PAWZ Server V15.0 New Features

Revision/Update: Release Document. May 2020

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Release Overview

This document describes new features in version V15.0 of the PAWZ Server.

This document describes new features in version V15.0 of the PAWZ Server. See the **RESTful API Guide, PAWZ** Server V15.0 for more information on the RESTful API.

PAWZ Server management

- MSSQL Server added has Hosted nodes
 - o SQL Server User Login
 - o Active Directory Password Login

15.0 policies download now daily exc	ptions real time exceptions		Logg
😵 Node Policies			
	iearch Reset		
Node Name	pawz(MSSQLSERVER)	Data Collection Dump Interval	60 v seconds
IP Address			-none- seconds
IP Address	11.12.13.14 DC Host IP Address 192.168.0	Agent Port 1661 Retain data for	365 days on the node
DNS Suffix	public,123456789abcdef.databasi	RT Agent Port 2101 Restart Attempts	0
os	MSSQL Host Info	Data Collector Version	V15.0-002
Cluster Member	-none-	PAWZ Agent Version	V15.0-002
Summary Group Member	mssolserver.AzureDatabase	Status	Data Collector Up Stop Data Collector
Location	Unknown	Status Check Frequence	
Dashboard Location Member		Status Check Frequency	y 2 • minutes Advanced
Dashboard Service Member		Real Time Data Collec	
System Time Zone	Unknown		
Description			
		Custom Properties	N/A
Templates Node	default		
Data Management	default Uisplay		
Enable auto download	Generate trend data	Advanced Data Mana	gement
Standard Download time	01 • : 00 • (HH:MM) Every Day •	Peak hours	08 V : 00 V To 17 V : 00 V (HH:MM).
Retain data in PAWZ database for	365 days Recover missing data for 14 days	EMail Notification :	Specify Notification
Retain favorite data in PAWZ database for	60 days		
Enable Data Quality Processing		Check Local Data I	
Enable Secondary Download		Enable Detailed Lo	agging Advanced
Enable Secondary Download		C Enable Detailed Lo	aging Harancean

🕙 PAWZ - Google Chrome		- 0	×
MSSQL DC Ho	st Info		Â
MSSQL Host DC Info			
Node Name	pawz(MSSQLSERVER)]	
DC Host IP (Windows)	192.168.0.201		
MSSQL DNS String/IP	pawz.public.123456789abcdef.database.windows.net	(e.g. nodename.perfcap.com or 123.1.1.1)	
MSSQL Host Name	pawz.public.123456789abcdef.database.windows.net	(fully qualified or unqualified)	- 1
MSSQL Port	3342	(SQL Server default 1433)	
Authentication	SQL Server Authentication Azure Active Directory - Password		
User Name	support@perfcap.com		
Password]	- 1
Confirm Password			
	Test Database Connection		
Verbose Collector Logging			
	Back Save Delete DC Ho:	st Info	-

- PAWZ Server Open JDK support
 - Installation has option to install OpenJDK

PAWZ Server 15.0 - May 2020	×
Select Features Select the features setup will install.	PAWZ Performance Analysis Web Zone
Select the features you want to install, and deselve PAWZ Server PAWZ Planner Dashboard FindIT Server OpenJDK 445.59 MB of space required on the C drive 143198.04 MB of space available on the C drive	ect the features you do not want to install. Description Primary PAWZ Server Feature
InstallShield -	< <u>B</u> ack <u>N</u> ext > Cancel

- PAWZ Server additional configuration
 - PAWZ software bundle information

Configuration of node pawz (
System nodename	pawz(MSSQLSERVER)
MSSQL Server Config Time Loaded	5/26/2020 1:01:00 AM
Operating System Name	MSSQL
Software Bundle Protocol	1430
Software Package	package V15.0 ecap.pawz,asset 64 mssql 20190927
SQL	
MSSQL Server Name	pawz(MSSQLSERVER)
MSSQL Server Version	Microsoft SQL Azure (RTM) - 12.0.2000.8 Apr 9 2020 16:39:55
MSSQL Server Edition	SQL Azure
MSSQL Server vCPU Count	4
MSSQL Server Hyper Thread Ratio	4
MSSQL Server Max Workers	1220
MSSQL Server Virtual	True
MSSQL Server Instance Name	
MSSQL Server Product Level	RTM
MSSQL Server Product Version	12.0.2000.8

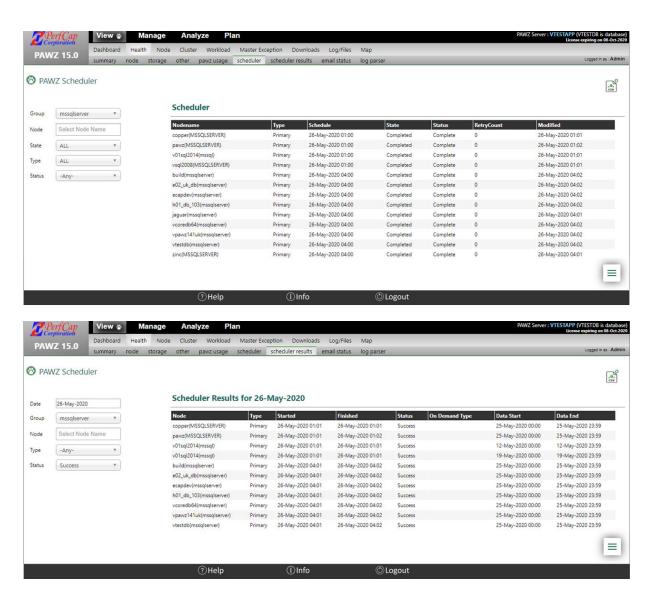
- MSSQL configuration information
 - SQL software edition and version

Configuration of node pawz(MSSQLSERVER) on May 26, 2020

System	
nodename	pawz(MSSQLSERVER)
MSSQL Server Config Time Loaded	5/26/2020 1:01:00 AM
Operating System Name	MSSQL
Software Bundle Protocol	1430
Software Package	package V15.0 ecap,pawz,asset 64 mssql 20190927
SQL	
MSSQL Server Name	pawz(MSSQLSERVER)
MSSQL Server Version	Microsoft SQL Azure (RTM) - 12.0.2000.8 Apr 9 2020 16:39:55
MSSQL Server Edition	SQL Azure
MSSQL Server vCPU Count	4
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MSSQL Server Virtual	True
MSSQL Server Instance Name	
MSSQL Server Product Level	RTM
MSSQL Server Product Version	12.0.2000.8

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- PAWZ Server management
 - o New PAWZ Server scheduling state web pages



- PAWZ Server email reports
 - o Data collector Low Diskspace reporting
 - Data collector suspended reporting

PAWZ data collector alert report: 2

Server: ECAPDEV (TEST) Data collectors suspended: 1 Data collectors with low space: 1 User: admin

Data collectors suspended, (Data collection stopped due to low diskspace. Free diskspace is below the suspend threshold.):

Name	IP	os	Time	Status	Threshold units	Threshold resume	Threshold suspend
sunx64g	192.168.1.170	Sun Solaris x86	27-May-2020 23:32	DC Suspended	Gb	1.0	0.8

Name	IP	os	Time	Status	Threshold units	Threshold resume	Threshold suspend
e01sun32	192.168.1.157	Sun Solaris x86	27-May-2020 23:32	DC Up, Low Diskspace	Percent	20.0	10.0

• PAWZ Server What-IF modeling changes

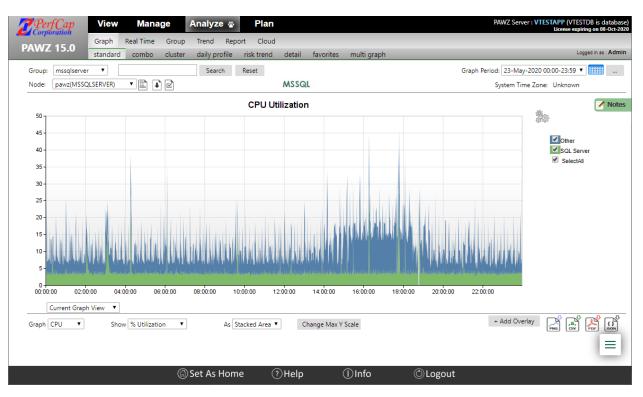
• Support for Virtual OS

PerfCap	View	Manage Ar	alyze Plan »	PAWZ Server : VTESTAPP (VTESTDB is database) License expiring on 08-Oct-2020
PAWZ 15.0	Daily Satura	tion What If		
PAWZ 15.0	single-tier	server consolidation	cloud models	Logged in as : Admin
		🕲 What If		A
		Planner Info		
		Group:	LINSRV v Search Reset	
		NodeName	linsrv_00001 v	
		Operating System	Windows	
		Merge / Model File:	C:\inetpub\wwwroot\pawz\res\planfiles\linsrv_00001_2020may23_0000.merg Browse	
		Current Configurati		
		Cpu Vendor	Hewlett-Packard Company	
		Cpu Model	ProLiant DL360 G5 (2.66 GHz, Intel Xeon processor 5150) - 21 🔹	
		Processor	Intel Xeon 5150 (2.66 GHz, 4 MB L2 shared, 1333 MHz bus)	
		Number of CPUs	8 SPEC Rating 21 Memory 32104 mb Number of Disks 1	
		Proposed Configura	Preserve Save Current Configuration	
		OS Configura	Solaris V	
		Cpu Vendor	Hewlett-Packard Company	
		Cpu Model	ProLiant DL370 G6 (3.2 GHz, Intel Xeon W5580) - 38.2	
		Processor	Intel Xeon W5580	
		Number of CPUs	16 SPEC Rating 38.2 Memory 49152 MB Number of Disks 1	
			Run Saturation Analysis	
				-
			⑦ Help ① Info ◎ Logout	

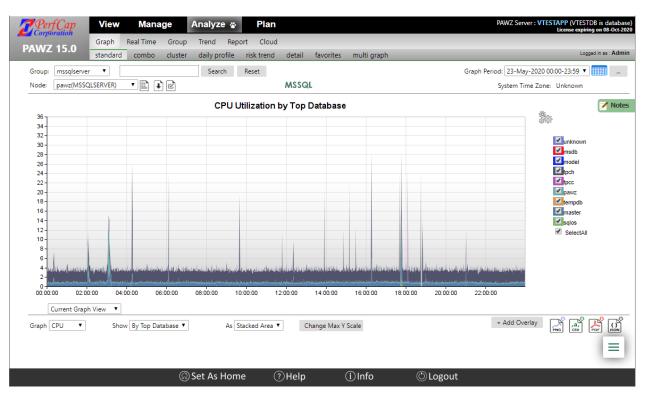
PAWZ Server new Data Items

Microsoft SQL

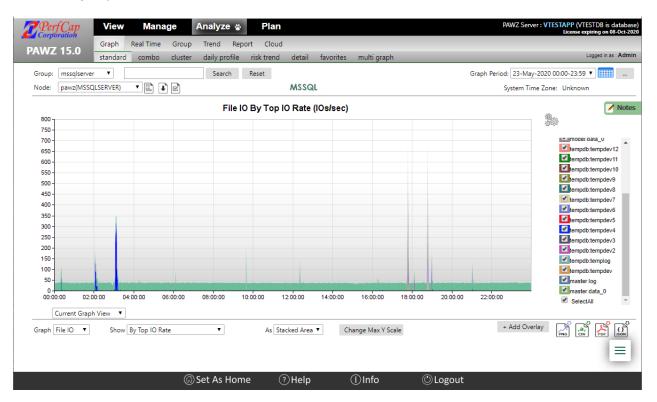
CPU -> %Utilization



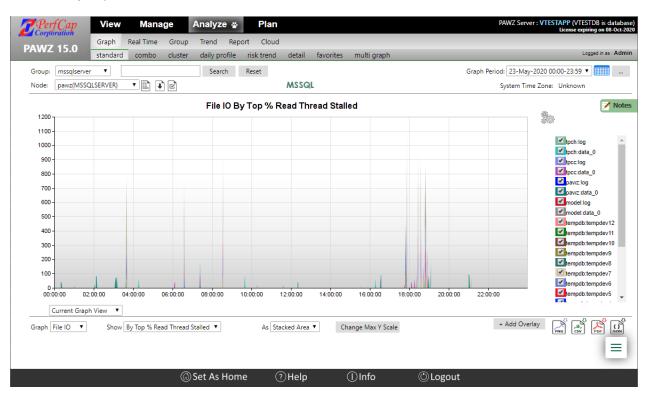
• CPU -> Utilization by Top Databases



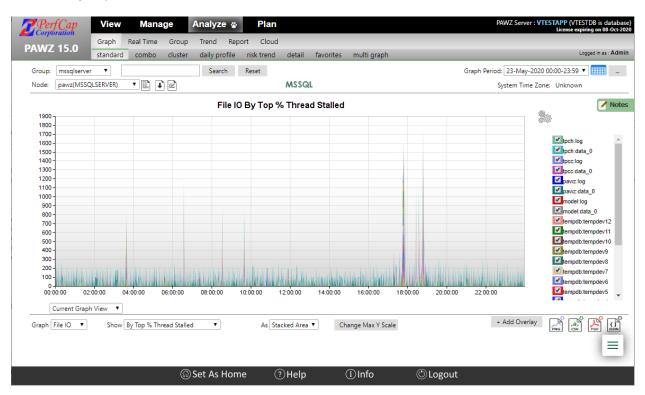
File IO -> By Top IO Rate



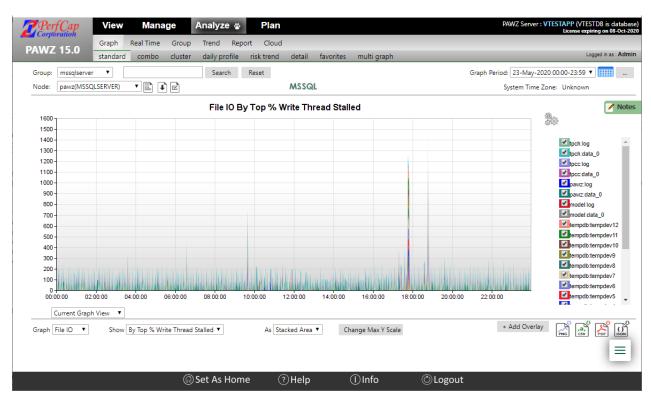
• File IO -> By Top % Read Thread Stalled



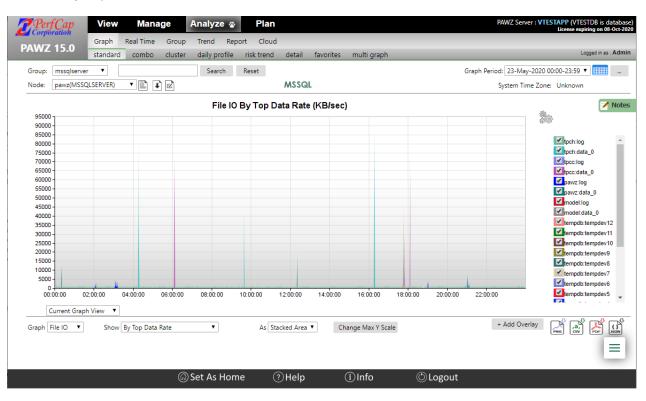
• File IO -> By Top % Thread Stalled



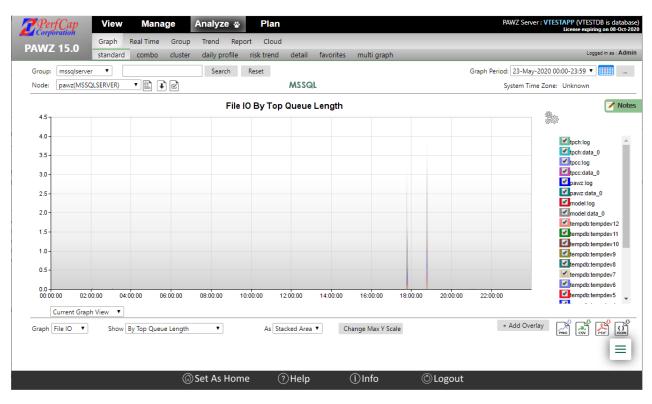
File IO -> By Top % Write Thread Stalled



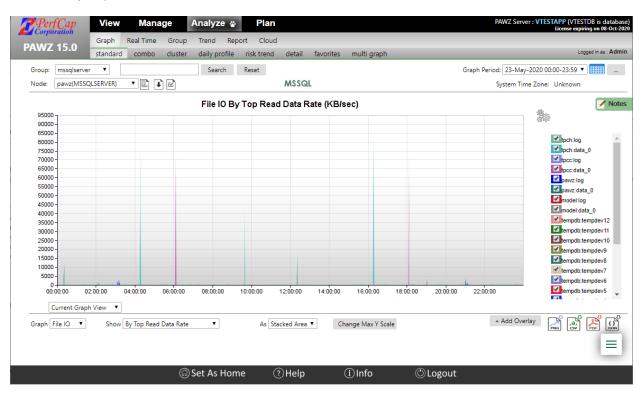
• File IO -> By Top Data Rate



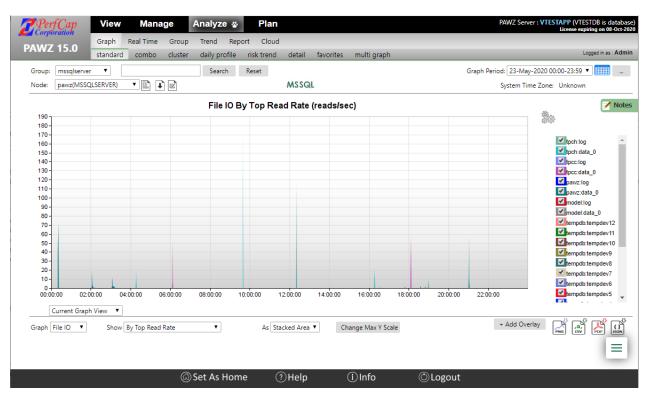
• File IO -> By Top Queue Length



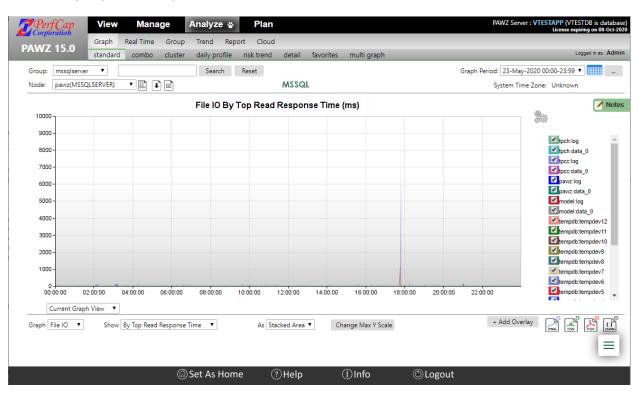
• File IO -> By Top Read Data Rate



• File IO -> By Top Read Rate



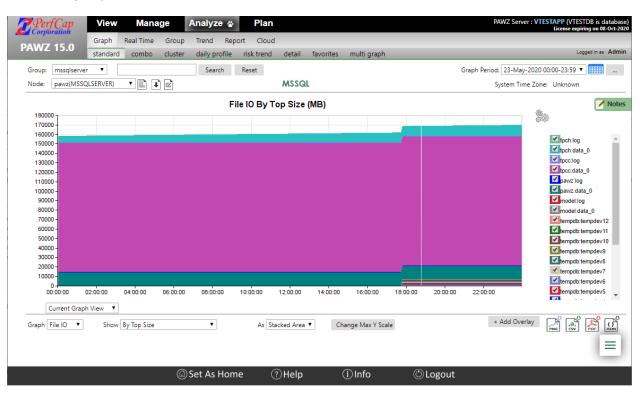
• File IO -> By Top Read Response Time



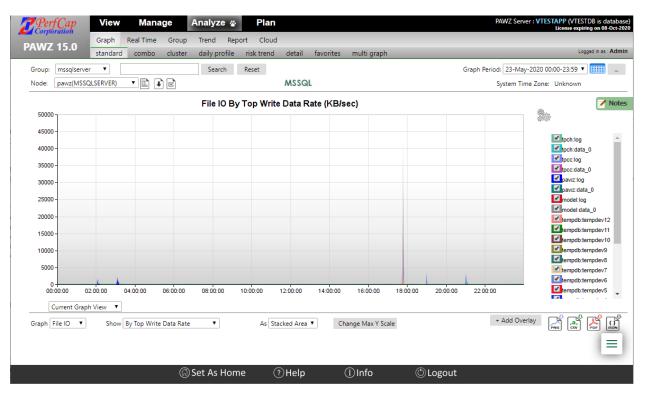
• File IO -> By Top Response Time

AWZ	15.0	Graph standar	Real Time d combo			oort Cloud risk trend	detail	favorites	multi graph	_	_	_	Logged in as : Admin
Group:	mssqlserver	r 🔻			Search	Reset					G	raph Period: 23-N	/lay-2020 00:00-23:59 ▼ 🗰
Node:	pawz(MSSC	LSERVER)	•	t C			MSSQ	L				System	Time Zone: Unknown
					File	IO By Top	Respon	se Time					📝 Notes
150000 140000 130000 120000 100000 90000 80000 70000 60000 50000 40000 30000) -) -) -) -) -) -) -) -												<pre> tpch.iog tpch.data_0 tpcc.clog tpcc.data_0 vpcc.data_0 vpcc.data_0 vmodel.iog model.iog wmodel.iog tempdb.tempdev12 tempdb.tempdev11 vempdb.tempdev10 vempdb.tempdev9 </pre>
00)- 	02:00:00 n View 🔻	04:00:00	06:00:00) 08:00:00	10:00:00	12:00:00	14:00:00	16:00:00	18:00:00	20:00:00	22:00:00	tempdb.tempdev8 tempdb.tempdev7 tempdb.tempdev6 tempdb.tempdev5 tempdb.tempdev5 tempdb.tempdev5 tempdb.tempdev5
Graph F	ile IO 🔻	Shov	v By Top Res	ponse Time	· •	As Sta	icked Area	▼ Ch	ange Max Y Scalı	e		+ Add C	Vverlay a cov for the

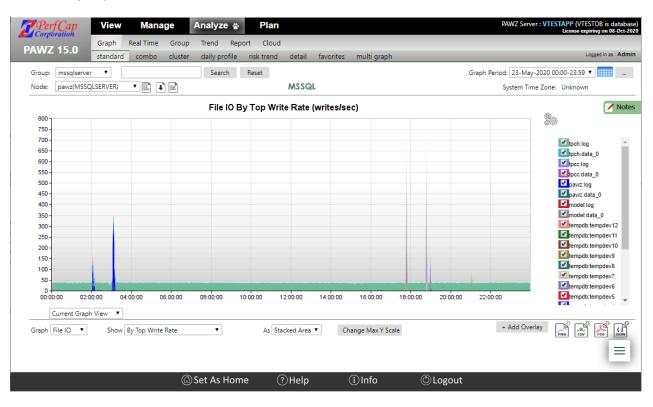
• File IO -> By Top Size



File IO -> By Top Write Data Rate



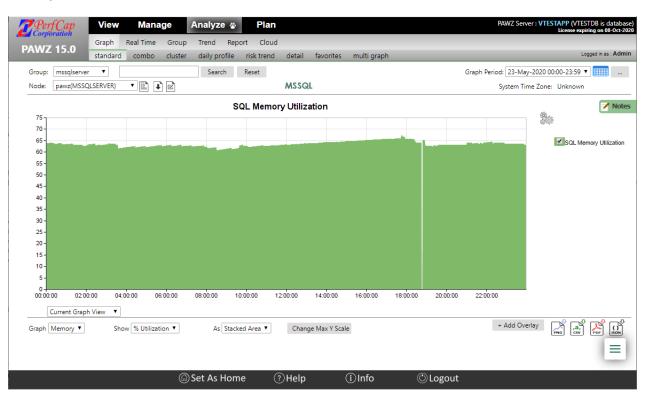
• File IO -> By Top Write Rate



• File IO -> By Top Write Response Time

PerfCap Corporation	View		_	Analyze 🍟						PA	WZ Server : VTI	ESTAPP (VTESTDB is database) License expiring on 08-Oct-2020
PAWZ 15.0	Graph standard	Real Time combo	Group cluster	Trend Rep daily profile	oort Cloud risk trend	detail	favorites	multi graph				Logged in as : Admin
Group: mssqlserve	er 🔻 [Search	Reset			mulu graph		1 C C C C C C C C C C C C C C C C C C C	23-May-2020	00:00-23:59 ▼
Node: pawz(MSS	pawz(MSSQLSERVER) 🔻 🗈 🖻 MSSQL System											
				File IO By	Top Write	Respor	nse Time (ms)				📝 Notes
150000 140000 130000 120000 110000 90000 80000 70000 60000 50000 40000 30000 20000												t tpch:log t tpch:data_0 t tpcc:data_0 t tpcc:data_0 t tpcc:data_0 t tpcc:data_0 t tpcc:data_0 t model:log t model:log t model:tempdev12 t empdb:tempdev11 t tempdb:tempdev10 t empdb:tempdev8 t
	02:00:00	04:00:00	06:00:00	08:00:00	10:00:00	12:00:00	14:00:00	16:00:00	18:00:00 20:	00:00 22:00:00		tempdb:tempdev6
Graph File IO 🔻		By Top Write	Response	Time 🔻	As Sta	icked Area	▼ Ch	ange Max Y Sca	le	+)	Add Overlay	a a a a a a a a a a a a a a a a a a a
			Ô	Set As Hon	ne (†	Help	(i)Info	() Log	out		

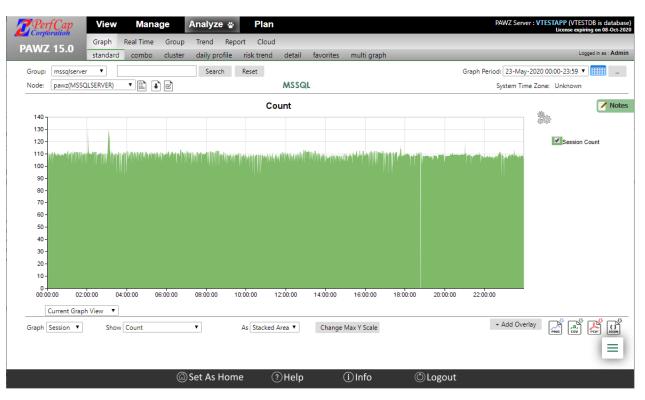
• Memory -> % Utilization



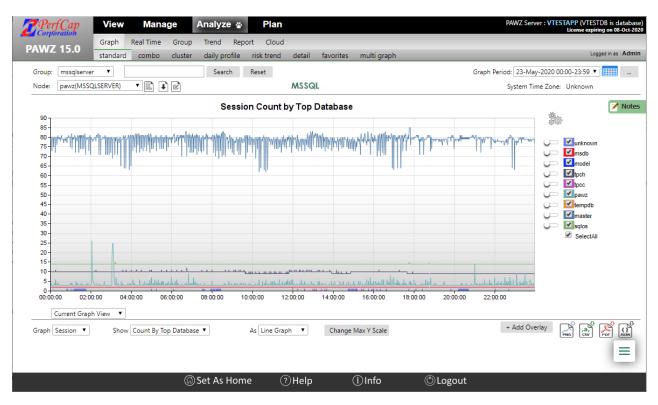
Memory -> Usage



Session -> Count



• Session -> Count by Top Databases



PAWZ Web site

- View -> Node
 - Added new "Node Status" page

Corpor	unon	Dashboard	Health	Node	Cluster	Workle	oad Mas	ter Except	ion Do	wnloads	s Log/Files N	1ap			nse expiring or	
PAWZ	15.0	information	status	config		config	version	data col		agent	daily exceptions	real time excep	tions risk exc	eptions	Logged in	n as : Admi
Status					Status											a,8
Group	ALL	•		-	Nodename		IP		OS	DC Sta	tus PA Status	RTA Status	Asset Status	Status Time	Last Data	
Node	Select No				iix64			.168.1.138		Up	Up	Up	Asset Status Asset agent not enabled		100356	
P DS	-Any-	* *		I	ouild		192	.168.1.205	Windows	Up	Up	Up	Asset agent not enabled	26-May-2020 15:00	100361	
OC Status	-Any-	*		1	ouild(mssql	server)	192	.168.1.205	MSSQL	Up	Unknown	Unknown	Asset agent not enabled	26-May-2020 15:15	100834	
PA Status	-Any-	Ŧ		2	opper		192	.168.1.101	Windows	Up	Up	Up	Asset agent not enabled	26-May-2020 15:00	100363	
RTA Status	-Any-	٣		9	opper(MS	<u>SQLSERVI</u>	<u>ER)</u> 192	.168.1.101	MSSQL	Up	Unknown	Unknown	Asset agent not enabled	26-May-2020 15:15	100292	
Asset Status	-Any-	▼		9	01esxx64		192	168.1.208	Windows	Up	Up	Up	Asset agent not enabled	26-May-2020 15:00	100379	
				9	01redhat6		192	.168.1.194	Linux	Up	Up	Up	Asset agent not enabled	26-May-2020 15:00	100348	
				9	01suse11		192	.168.1.195	Linux	Up	Up	Up	Asset agent not enabled	26-May-2020 15:00	100347	
				9	<u>:02 uk cli</u>		192	.168.1.166	Windows	Up	Up	Up	Asset agent not enabled	26-May-2020 15:00	100376	
				9	<u>ecapdev</u>		192	.168.1.167	Windows	Up	Up	Up	Asset agent not enabled	26-May-2020 15:00	100367	Ξ
				9	ecapdev(ms	sqlserve	<u>r)</u> 192	.168.1.167	MSSQL	Up	Unknown	Unknown	Asset agent not enabled	26-May-2020 15:15	100839	=

• Added new "Config" page

3 Config	uration										a, gy
Group	ALL	•	Configura	ation							
	godel ×		Nodename	IP	OS	OsVersion	Model	Cores	Processors	Memory	Disks
Node	linsrv_00001 ×		g <u>odel</u>	192.168.0.75	Linux	SUSE Linux Enterprise Server 11 (x86_64)	VMware Virtual Platform (2666.8 MHz)	2	2	1948	3
p	winsrv_00001 ×	•	<u>winsrv 00001</u>	192.168.54.1	Windows	Microsoft Windows Server 2012 R2 Standard	VMware Virtual Platform	4	2	12287	2
	-Any-		sunsrv 00001	192.168.51.1	Windows	5.11	Sun-Fire-T200	8	32	32640	11
DS DS Version	-Any-	* *	<u>linsrv 00001</u>	192.168.50.1	Windows	Red Hat Enterprise Linux Server release 6.4 (Santiago)	ProLiant DL360 G5 (2500.1 MHz)	4	8	32104	6
öystem Model	-Any-										
lores	-Any-	•									
rocessors	-Any-	*									
Memory	-Any-	•									
Disks	-Any-	*									

Added new "Version" page

2 Perf	Сар	View 🍲	Mana	age /	Analyze	Plan				PAWZ Server : VTE	STAPP (VTESTDB is database License expiring on 08-Oct-2020
PAWZ 1		Dashboard	Health	Node C	luster Workl	oad Maste	er Exception	Download	ds Log/Files	Мар	
PAWZ	15.0	information	status	config (clas	ssic) config	version	data collector	agent	daily exceptions	real time exception	s risk e xcept ions: Admin
🙁 Version	I										a, csv
Group	ALL	Ŧ		Ve	rsion						
Node	Colort N	ode Name		Nod	ename	IP	OS	D	C Version	PA Version	Asset Version
IP	-Any-	oue Name		0002	292601952	192.1	68.1.209 EM		15.0-001:May 9 020	V15.0-001:May 9 2020	
os	-Any-	Ţ		0010	<u>519403311</u>	192.1	68.1.209 EM		15.0-001:May 9 020	V15.0-001:May 9 2020	
DC Version	-Any-	Ŧ		4021	139532121	192.1	68.1.209 EM		15.0-001:May 9 020	V15.0-001:May 9 2020	
PA Version	-Any-	Ŧ	Ĵ	8821	180912002	192.1	68.1.209 EM		15.0-001:May 9 020	V15.0-001:May 9 2020	
Asset Version	-Any-	Ŧ		AIX	00000	192.1	68.211.1 IBN		14.1-006:Oct 11 018		T14.1-006:Oct 11 2018
				AIX	00001	192.1	68.211.10 IBN		14.1-006:Oct 11 018		T14.1-006:Oct 11 2018
				AIX	00002	192.1	68.211.2 IBN		14.1-006:Oct 11 018		T14.1-006:Oct 11 =
								т	14.1-006:Oct 11	T14.1-006:Oct 11	T14.1-006:Oct 11
			⑦Help		(i)Info		٥I	Logout		

• Added new "Data Collector" Page

2 Pe	rfCap	View 🍲	Mana	age	Analyze	e Plan					PA	WZ Server : VTES	TAPP (VTEST License expirir	DB is database 1g on 08-Oct-202
	Z 15.0	Dashboard	Health	Node	Cluster	Workload M	aster Exception	Dow	nloads	Log/Files	Мар			
PAW	2 15.0	information	status	config (cla	assic) co	nfig version	data collect	or age	ent dai	ily except	ions real	time exceptions	risk e kte	ptions: Admin
🕲 Data	Collecto	r settings												Se Se
Group	ALL	v		Da	ata Coll	ector setti	ngs							Â
Node	Select Nod	o Namo		No	dename	li)	DS	Dump	Peak	FileRetain	LogRetain	Suspend	Resume
Node	Select Nou	e Name		AD	<u>K 00000</u>	1	92.168.211.1	BM AIX	60	5	30	5	18.0	22.1
IP	-Any-	•		AD	<u>K 00001</u>	1	92.168.211.10	BM AIX	60	5	30	5	18.0	22.1
os				AD	<u>K 00002</u>	1	92.168.211.2	BM AIX	60	5	30	5	18.0	22.1
US	-Any-	*		AD	<u>K 00003</u>	1	92.168.211.3	BM AIX	60	5	30	5	18.0	22.1
Dump	-Any-			AD	K 00004	1	92.168.211.4	BM AIX	60	5	30	5	18.0	22.1
	_			AD	<u>K 00005</u>	1	92.168.211.5	BM AIX	60	5	30	5	18.0	22.1
Peak	-Any-	Ŧ		AD	<u>K 00006</u>	1	92.168.211.6	BM AIX	60	5	30	5	18.0	22.1
Retention	-Any-	v		AD	<u>K 00007</u>	1	92.168.211.7	BM AIX	60	5	30	5	18.0	22.1
				AD	<u>K 00008</u>	1	92.168.221.8	BM AIX	60	5	30	5	18.0	22.1
Verbose	-Any-	Ψ		AD	<u>K 00009</u>	1	92.168.221.9	BM AIX	60	5	30	5	18.0	22.1
				AD	<u>K 00019</u>	1	92.168.221.11	BM AIX	60	5	30	5	18.0	$\frac{22}{22} \equiv .$
				<u>aix</u> ∢ ∣	<u>64</u>	1	92.168.1.138	BM AIX	60	10	30	5	18.0	22
l			?Help			(i)Info			() Logo	out				j .

• Added new "PAWZ Agent Settings" Page

<i>PerfCap</i> Corporation		Man							APP (VTESTDB is datab- License expiring on 08-Oct-
PAWZ 15.	Dashboard	Health	Node Cluster	Workload Mas	ster Exception	Downloads	Log/Files N	ap	
	information	status	config (classic)	config version	data collector	agent	daily exceptions	real time exceptions	risk exceptions: Adn
Agents se	ttings								,a, SV
			PAWZA	gent settings					
Group	ALL	*							
Node	Select Node Name		Nodename		OS	Port	AppDataDr		
			AIX 00000	192	.168.211.1 IBM	AIX 1661	/usr/perfcap/da	ta	
IP	-Any-		AIX 00001	192	.168.211.10 IBM	AIX 1661	/usr/perfcap/da	ta	
OS	-Any-	*	AIX 00002	192	.168.211.2 IBM	AIX 1661	/usr/perfcap/da	ta	
03	-Any-	•	AIX 00003	192	.168.211.3 IBM	AIX 1661	/usr/perfcap/da	ta	
Port	-Any-	*	AIX 00004	192	.168.211.4 IBM	AIX 1661	/usr/perfcap/da	ta	
			AIX 00005	192	.168.211.5 IBM	AIX 1661	/usr/perfcap/da	ta	
AppDataDirectory	-Any-	w.	AIX 00006	192	.168.211.6 IBM	AIX 1661	/usr/perfcap/da	ta	
Log Retention	-Any-	*	AIX 00007	192	.168.211.7 IBM	AIX 1661	/usr/perfcap/da	ta	
			AIX 00008	192	.168.221.8 IBM	AIX 1661	/usr/perfcap/da	ta	
Verbose	-Any-	*	AIX 00009	192	.168.221.9 IBM	AIX 1661	/usr/perfcap/da	ta	
			AIX 00019	192	.168.221.11 IBM	AIX 1661	/usr/perfcap/da	ta	
			aix64	192	.168.1.138 IBM	AIX 1661	/usr/perfcap/da	ta	=
									•

• Added new "Node Exceptions" Page

7 Pe	rfCap	View 🐇	Manag	e Analyze	Plan					PAWZ Se		APP (VTESTDB License expiring	
		Dashboard	Health No	ode Cluster V	Vorkload Ma	ster Exception	Downlo	ads Log/	/Files N	lap			
PAW	Z 15.0	information	status co	onfig (classic) cor	nfig version	data collecto	r agent	daily ex	ceptions	real time e	xceptions	risk e xcept	ions: Admin
🛛 Exce	ptions												a's
													CSV
				Exception	e								-
Group	ALL			Exception	5								-
Node	Select Nod	la Namo		Nodename	IP	0	S E	xception	Metric	Instance	Value	Condition	Duratic
Node	Select Nod	le Name		AIX 00000	192	.168.211.1 IB	M AIX						
IP	-Any-	*		AIX 00001	192	.168.211.10 IB	M AIX						
os		*		AIX 00002	192	.168.211.2 IB	M AIX						
05	-Any-	*		AIX 00003	192	.168.211.3 IB	M AIX						
Exception	-Any-	•		AIX 00004	192	.168.211.4 IB	M AIX						
Metric	-Anv-			AIX 00005	192	.168.211.5 IB	M AIX						
weene	-Any-			AIX 00006			M AIX						
Instance	-Any-	•		AIX 00007			M AIX						
				AIX 00008			M AIX						
				<u>AIX 00009</u>			M AIX						_
				AIX 00019			M AIX						
				<u>aix64</u> ∢	192	.168.1.138 IB	M AIX					_	
			(?)Help		(i)Info		6	Logout					
			Help				0	Logout					

• Added new "Risk Exceptions" Page

2 Perf	Cap	View 🍲	Man	age Ar	nalyze	Plan				PAWZ	Server : VTES	TAPP (VTESTD License expiring	
PAWZ		Dashboard	Health	Node Clu	ter Worklo	ad Master Exception	n Dow	nloads Log/Files Map					
PAWZ	15.0	information	status	config (classi	:) config	version data colle	tor ag	ent daily exceptions rea	l time exceptio	ns risk excep	tions	Logge	ed in as : Adm
3 Risk E	xceptio	ns											વર
Broup	ALL	-		Risk	Exception	ıs							
1		·		Noden	ame	IP	OS	Risk Name	Metric	Sub-Metric	Counter	First Value	Second
lode	Select No	ode Name									Total		
р	-Any-	*		AIX 00	000	192.168.211.1	IBM AIX	Default CPU Utilization	CPU	Utilization	Processor Time	90	95
DS	-Any-	•		AIX 00	000	192.168.211.1	IBM AIX	Default Memory Utilization	Memory	Utilization	Memory Utilization	90	95
Risk name	-Any-	*		AIX 00	000	192.168.211.1	IBM AIX	Default Overall Disk IO (LOW)	Disk	Overall IO Rate	IO Rate	400	550
/letric	-Any-	*		AIX 00	001	192.168.211.10	IBM AIX	Default Overall Disk IO (LOW)	Disk	Overall IO Rate	IO Rate	400	550
ub-Metric	-Any-			AIX 00	001	192.168.211.10	IBM AIX	Default Memory Utilization	Memory	Utilization	Memory Utilization	90	95
Counter Date added	Select St	ate •		AIX 00	<u>001</u>	192.168.211.10	IBM AIX	Default CPU Utilization	CPU	Utilization	Total Processor Time	90	s 💻
				4									•
				?Help		(i)Info		() Logout					l

- Manage -> Admin -> Settings
 - Added Scheduler Queue Logging

7 15 0	Group Workload vz settings users	Exception Favorite Temp health agent update grap	late Rej ih preferen		oud Plan Dashboard Ma v import	ap Admin	Logged in
😵 Manage PAWZ					PAWZ Server Alias VTEST	DB is database	
Detailed Log Settings		Retention Periods			Company Logo 👔		
Alert Logging	OFF	Audit Logs	365	days	Choose File No file	chosen Upload	
Application Logging	OFF	Config Files	1	days		pes : png , jpg , jpeg , gif	
Audit Logging	ON	Graph Files	7	days	Purge Database Settings		
Cloud Logging	OFF	Log Files	2	days	Scheduled Purge	ON	
Cluster Logging	OFF	Perf Files	2	days	Scheduled Start Time	20 • : 00 • (HH:MM)	
Daily Report Logging	ON	Planner Base Files	1	days	Enable Purge End Time	OFF	
DC Status Queue Logging	OFF	Planner Merg Files	2	days	Purge Run Days	Daily Opecific Days	
Favorite Logging	OFF	Planner Proc Files	4	days	Advanced Purge Settings 👔		
Graph Export Logging	OFF	Planner Memory Files	-	<u> </u>	Max number of days to purge	500 days	
		Raw Data Files	1	days	Purge Weekends	OFF	
Heartbeat Logging	OFF		7	days	Purge Custom Period	OFF	
Perf File Logging	Off	Report Files	7	days	Purge Status	Finished	
Planner Detailed Logging	OFF	Use Risk Retention Period	ON		Last Purge Date	25-May-2020 20:16:00	
Purge Detailed	OFF	Risk Results	30	days		Start No	W
Risk Exception Logging	OFF	Scheduled Processing Results	30	days	EMAIL Settings		
Scheduler Queue Logging	OFF	Trend	Foreve	•	Sender	support@perfcap.com	
SMTP Mailer Logging	ON	Data Management			SMTP Server	smtp.office365.com	
Summary Logging	OFF	Check Local Directory			SMTP Port	25	

- Manage ->Node -> Policies
 - Added Custom Properties for PAWZ Nodes

Z 15.0 Node Cluster	Group Workload Exception and now daily exceptions read	on Favorite al time exceptions	Template Report	Cloud Plan Dashboard Map	Admin Logger
😵 Node Policies					
Group : ALL 🔻	Search Reset	t			-
Node				Data Collection	
Name	build	• 🕽 🖬 🗣	R.	Dump Interval	60 🔻 seconds
IP Address	192.168.1.205	A	gent Port 1661	Peak Interval	5 v seconds
DNS Suffix		RT A	Agent Port 2101	Retain data for	45 days on the node
OS	Windows	*		Restart Attempts	0
Cluster Member	cluster-	•		Data Collector Version	V15.0-002:May 11 2020
Summary Group Member	group_5			PAWZ Agent Version	V15.0-002:May 11 2020
Location	Unknown	•			Data
System Time Zone	Eastern Standard Time			Status	Collector Stop Data Collector Up
Description				Status Check Frequency	30 minutes
			Custom Propertie	5	Advanced
Templates		Pr	eserve	Real Time Data Collection	
Node	template_5	T	Display	Update frequency	2 seconds
Workload	workload_template	•	Display	Status	Real Time Up Stop Real Time
Plan	plan_template	•	Display	Collect All Process Data	Collect No Process Data
Risk	risk_template_pawz	•	Customize	Real Time Exceptions	
RTEvent	none	T			Advanced
Holiday	none	•		Advanced Data Management	
Favorite	favorite_template	T	Display		• To 17 ▼ : 00 ▼ (HH:MM).
Data Management				Top Process Count: 12	Top Disk Count: 10

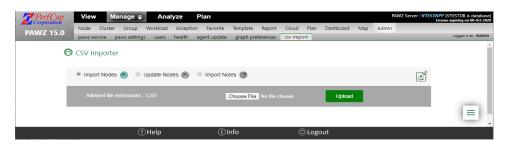
 Added Support for Microsoft SQL Server Nodes (Ability to add On Premise and Azure Cloud SQL nodes)

PAWZ 15.0	uster Group Workload Exception Favorite Te download now daily exceptions real time exceptions	🕙 PAWZ - Google Chrome		- 0
policies	download now daily exceptions leaf time exceptions	③ Not secure 192.168.0.	200/Managemssqlinfo.asp?Node=1041	
😵 Node Policies				
		🛛 MSSQL DC Ho	ost Info	
Group : ALL	Search Reset	MSSQL Host DC Info		
Name	build(mssqlserver)	Node Name	build(mssqlserver)	
IP Address	192.168.1.205 DC Host IP Address		build(mssqiserver)	
		DC Host IP (Windows)	192.168.0.203	l .
DNS Suffix		MSSQL DNS String/IP	build	(e.g. nodename.perfcap.com or 123.1.1.1)
OS	MSSQL • Host Info	MSSOL Host Name	build	(fully qualified or unqualified)
Cluster Member	-none-			
Summary Group Member	mssqlserver	MSSQL Port	1433	(SQL Server default 1433)
Location	Unknown	Authentication	SQL Server Authentication	
Dashboard Location Member			Azure Active Directory - Password	
Dashboard Service Member		User Name	PAWZDSN	
System Time Zone	Unknown	Password		1
Description				
		Confirm Password		
Templates	Preserve		Test Database Connection	
Node	generated_template Display	Verbose Collector Logging	OFF	
Data Management				
Enable auto download	🗹 Generate trend data 🛛 🗹 Download analysis data or		Back Save Delete DC Ho	ist Info
Standard Download time	04 🔻 : 00 🔻 (HH:MM) Every Day 🔻			
Retain data in PAWZ database for	120 days Recover missing data for 1 d			

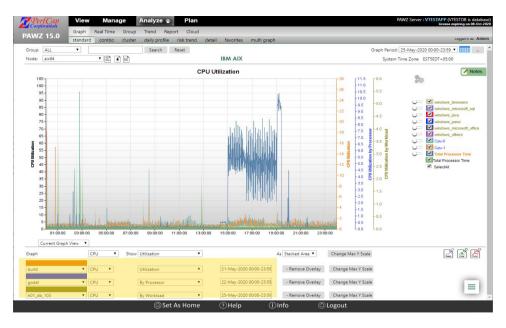
• Added Download Now / View Node Download Status buttons for quick access

1		View	Manag	e 🍘 🗛	nalyze	Plan							PAWZ	Server : VTE	STAPP (VTESTDB License expiring o		
	PAWZ 15.0	Node	Cluster Gro	up Worklo	ad Exce	eption Favor	ite Templ	late Repor	t Cloud	Plan	Dashboard	Мар	Admin				
	PAWZ 15.0	policie	download no	ow daily ex	ceptions	real time exc	eptions								Logged i	n as : Adm	nin
	🙁 Node Polici	ies															^
	Group : ALL	•		Search	Reset											Notes	, II
	Node						_			Dat	a Collection				· · · · · · · · · · · · · · · · · · ·	TRUTES	۰.
	Name		build(r	nssqlserver)	•		1			Dun	np Interval			60 v s	econds		
	IP Address		192.168	3.1.205		DC Host IP	Address 192	2.168.0.203		Peal	c Interval			5 🔻	seconds		
							,	Agent Port	1661	Reta	in data for			30 da	ays on the node	-	
	DNS Suffix							RT Agent Port	2101	Rest	art Attempts			1		≡ II	
	OS		MSSQ		•	Host Info				Data	a Collector Versio	on		V15.0-002		-	-
				\oplus New	🗐 Sav	ve 💿 De	ete ⊘	Cancel	?Help	() Ir	nfo 🖒 Lo	gout					

- Manage -> Admin CSV Importer
 - Added support for importing Microsoft SQL Server Nodes



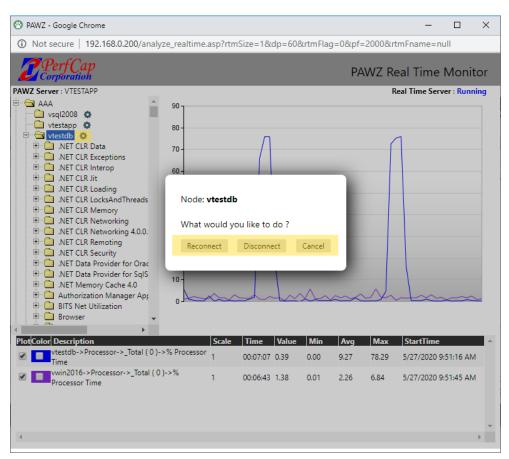
- Analyze -> Graph -> Standard
 - o Added support to overlay graphs with different nodes and dates



• Added support for selective JSON Export (Ability to export JSON report with select graph items)

PerfCap	View M	Manage A	Analyze 🍲 🛛 Plan					PAWZ Server : VTESTAP	P (VTEST	DB is dat	(abase) (ct-2020
PAWZ 15.0	Graph Real	and a second	Trend Report Cloud								
and the second se		mbo cluster	daily profile risk trend	detail favorites	multi graph					ed in as A	Admin
Group: ALL	•		Search Reset						- 1111		
Node: build	•	1		Windows			System Time Zone	Eastern Standard Time		_	
			CPU Utili	zation by Top Im	ages			12		M 1	Votes
65								and the second			
55 - 50 -								svchost	^		
45 - 40 -								System			
35-								devenv	- 1		
30 - 25 -	A A ALLAL MAN	ANGLE IN						ecap_monitor	- 1		
20 -	1. Martin Martin I.	A Marthan		and the state of the				sadmin	- 1		
10-5-									- 1		
0							1 halls	■ DfrgNtfs	- 1		
01:00:00	03:00:00	05:00:00 07	00:00 09:00:00 1	1:00:00 13:00:00	15:00:00 17:00:00	19:00:00 21:0	0.00 23:00:00	E SelectAll	~		
Current Grap	oh View 🔻						-		0	- =	
Graph CPU	▼ Show	By Top Image	•	As Stacked Area 🔻	Change Max Y Scale		+ Add	Overlay	2 13		-
			Set As Hor	ne ⑦Heli) (i) Info	() Logout					
3 192.168.0.200/rest	ful/getStandarc 🗙	+							-		×
→ C ①	Not secure 19	2.168.0.200/rest	ful/getStandardGraph_V	120/admin/pawz1/b	uild/CPU/By%20Top%20I	mage/MsMpEng/5-26	-2020/pawz		☆	Θ	:
										-	
					pEng","Graph Title": "C ": [{"Time":"26-May-20				o-May-		
					-2020 00:04:00","Value						
					e":"26-May-2020 00:08: 23.06}, {"Time":"26-May				:":23.70	}.	
):13:00","Value":22	2.67},{"Time":".	26-May-2020 0	0:14:00","Value":22.73	}.{"Time":"26-May	-2020 00:15:00","Value	":22.39},{"Time":"2	5-May-2020 00:10	5:00","Value":21.89},{'			
					e":"26-May-2020 00:19: 25.32},{"Time":"26-May				:":24.69	}.	
					-2020 00:26:00","Value				"Time":	"26-	

- Analyze -> Real Time Server
 - o Added Re-Connect node feature



Thank You

If you have any questions please contact us

E-Mail: Support@perfcap.com

Phone: +1 603-594-0222