5-1	Duck					12-	Recrit	
2270											42 /000

# zOPERATOR console display



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#### **zOPERATOR console web interface**

Add tab	Arrange	ZOPER	2 🖃 🥖 🖲	8									
Load View	Save View						ZOPER	- zOP	ERA	то	R Console		- TIN 🖉 🖓 😓 🗖 😣
Color config	9	ZOPCZ011	5E Error	1114 1	inking	to OPER	ATOR 191 HC	PLNM114E	OPERA	ATOR	0191 not linked; mode or password	incorrect	
ZMON Graphs	ZMAP	05:13:13	OPERATOR	USER	DSC	LOGOFF A	S ZWEBLOG	USERS =	23				
Capacity		05:13:13	OPERATOR OPERATOR	USER	DSC	LOGOFF A	S ZADMIN	USERS =	22				
Capacity		05:13:16	OPERATOR	USER	DSC	LOGOFF A	S ZWEB04	USERS =	20				
System		05:13:16	OPERATOR	USER	DSC	LOGOFF A	S ZWEB03	USERS =	19				
Service Level Analy	rsis	05:13:16	OPERATOR	USER	DSC	LOGOFF A	S ZWEB05	USERS =	18				
User		05:13:16	OPERATOR ODERATOR	USER I	DSC	LOGOFF A	S ZWEB01	USERS =	17	ъv	TUDC		
Shared File System		05:13:19	OPERATOR	AUTO 1	LOGON	***	ZWEBLOG	USERS =	19	BY	ZADMIN		
CPU		05:13:19	OPERATOR	AUTO	LOGON	***	ZWEB01	USERS =	20	вү	ZADMIN		
Main Storage		05:13:19	OPERATOR	AUTO	LOGON	***	ZWEB02	USERS =	21	BY	ZADMIN		
main Storage		05:13:19	OPERATOR	AUTO I	LOGON	***	ZWEB03	USERS =	22	BY	ZADMIN		
Paging and Spoolin	9	05:13:19	OPERATOR	AUTO	LOGON	***	ZWEB04	USERS =	: 23	BY	ZADMIN		
Input/Output Subsys	stem	05:13:30	OPERATOR	GRAF	0700	LOGOFF A	S ZVPS	USERS =	23				
Network		05:13:37	OPERATOR	GRAF	0700	LOGON A	S MAINT640	USERS =	24				
Linux Reports		05:14:31	OPERATOR OPERATOR	GRAF	0700	LOGOFF A	S MAINT640 S ZVPS	USERS =	23 24				
Linux Application R	leports		012101101	orun	0.00	200001 11	2110	00210					
VSE													
Screen Index													
Emulation													
zALERT Definitions													
ZOPERATOR													
ZTUNE													
Custom Samples													

#### **zOPERATOR** rules to control message display

ZOPRUL	S Velocity Software Inc. ZOPER ZOPRULES Configuration	ZOPER PROD4211
	zOPERATOR Action Rules	
Match:	Msg type CMSOUT User ID Comment Error writin	g console file
	Start col 10 End col 12 = Target ZOP	
&	Start col2 19 End col2 19 = Target E	
Action:	Color RED Ext highlight REVERSE Suppress	Hold YES Stop
	Send to Send type	Send zSERVE
	Cmd File	
	EMAIL address	SNMP trap
Match:	Msg type CPOUT User ID OPERATOR Comment Suppress AUT Start col 10 End col * = Target AUTO LOGON Start col2 End col2 Target	O LOGON
Action:	Color Ext highlight Suppress YES	Hold Stop YES
	Send to Send type	Send zSERVE
	Cmd File	
	EMAIL address	SNMP trap



#### **Suppressed messages**

Screen: ZOPER 1 of 1	Velocity Software OPERATOR Console	ESAMON 4.304 03/07 05:51 USER * 2828 0414C7	Screen:ZOPERVelocitySoftwareESAMON4.3041of 1REDISPLAY03/07/18OPERATORConsoleUSER *	03/07 05:51 2828 0414C7
			05:13:19         OPERATOR AUTO LOGON         ***         ZWEB01         USERS = 20           05:13:19         OPERATOR AUTO LOGON         ***         ZWEB02         USERS = 21           05:13:19         OPERATOR AUTO LOGON         ***         ZWEB03         USERS = 22           05:13:19         OPERATOR AUTO LOGON         ***         ZWEB03         USERS = 22           05:13:19         OPERATOR AUTO LOGON         ***         ZWEB03         USERS = 23	BY ZADMIN BY ZADMIN BY ZADMIN BY ZADMIN
			05:13:19 OPERATOR AUTO LOGON *** ZWEB05 USERS = 24 05:13:30 OPERATOR GRAF 0700 LOGOFF AS ZVPS USERS = 23 05:13:37 OPERATOR GRAF 0700 LOGON AS MAINT640 USERS = 24 05:14:31 OPERATOR GRAF 0700 LOGOFF AS MAINT640 USERS = 23	BY ZADMIN
			05:14:36 OPERATOR GRAF 0700 LOGOT AS INALITY OSERS = 24 05:31:10 OPERATOR USER DSC LOGOT AS ZWEBLOG USERS = 23 05:31:10 OPERATOR USER DSC LOGOT AS ZADMIN USERS = 22 05:31:10 OPERATOR USER DSC LOGOT AS ZADMIN USERS = 22	
			05:31:13 OPERATOR USER DSC LOGOFF AS ZWEB01 USERS = 21 05:31:13 OPERATOR USER DSC LOGOFF AS ZWEB02 USERS = 20 05:31:13 OPERATOR USER DSC LOGOFF AS ZWEB03 USERS = 19 05:31:13 OPERATOR USER DSC LOGOFF AS ZWEB04 USERS = 18	
			05:31:13 OPERATOR USER DSCLOGOFF ASZWEB05USERS = 1705:31:16 OPERATOR AUTO LOGON***ZADMINUSERS = 1805:31:16 OPERATOR AUTO LOGON***ZWEBLOGUSERS = 1905:31:16 OPERATOR AUTO LOGON***ZWEB01USERS = 20	BY ZVPS BY ZADMIN BY ZADMIN
			05:31:16       OPERATOR AUTO LOGON       ***       ZWEB02       USERS = 21         05:31:16       OPERATOR AUTO LOGON       ***       ZWEB03       USERS = 22         05:31:16       OPERATOR AUTO LOGON       ***       ZWEB04       USERS = 23         05:31:16       OPERATOR AUTO LOGON       ***       ZWEB04       USERS = 23         05:31:16       OPERATOR AUTO LOGON       ***       ZWEB05       USERS = 24	BY ZADMIN BY ZADMIN BY ZADMIN BY ZADMIN
			05:50:19 OPERATOR USER DSC LOGOFF AS ZWEBLOG USERS = 23 05:50:19 OPERATOR USER DSC LOGOFF AS ZADMIN USERS = 22 05:50:22 OPERATOR USER DSC LOGOFF AS ZWEB01 USERS = 21 05:50:22 OPERATOR USER DSC LOGOFF AS ZWEB02 USERS = 20	
05:50:19 OPERATO	DR USER DSC LOGOFF AS ZWEBLO	USERS = 23	05:50:22 OPERATOR USER DSC LOGOFF AS ZWEB03 USERS = 19 05:50:22 OPERATOR USER DSC LOGOFF AS ZWEB04 USERS = 18 05:50:22 OPERATOR USER DSC LOGOFF AS ZWEB05 USERS = 17 05:50:25 OPERATOR AUTO LOGON *** ZADMIN USERS = 18	BY ZVPS
05:50:19 OPERATO 05:50:22 OPERATO 05:50:22 OPERATO 05:50:22 OPERATO	DR USER DSC LOGOFF AS ZADMIN DR USER DSC LOGOFF AS ZWEB01 DR USER DSC LOGOFF AS ZWEB02 DR USER DSC LOGOFF AS ZWEB03	USERS = 22 USERS = 21 USERS = 20 USERS = 19	05:50:25         OPERATOR         AUTO         LOGON         ***         ZWEBLOG         USERS         19           05:50:25         OPERATOR         AUTO         LOGON         ***         ZWEB01         USERS         = 20           05:50:25         OPERATOR         AUTO         LOGON         ***         ZWEB01         USERS         = 20           05:50:25         OPERATOR         AUTO         LOGON         ***         ZWEB02         USERS         = 21           05:50:25         OPERATOR         AUTO         LOGON         ***         ZWEB03         USERS         = 22	BY ZADMIN BY ZADMIN BY ZADMIN BY ZADMIN
05:50:22 OPERATO 05:50:22 OPERATO 05:50:22 OPERATO PF1=Help 2=	DR USER DSC LOGOFF AS ZWEB05 DR USER DSC LOGOFF AS ZWEB04 DR USER DSC LOGOFF AS ZWEB05 = 3=Quit 4=Del Ho	USERS = 18 USERS = 17 USERS = 17 USERS = 17 USERS = 17 USERS = 17 USERS = 19 USERS = 19 USERS = 18 USERS = 17 USERS = 17	05:50:25 OPERATOR AUTO LOGON *** ZWEB04 USERS = 23 05:50:25 OPERATOR AUTO LOGON *** ZWEB05 USERS = 24 PF1=Help 2= 3=Return 4= 5=All PF7=Rackward 8=Forward 9=Loc Rack 10=Loc Fwd 11=	BY ZADMIN BY ZADMIN 6=PFKEY Off 12=Retrieve
====> [] 3279	- <u>9=LOC BUCK</u> 10=	43/008	====> 3279	43/008

#### **Suppressed messages**

	ZOPER - zOPERATOR Console															
ZOPCZO11	5E Error	1114	linkin	g to OP	ERAT	OR 191 HC	PLNM114E	: 01	PERATOR	0191	not	linked;	mode	or	password	incorrect
05:13:13	OPERATOR	USER	DSC	LOGOFF	AS	ZWEBLOG	USERS =	2.2	3							
05:13:13	OPERATOR	USER	DSC	LOGOFF	AS	ZADMIN	USERS =	22	2							
05:13:16	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB02	USERS =	21	1							
05:13:16	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB04	USERS =	20	0							
05:13:16	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB03	USERS =	: 19	9							
05:13:16	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB05	USERS =	18	8							
05:13:16	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB01	USERS =	- 17	7							
05:13:19	OPERATOR	AUTO	LOGON	***		ZADMIN	USERS =	18	8 ву	ZVPS						
05:13:19	OPERATOR	AUTO	LOGON	***		ZWEBLOG	USERS =	- 19	9 ву	ZADM	IN					
05:13:19	OPERATOR	AUTO	LOGON	***		ZWEB01	USERS =	= 2(	0 ву	ZADM	IN					
05:13:19	OPERATOR	AUTO	LOGON	***		ZWEB02	USERS =	21	1 ВУ	ZADM	IN					
05:13:19	OPERATOR	AUTO	LOGON	***		ZWEB03	USERS =	22	2 ВУ	ZADM	IN					
05:13:19	OPERATOR	AUTO	LOGON	***		ZWEB04	USERS =	23	3 ву	ZADM	IN					
05:13:19	OPERATOR	AUTO	LOGON	***		ZWEB05	USERS =	24	4 ву	ZADM	IN					
05:13:30	OPERATOR	GRAF	0700	LOGOFF	AS	ZVPS	USERS =	23	3							
05:13:37	OPERATOR	GRAF	0700	LOGON	AS	MAINT640	USERS =	24	4							
05:14:31	OPERATOR	GRAF	0700	LOGOFF	AS	MAINT640	USERS =	23	3							
05:14:36	OPERATOR	GRAF	0700	LOGON	AS	ZVPS	USERS =	24	4							
05:31:10	OPERATOR	USER	DSC	LOGOFF	AS	ZWEBLOG	USERS =	23	3							
05:31:10	OPERATOR	USER	DSC	LOGOFF	AS	ZADMIN	USERS =	22	2							
05:31:13	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB01	USERS =	21	1							
05:31:13	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB02	USERS =	= 2(	0							
05:31:13	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB03	USERS =	: 19	9							
05:31:13	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB04	USERS =	= 18	8							
05:31:13	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB05	USERS =	- 17	7							
05:31:16	OPERATOR	AUTO	LOGON	***		ZADMIN	USERS =	= 18	8 ВУ	ZVPS						
05:31:16	OPERATOR	AUTO	LOGON	***		ZWEBLOG	USERS =	- 19	9 ву	ZADM	IN					
05:31:16	OPERATOR	AUTO	LOGON	***		ZWEB01	USERS =	= 2(	0 ву	ZADM	IN					
05:31:16	OPERATOR	AUTO	LOGON	***		ZWEB02	USERS =	21	1 ВУ	ZADM	IN					
05:31:16	OPERATOR	AUTO	LOGON	***		ZWEB03	USERS =	22	2 ВУ	ZADM	IN					
05:31:16	OPERATOR	AUTO	LOGON	***		ZWEB04	USERS =	23	3 ву	ZADM	IN					
05:31:16	OPERATOR	AUTO	LOGON	***		ZWEB05	USERS =	24	4 ву	ZADM	IN					
05:50:19	OPERATOR	USER	DSC	LOGOFF	AS	ZWEBLOG	USERS =	23	3							
05:50:19	OPERATOR	USER	DSC	LOGOFF	AS	ZADMIN	USERS =	22	2							
05:50:22	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB01	USERS =	21	1							
05:50:22	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB02	USERS =	20	0							
05:50:22	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB03	USERS =	19	9							
05:50:22	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB04	USERS =	18	8							
05:50:22	OPERATOR	USER	DSC	LOGOFF	AS	ZWEB05	USERS =	- 17	7							

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PERFORMANCE

#### **Enterprise View**

Wednesday 30 May 2018 09:49

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zVIEW Version 4304

zVIEW - Velocity Software - VSIVM4 (DEMO)

Performance Displays for zVM and Linux on System z

ZOPER - zOPERATOR Console - VM1	🛛 🗊 🖉 🖓 🗐 🖸 😢	ZOPER - zOPERATOR Console - VM5 🛛 🗍 🖓 🖓 📮 🗆 🕄
09-26-00 OPERATOR ZWERDO 1107 67 218 00 131 00 194 67 210 177 7260	SVN-received	09:32:36 ZVSE62 DATE 05/30/2018, CLOCK 08/32/36, DURATION 00/00/19
09:26:00 OPERATOR ZWEB09 1219 67.218.99 131.80 194.67.210.177.4256	SYN-received	09:32:36 ZVSE62 Y1 0001 1Q3EI DYNAMIC CLASS 'Y' WAITING FOR WORK
09:26:00 OPERATOR ZWEB08 1293 67.218.99.131.80 194.67.210.177.31496	SYN-received	09:32:37 ZVSE52 Y1 0048 // JOB SCANVSM1
09:26:00 OPERATOR ZWEB08 1194 67.218.99.13180 194.67.210.1773091	SYN-received	09:32:53 ZVSE52 V1 0048 EOJ SCANVSMI MAX.RETURN CODE=0000
09:26:00 OPERATOR ZWEB12 1285 67.218.99.13180 194.67.210.17721712	SYN-received	09:35:01 2VSE52 BG 0000 // JOB LIBROLK
09:26:00 OPERATOR ZWEB12 1216 67.218.99.13180 194.67.210.17762885	SYN-received	09:35:23 ZVSE32 BG 0000 EGJ LERRUIR MAA.RETURN CODE=0000
09:26:00 OPERATOR ZWEB12 1199 67.218.99.13180 194.67.210.17717108	SYN-received	09:35:40 ZVSBUT IZ 0040 EOJ SCANVENS MAR.RETURN CODE=0000
09:26:00 OPERATOR ZWEB11 1267 67.218.99.13180 194.67.210.453390	SYN-received	09-36-20 ZVSE2 2 0046 EOI STERVSE3 MARKETEN CODE=0000
09:26:00 OPERATOR ZWEB11 1040 67.218.99.13180 194.67.210.463780	SYN-received	09:36:21 ZVSE52 S2 0046 // JOB STOPLAYS
09:26:00 OPERATOR ZWEB10 1042 67.218.99.13180 194.67.210.413648	SYN-received	09:36:30 ZVSE52 S1 0045 FOJ STGPLAY4 MAX.RETURN CODE=0000
09:26:00 OPERATOR ZWEB10 1309 67.218.99.13180 194.67.210.422913	SYN-received	09:40:00 ZVSE61 BG 0000 // JOB LIBRDIR
09:37:39 OPERATOR ZWEB10 1107 67.218.99.13180 213.17.190.6455146	SYN-received	09:40:01 ZVSE62 BG 0001 1047I BG LIBRDIR 48131 FROM (OPERATOR), TIME= 8:40:01,
09:46:24 OPERATOR ZWEB11 1309 67.218.99.13180 201.236.215.4358876	SYN-received	09:40:01 ZVSE62 TEN=0000007A
ZODED -ODEDATOD Composite VM2		09:40:01 ZVSE62 BG 0000 // JOB LIBRDIR
ZOPER - ZOPERATOR CONSOLE - VMZ	- 💵 🥖 🕜 🖉 🗖 🐼	09:40:01 ZVSE62 DATE 05/30/2018, CLOCK 08/40/01
09:25:57 ZVWS ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60		09:40:16 ZVSE61 BG 0000 EOJ LIBRDIR MAX.RETURN CODE=0000
09:25:57 OPERATOR EXEC SYNHACK		09:40:19 ZVSE62 BG 0000 EOJ LIBRDIR MAX.RETURN CODE=0000
09:25:59 ZVWS ZWEB01 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60		09:40:19 ZVSE62 DATE 05/30/2018, CLOCK 08/40/19, DURATION 00/00/18
09:25:59 OPERATOR EXEC SYNHACK		09:40:20 ZVSE62 BG 0001 1Q34I BG WAITING FOR WORK
09:25:59 ZVWS ZWEB05 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60		09:41:28 ZVSE52 S2 0046 EOJ STGPLAY5 MAX.RETURN CODE=0000
09:25:59 OPERATOR EXEC SYNHACK		
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60		ZOPER - zOPERATOR Console - RKS2LV 🛛 🗐 🖉 🚽 🗖 🔇
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR EXEC SYNHACK		ZOPER - zOPERATOR Console - RKS2LV         09:07:48 OPERATOR OP1191       192       D       R/O
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR EXEC SYNHACK 09:26:01 OPERATOR ZWEB02 1183 67.218.99.13280 194.67.210.17732819	SYN-received	ZOPER - ZOPERATOR Console - RKS2LV
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR EXEC SYNHACK 09:26:01 OPERATOR ZWEB02 1183 67.218.99.13280 194.67.210.17732819 09:26:01 ZVWS ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60	SYN-received	ZOPER - zOPERATOR Console - RKS2LV         09:07:48 OPERATOR OP1191       192       D       R/O         09:07:48 OPERATOR -       DIR       L       R/W       VMSYSVPS:OPERATOR.LOGS         09:07:48 OPERATOR MNT190       190       S       R/O
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR EXEC SYNHACK 09:26:01 OPERATOR ZWEB02 1183 67.218.99.13280 194.67.210.17732819 09:26:01 ZVWS ZWEB02 VSIWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:01 OPERATOR EXEC SYNHACK	SYN-received	ZOPER - zOPERATOR Console - RKS2LV         09:07:48 OPERATOR OP1191       192       D       R/O         09:07:48 OPERATOR -       DIR       L       R/W       VMSYSVPS:OPERATOR.LOGS         09:07:48 OPERATOR MINT190       190       S       R/O         09:07:48 OPERATOR TCM592       120       X       R/O
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZWBS ZWEB04 VSIWWW0009E THE TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR ZWEB02 1183 67.218.99.132.80 194.67.210.177.32819 09:26:01 OPERATOR ZWEB02 1183 67.218.99.132.80 194.67.210.177.32819 09:26:01 OPERATOR ZWEB02 VSIWWW0009E THE TCP/IP RECEIVE call failed RC=60 09:26:01 OPERATOR EXEC SYNHACK 09:31:37 ZWBS ZWEB05 VSIWWW0009E THE TCP/IP RECEIVE call failed RC=61 09:21 OPERATOR ZWEB05 VSIWWW0009E THE TCP/IP RECEIVE call failed RC=61	SYN-received	ZOPER - zOPERATOR Console - RKS2LV         09:07:48       OPERATOR OP1191       192       D       R/O         09:07:48       OPERATOR       DIR       L       R/W       VMSYSVPS: OPERATOR.LOGS         09:07:48       OPERATOR MNT190       190       S       R/O         09:07:48       OPERATOR TCM592       120       X       R/O         09:07:48       OPERATOR TCM592       120       X       R/O         09:07:48       OPERATOR TCM592       120       X       R/O         09:07:48       OPERATOR MNT19E       19E       Y/S       R/O         09:07:48       OPERATOR MNT19E       19E       Y/S       R/O
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR EXEC SYNHACK 09:26:01 OPERATOR ZWEB02 1183 67.218.99.13280 194.67.210.17732819 09:26:01 OPERATOR ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:01 OPERATOR EXEC SYNHACK 09:31:37 ZVWS ZWEB05 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR EXEC SYNHACK	SYN-received	ZOPER - zOPERATOR Console - RKS2LV         09:07:48 OPERATOR OP1191       192       D       R/O         09:07:48 OPERATOR MORTIPO       DIR       L       R/W       VMSYSVPS: OPERATOR.LOGS         09:07:48 OPERATOR MNT190       190       S       R/O         09:07:48 OPERATOR MNT190       190       S       R/O         09:07:48 OPERATOR MNT191       192       X       R/O         09:07:48 OPERATOR MNT191       192       X       R/O         09:07:48 OPERATOR MNT191       192       X       R/O         09:07:48 OPERATOR DO DOL WANTON DOL WASSENDER CONFERIOR OF DOL WASSENDER CONFERIOR       CONFERIOR OF DOL WASSENDER CONFERIOR OF DOL WASSENDER CONFERIOR
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR EXEC SYNHACK 09:26:01 OPERATOR ZWEB02 1183 67.218.99.13280 194.67.210.17732819 09:26:01 ZVWS ZWEB02 VSIWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:01 OPERATOR EXEC SYNHACK 09:31:37 ZVWS ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR EXEC SYNHACK	SYN-received	COPER - zOPERATOR Console - RKS2LV         09:07:48 OPERATOR OP1191 192 D       R/O         09:07:48 OPERATOR -       DIR       R/W       VMSYSVPS:OPERATOR.LOGS         09:07:48 OPERATOR MNT190 190 S       R/O         09:07:48 OPERATOR TOK592 120 X       R/O         09:07:48 OPERATOR MNT191E 19E       Y/S       R/O         09:07:48 OPERATOR MNT195       IPE       X/O         09:07:48 OPERATOR MNT196       IPE       Y/S         09:07:48 OPERATOR ACC VMSYSVPS:ZVPS.CONFIG       C         09:07:48 OPERATOR ACC VMSYSVPS:ZVPS.CONFIG       C         09:08:12 OPERATOR ACC VMSYSVPS:ZVPS.CONFIG C       D         09:08:13 OPERATOR DESADERIZITE (UNEXCUES: UNE CONFIG C)       B/O
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E THE TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR ZWEB02 1183 67.218.99.132.80 194.67.210.17732819 09:26:01 OPERATOR ZWEB02 VSIWWW0009E THE TCP/IP RECEIVE call failed RC=60 09:26:01 OPERATOR EXEC SYNHACK 09:31:37 ZVWS ZWEB05 VSIWWW0009E THE TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR EXEC SYNHACK <b>ZOPERATOR EXEC SYNHACK</b> 09:26:01 OPERATOR EXEC SYNHACK	SYN-received	ZOPER - zOPERATOR Console - RKS2LV09:07:48OPERATOR OP1191192DR/O09:07:48OPERATOR -DIRLR/WVMSYSVPS: OPERATOR.LOGS09:07:48OPERATOR MNT190190SR/O09:07:48OPERATOR TCM592120XR/O09:07:48OPERATOR MNT19E19EY/SR/O09:07:48OPERATOR MNT19E19EY/SR/O09:07:48OPERATOR MNT19E19EY/SR/O09:07:48OPERATOR ACC VMSYVPS: ZVPS.CONFIGC09:08:1209:08:12OPERATOR ACC VMSYVPS: ZVPS.CONFIG C09:08:13OPERATOR DMSACR723I C (VMSYSVPS: ZVPS.CONFIG) R/O09:08:13OPERATOR CRAFT LOODS LOCOFE ASZVPS.SET = 31
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR ZWEB02 1183 67.218.99.132.80 194.67.210.177.32819 09:26:01 OPERATOR ZWEB02 VSIWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:01 OPERATOR EXEC SYNHACK 09:31:37 ZVWS ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR EXEC SYNHACK <b>ZOPER - ZOPERATOR CONSOLE - Demo</b> 09:26:01 OPERATOR ZWEB08 1113 6/.218.99.134.80 194.67.210.440508 09:26:01 OPERATOR ZWEB08 1201 6/.218.99.134.80 194.67.210.440508	SYN-received	<b>ZOPER - ZOPERATOR Console - RKS2LV</b> $09:07:48$ OPERATOR OP1191192DR/O $09:07:48$ OPERATORDIRLR/WVMSYSVPS: OPERATOR.LOGS $09:07:48$ OPERATOR MNT190190SR/O $09:07:48$ OPERATOR MNT192120XR/O $09:07:48$ OPERATOR TCM592120XR/O $09:07:48$ OPERATOR MNT19E19EY/SR/O $09:07:48$ OPERATOR ACC VMSYSVPS: ZVPS.CONFIG C09:08:12OPERATOR GRAF L0005 $09:08:13$ OPERATOR GRAF L0005LOGOFF ASZVPSUSERS = 31 $09:08:17$ OPERATOR GRAF L0005LOGOFF ASZVPSUSERS = 31
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR ZWEB02 1183 67.218.99.13280 194.67.210.17732819 09:26:01 OPERATOR ZWEB02 VSIWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:01 OPERATOR EXEC SYNHACK 09:31:37 ZVWS ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR EXEC SYNHACK <b>ZOPER - ZOPERATOR Console - Demo</b> 09:26:01 OPERATOR ZWEB08 1113 6/.218.99.13480 194.67.210.440508 09:26:01 OPERATOR ZWEB08 1201 67.218.99.13480 194.67.210.427762 09:26:01 OPERATOR ZWEB08 1201 67.218.99.13480 194.67.210.427762	SYN-received	ZOPER - zOPERATOR Console - RKS2LV         09:07:48 OPERATOR OP1191 192 D R/O         09:07:48 OPERATOR - DIR L R/W VMSYSVPS:OPERATOR.LOGS         09:07:48 OPERATOR MNT190 190 S R/O         09:07:48 OPERATOR MNT191 192 Y/S R/O         09:07:48 OPERATOR MNT191 192 Y/S R/O         09:07:48 OPERATOR ACC VMSYSVPS:ZVPS.CONFIG C         09:08:12 OPERATOR DMSACT231 C (VMSYSVPS:ZVPS.CONFIG C         09:08:17 OPERATOR CMAR L0005 LOGOFF AS ZVPS USERS = 31         09:08:17 OPERATOR EXEC LOGMEON
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR ZWEB02 1183 67.218.99.13280 194.67.210.17732819 09:26:01 OPERATOR ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:31:37 ZVWS ZWEB05 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR EXEC SYNHACK <b>ZOPERATOR EXEC SYNHACK</b> 09:26:01 OPERATOR ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:26:01 OPERATOR ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:26:01 OPERATOR ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:26:01 OPERATOR ZWEB08 1113 6/.218.99.13480 194.67.210.440508 09:26:01 OPERATOR ZWEB08 1201 67.218.99.13480 194.67.210.477.44114 09:26:01 OPERATOR ZWEB11 107 67.218.99.13480 194.67.210.17744114 09:26:01 OPERATOR ZWEB10 1025 67.218.99.13480 194.67.210.17744114	SYN-received	ZOPER - zOPERATOR Console - RKS2LV         09:07:48 OPERATOR OP1191       192 D       R/O         09:07:48 OPERATOR -       DIR L       R/W       VMSYSVPS:OPERATOR.LOGS         09:07:48 OPERATOR MNT190       190 S       R/O         09:07:48 OPERATOR TCM592       120 X       R/O         09:07:48 OPERATOR TCM592       120 X       R/O         09:07:48 OPERATOR MNT19E       19E Y/S R/O         09:07:49 OPERATOR MNT19E       19E Y/S R/O         09:08:12 OPERATOR MOL COMSYSTPS:ZVPS.CONFIG C       09:08:13 OPERATOR DAGC WASYSTPS:ZVPS.CONFIG N/O         09:08:13 OPERATOR CRAF LOODS LOGOFF AS ZVPS       USERS = 31         09:08:17 OPERATOR EXEC LOGMEON       09:08:17 OPERATOR LOGMEON:         09:08:17 OPERATOR CRAF LOUDOS LOGOFON AS ZVPS       USERS = 32         09:08:17 OPERATOR CRAF LOUDOS LOGOFON AS ZVPS       USERS = 32
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR ZWEB02 1183 67.218,99.132.80 194.67.210.177.32819 09:26:01 OPERATOR ZWEB02 VSIWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:01 OPERATOR EXEC SYNHACK 09:31:37 ZVWS ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR EXEC SYNHACK <b>ZOPER - ZOPERATOR CONSOLE - Demo</b> 09:26:01 OPERATOR ZWEB08 1211 6/.218.99.134.80 194.67.210.44.40508 09:26:01 OPERATOR ZWEB11 1107 67.218.99.134.80 194.67.210.477.62 09:26:01 OPERATOR ZWEB11 1107 67.218.99.134.80 194.67.210.177.44114 19:26:01 OPERATOR ZWEB11 1025 67.218.99.134.80 194.67.210.177.4413	SYN-received SYN-received SYN-received SYN-received SYN-received SYN-received	<b>COPER - ZOPERATOR Console - RKS2LV</b> $09:07:48$ OPERATOR OP1191192DR/O $09:07:48$ OPERATOR -DIRLR/WVMSYSVPS: OPERATOR.LOGS $09:07:48$ OPERATOR MNT190190SR/O $09:07:48$ OPERATOR MNT192120XR/O $09:07:48$ OPERATOR MNT192120XR/O $09:07:48$ OPERATOR MNT19E19EY/SR/O $09:07:48$ OPERATOR MNT19E19EY/SR/O $09:07:48$ OPERATOR ACC VMSYSVPS:SOFIG C09:08:13OPERATOR ACC VMSYSVPS:ZVPS.CONFIG C $09:08:13$ OPERATOR DMSACR7231 C (VMSYSVPS:ZVPS.CONFIG C09:08:17OPERATOR GRAF L0005 $09:08:17$ OPERATOR EXEC LOGMEON09:08:17OPERATOR LOGMEON: $09:08:17$ OPERATOR LOGMEON:09:08:17OPERATOR GRAF L0006 LOGON ASZVPS $09:22:40$ OPERATOR GRAF L0006 LOGON ASZVPSUSERS = 31 $09:22:40$ OPERATOR GRAF L0006 LOGON ASZVPSUSERS = 31 $09:22:40$ OPERATOR GRAF L0006 LOGON ASZVPSUSERS = 31
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09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR ZWEB02 1183 67.218.99.132.80 194.67.210.17732819 09:26:01 OPERATOR ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:31:37 ZVWS ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR EXEC SYNHACK 09:31:37 OPERATOR ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:26:01 OPERATOR ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:26:01 OPERATOR ZWEB08 1113 67.218.99.134.80 194.67.210.440508 09:26:01 OPERATOR ZWEB11 107 67.218.99.134.80 194.67.210.477.44114 09:26:01 OPERATOR ZWEB11 0125 67.218.99.134.80 194.67.210.17744114 09:26:01 OPERATOR ZWEB12 1110 67.218.99.134.80 194.67.210.17763037 09:26:10 OPERATOR ZWEB12 1110 67.218.99.134.80 194.67.210.17763037 09:26:10 ZALERT LPCP LPAR VSIVW4 CPU Utilization fs 99% 09:26:10 ZALERT LPCP LPAR VSIVM4 CPU Utilization for grocess smallstr-18848 on suselnx2 is 5	SYN-received SYN-received SYN-received SYN-received SYN-received SYN-received	<b>COPER - ZOPERATOR Console - RKS2LV</b> 09:07:48 OPERATOR OP1191       192 D       R/O         09:07:48 OPERATOR -       DIR L       R/W       VMSYSVPS: OPERATOR.LOGS         09:07:48 OPERATOR MNT190       190 S       R/O         09:07:48 OPERATOR TCM592       120 X       R/O         09:07:48 OPERATOR TCM592       120 X       R/O         09:07:48 OPERATOR MNT190       190 S       R/O         09:07:48 OPERATOR TCM592       120 X       R/O         09:07:48 OPERATOR MNT19E       19E Y/S R/O       09:07:48         09:07:48 OPERATOR MNT19E       19E Y/S R/O       09:07:48         09:08:12 OPERATOR ACC VMSYSVPS:ZVPS.CONFIG C       09:08:12 OPERATOR DAGCAC VMSYSVPS:ZVPS.CONFIG C         09:08:13 OPERATOR CRAFLOOOS LOGOFF AS ZVPS       USERS = 31         09:08:17 OPERATOR CRAFLOOOS LOGMEON:       09:08:17 OPERATOR CRAFLOOOS LOGOFF AS ZVPS         09:08:17 OPERATOR GRAFLOOOG LOGOFF AS ZVPS       USERS = 32       FROM 192.168.5.75         09:24:03 OPERATOR GRAFLOOOG LOGOFF AS ZVPS       USERS = 31       09:24:03 OPERATOR LOGMEON:         09:24:03 OPERATOR LOGMEON USERS       09:24:03 OPERATOR LOGMEON USERS       109:24:03 OPERATOR LOGMEON USERS
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR ZWEB02 1183 67.218.99.132.80 194.67.210.177.32819 09:26:01 OPERATOR ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:01 OPERATOR ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 ZVWS ZWEB05 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR ZWEB05 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR ZWEB05 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:26:01 OPERATOR ZWEB08 1213 67.218.99.134.80 194.67.210.427762 09:26:01 OPERATOR ZWEB08 1201 67.218.99.134.80 194.67.210.427762 09:26:01 OPERATOR ZWEB11 1107 67.218.99.134.80 194.67.210.177.44114 09:26:01 OPERATOR ZWEB10 1025 67.218.99.134.80 194.67.210.177.44114 09:26:01 OPERATOR ZWEB10 1105 67.218.99.134.80 194.67.210.177.63037 09:26:10 ZALERT LPCC LPAR VSIVM4 CPU Utilization is 99% 09:26:10 ZALERT LPCC LPAR VSIVM4 CPU Utilization is 100%	SYN-received SYN-received SYN-received SYN-received SYN-received SYN-received	COPER - zOPERATOR Console - RKS2LV         09:07:48       OPERATOR OP1191       192       D       R/O         09:07:48       OPERATOR -       DIR       L       R/W       VMSYSVPS: OPERATOR.LOGS         09:07:48       OPERATOR MNT190       190       S       R/O         09:07:48       OPERATOR MNT192       120       X       R/O         09:07:48       OPERATOR TCM592       120       X       R/O         09:07:48       OPERATOR MNT19E       19E       Y/S       R/O         09:07:48       OPERATOR MNT19E       19E       Y/S       R/O         09:07:48       OPERATOR MNT19E       19E       Y/S       R/O         09:07:48       OPERATOR ACC (WSYSVPS:SUPS: CONFIG C       09:08:12       OPERATOR MMSACR7231 C (VMSYSVPS: ZVPS.CONFIG C         09:08:17       OPERATOR GRAF L0005       LOGMEON:       09:08:17       OPERATOR LOCMEON:         09:08:17       OPERATOR CRAF L0006 LOGOFT AS ZVPS       USERS = 31       09:2.168.5.75         09:22:40       OPERATOR GRAF L0006 LOGOFT AS ZVPS       USERS = 31         09:24:03       OPERATOR LOGMEON: USERS       09:24:03       OPERATOR LOGMEON: USERS         09:24:03       OPERATOR LOGMEON: USERS       09:24:21       OPERATOR COR GRAF L0006
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09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR ZWEB02 1183 67.218.99.13280 194.67.210.17732819 09:26:01 OPERATOR ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:31:37 ZVWS ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR EXEC SYNHACK 09:31:37 OPERATOR EXEC SYNHACK 09:31:37 OPERATOR ZWEB05 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR ZWEB05 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:26:01 OPERATOR ZWEB05 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:26:01 OPERATOR ZWEB08 113 67.218.99.13480 194.67.210.440508 09:26:01 OPERATOR ZWEB10 1025 67.218.99.13480 194.67.210.477.44114 09:26:01 OPERATOR ZWEB10 1025 67.218.99.13480 194.67.210.17744114 09:26:10 OPERATOR ZWEB12 1110 67.218.99.13480 194.67.210.17763037 09:26:10 ZALERT LPCP LPAR VSIVM4 CPU Utilization is 99% 09:36:10 ZALERT LPCP LPAR VSIVM4 CPU Utilization is 100% 09:36:10 ZALERT LPCP LPAR VSIVM4 CPU Utilization is 100% 09:36:10 ZALERT LPCP LPAR VSIVM4 CPU Utilization is 102%	SYN-received SYN-received SYN-received SYN-received SYN-received SYN-received SYN-received SYN-received	ZOPER - zOPERATOR Console - RKS2LV         09:07:48 OPERATOR OP1191 192 D R/O         09:07:48 OPERATOR - DIR L R/W VMSYSVPS:OPERATOR.LOGS         09:07:48 OPERATOR TCM592 120 X R/O         09:07:48 OPERATOR TCM592 120 X R/O         09:07:48 OPERATOR MNT190 190 S R/O         09:07:48 OPERATOR TCM592 120 X R/O         09:07:48 OPERATOR MNT19E 19E Y/S R/O         09:07:48 OPERATOR ACC VMSYSVPS:ZVPS.CONFIG C         09:08:12 OPERATOR DAGC VMSYSVPS:ZVPS.CONFIG C         09:08:13 OPERATOR CRAFLOUOS LOGOFF AS ZVPS USERS = 31         09:08:17 OPERATOR CRAFLOUOS LOGOFF AS ZVPS USERS = 31         09:08:17 OPERATOR GRAF LOUOS LOGOFF AS ZVPS USERS = 31         09:08:17 OPERATOR CRAFLOUOS LOGOFF AS ZVPS USERS = 31         09:24:10 OPERATOR LOGMEON:         09:24:10 OPERATOR LOGMEON USERS         09:24:10 OPERATOR CONCLOGON AS ZVPS USERS = 32         09:24:12 OPERATOR LOGMEON USERS         09:24:12 OPERATOR GRAF LOUOS LOGOFF AS ZVPS USERS = 32         09:24:12 OPERATOR GRAF LOUOS LOGOFF AS ZVPS USERS = 32         09:24:12 OPERATOR GRAF LOUOS LOGOFF AS ZVPS USERS = 31         09:24:12 OPERATOR GRAF LOUOS LOGOFF AS ZALERT USERS = 31         09:24:25 OPERATOR USER DSC LOGOFF AS ZALERT USERS = 31         09:24:25 OPERATOR USER DSC LOGOFF AS ZALERT USERS = 31
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR ZWEB02 1183 67.218.99.132.80 194.67.210.177.32819 09:26:01 OPERATOR ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:01 OPERATOR ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR EXEC SYNHACK 09:31:37 OPERATOR ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:31:37 OPERATOR ZWEB08 1211 67.218.99.134.80 194.67.210.4.40508 09:26:01 OPERATOR ZWEB08 1201 67.218.99.134.80 194.67.210.4.40508 09:26:01 OPERATOR ZWEB08 1201 67.218.99.134.80 194.67.210.177.44114 09:26:01 OPERATOR ZWEB10 1025 67.218.99.134.80 194.67.210.177.44114 09:26:01 OPERATOR ZWEB10 1025 67.218.99.134.80 194.67.210.177.63037 09:26:10 ZALERT LPCP LPAR VSIVM4 CPU Utilization is 99% 09:26:10 ZALERT LPCP LPAR VSIVM4 CPU Utilization is 100% 09:36:11 ZALERT LPCP LPAR VSIVM4 CPU Utilization is 100% 09:36:10 ZALERT LNPR CPU Utilization for process smallstr-19599 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for proce	SYN-received SYN-received SYN-received SYN-received SYN-received SYN-received SYN-received SYN-received	COPER - zOPERATOR Console - RKS2LV         09:07:48       OPERATOR OP1191       192       D       R/O         09:07:48       OPERATOR -       DIR       L       R/W       VMSYSVPS: OPERATOR.LOGS         09:07:48       OPERATOR MNT190       190       S       R/O         09:07:48       OPERATOR MNT191       190       S       R/O         09:07:48       OPERATOR TCM592       120       X       R/O         09:07:48       OPERATOR TCM592       120       X       R/O         09:07:48       OPERATOR TCM592       120       X       R/O         09:07:48       OPERATOR TCM55YUPS: 2VPS.CONFIG       C       09:08:12       OPERATOR ACC (WSYSVPS: 2VPS.CONFIG C         09:08:17       OPERATOR GRAF LOUGS LOGOFF AS ZVPS       USERS = 31       09:08:17       OPERATOR LOGMEON:         09:08:17       OPERATOR ICAMEON:       09:08:17       OPERATOR CORAF LOUGO LOGOFF AS ZVPS       USERS = 32       FROM 192.168.5.75         09:22:40       OPERATOR LOGMEON:       USERS       91:24:03       OPERATOR LOGMEON USERS       09:24:03       OPERATOR LOGMEON USERS         09:24:13       OPERATOR USERS       09:24:121       OPERATOR USERS       09:24:121       OPERATOR USER DSC       LOGOFF AS ZALERT       USERS =
09:25:59 OPERATOR EXEC SYNHACK 09:26:00 ZVWS ZWEB04 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:00 OPERATOR ZWEB02 1183 67.218.99.13280 194.67.210.17732819 09:26:01 OPERATOR ZWEB02 1183 67.218.99.13280 194.67.210.17732819 09:26:01 OPERATOR ZWEB02 VSIWWW0009E The TCP/IP RECEIVE call failed RC=60 09:26:01 OPERATOR EXEC SYNHACK 09:31:37 OVERATOR EXEC SYNHACK 09:31:37 OPERATOR EXEC SYNHACK 09:26:01 OPERATOR ZWEB05 VSIWW0009E The TCP/IP RECEIVE call failed RC=61 09:26:01 OPERATOR EXEC SYNHACK 09:26:01 OPERATOR ZWEB08 1113 67.218.99.13480 194.67.210.427762 09:26:01 OPERATOR ZWEB1 1107 67.218.99.13480 194.67.210.427762 09:26:01 OPERATOR ZWEB11 1107 67.218.99.13480 194.67.210.17744114 109:26:01 OPERATOR ZWEB11 1107 67.218.99.13480 194.67.210.17744114 09:26:01 OPERATOR ZWEB11 1107 67.218.99.13480 194.67.210.17763037 09:26:10 ZALERT LPCP LPAR VSIVM4 CPU Utilization is 99% 09:26:10 ZALERT LNPR CPU Utilization for process smallstr-19599 on suselnx2 is 5 09:46:10 ZALERT LPCP LPAR VSIVM4 CPU Utilization is 100% 09:36:11 ZALERT LPCP LPAR VSIVM4 CPU Utilization is 102% 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-19599 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU Utilization for process smallstr-20327 on suselnx2 is 5 09:46:10 ZALERT LNPR CPU UTILIZATION IS 102% 09:46:10 ZALERT LNPR CPU UTILIZATION SUSEN = 117 BY ZADMIN	SYN-received SYN-received SYN-received SYN-received SYN-received SYN-received SO&	COPER - zOPERATOR Console - RKS2LV         09:07:48       OPERATOR OP1191       192       D       R/O         09:07:48       OPERATOR MIT190       190       S       R/O         09:07:48       OPERATOR MIT190       190       S       R/O         09:07:48       OPERATOR MIT190       190       S       R/O         09:07:48       OPERATOR MIT192       120       X       R/O         09:07:48       OPERATOR MIT19E       19E       Y/S       R/O         09:07:48       OPERATOR MIT19E       19E       Y/S       R/O         09:07:48       OPERATOR MIT19E       19E       Y/S       R/O         09:07:48       OPERATOR ACC VMSYSUPS: SUPSE SCONFIG C       09:08:13       OPERATOR GRAF L0005       COGPT AS         09:08:17       OPERATOR EXEC LOGGMEON       USERS = 31       09:08:17       OPERATOR CRAF L0006 LOGON AS       ZVPS       USERS = 31         09:08:17       OPERATOR CRAF L0006 LOGON AS       ZVPS       USERS = 31       09:21:68.5.75         09:24:03       OPERATOR LOGMEON:       USERS       93       19:2.168.5.75       09:24:21         09:24:13       OPERATOR LOGMEON:       USERS       93       19:2.168.5.75       09:26:25         <



# **Taking Action**

#### Trapping a required machine log off



09:26:25 OPERATOR USER DSC LOGOFF AS ZALERT USERS = 31 09:26:25 OPERATOR LOGMEON ZALERT 09:26:41 OPERATOR Command accepted 09:26:41 OPERATOR AUTO LOGON \*\*\* ZALERT USERS = 32 BY OPERATOR 09:26:41 OPERATOR HCPCLS6056I XAUTOLOG information for ZALERT: The IPL command is verified by the IPL command processor.



# **Taking Action**

Send		Make sure email						
Email from domain SMTP server		velocitysoftwo VM:SMTP	_	in zOPERATOR configuration				
Match:	Msg type CPOUT Start col 21 Start col2 32	User ID OPERAT End col * = End col2 * =	OR Commen Target LO Target ZA	<mark>t</mark> Trap zAl GOFF LERT	.ERT	log off		
Action:	Color RED Send to Cmd LOGMEON &5	Ext highlight	Send ty	Suppress pe Fil	.e	Hold Send 2	Stop SERVE	YES
	EMAIL address	rich@velocitysof	tware.com			SNM	o trap	

OPERATOR@rks2lv.velocitysoftware.com

Message from zOPERATOR: OPERATOR USER DSC LOGOFF AS ZALERT USERS = 31

To: RICH@VELOCITYSOFTWARE.COM,

Reply-To: No reply

10:23:11 OPERATOR USER DSC LOGOFF AS ZALERT USERS = 31



# **Trap Configuration**

#### **Create/Modify SNMP TRAPDEST on the CONFIG disk**

\* following is default 1.3.6.1.4.1.15601 192.168.5.182 velocity 2B06010401F971 ;

#### Make sure OPERATOR is authorized in zTCP

#### In ESATCP PARMS

authuser = 'ZALERT'
authuser = 'OPERATOR'



# Sending a Trap



# Sending a Trap

#### **Result of sending the trap**

247	Normal 🕀 🗆	Jan 11, 2017 2:08:03 PM 🕢 🖻	192.168.5.48 🕀 🗆
		uei.opennms.org/generic/traps/EnterpriseDefault 🗄 🖯 Edit notifications for event	
		Trap from 192.168.5.48	
		Nype: 0 Message: LINUX001 sshd[4734]: error: PAM: Authentication failure for root from 192.168.5.77	



### zALERT Clickthru

#### Works for messages routed to OPERATOR

alert cpuutil vmcp limit 5 1 | &userid level 20 yellow rev action cp msg op &code &atext level 40 red text &userid running at &cpuutil%



### zALERT Clickthru

### **CLICKTHRU** directive in CONFIG ZALERT

CLICKTHRU VMCP GRAPH=USERCPU USER=W1

#### Points to a display element in zVIEW

– Passes an optional parameter



Alerts configured for click through are underlined



# zALERT Clickthru

#### Click on an alert code

- Bring up the specific report, graph or view
- Targeted to the optional parameter





- Proactive monitoring can watch the system
  - Based on monitor data or console activity
- Notifications can be delivered for more critical issues
- Management consoles fit this mechanism perfectly
- Many useful samples are provided



#### **Questions?**

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