# 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<br>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<br>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<br>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<br>Select the features setup will install.   | PAWZ Performance Analysis Web Zone   |
| Select the features you want to install, and deselve<br>PAWZ Server<br>PAWZ Planner<br>Dashboard<br>FindIT Server<br>OpenJDK<br>445.59 MB of space required on the C drive<br>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 <b>pawz</b> ( |   |
|-------------------------------------|---|
| System<br>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   |

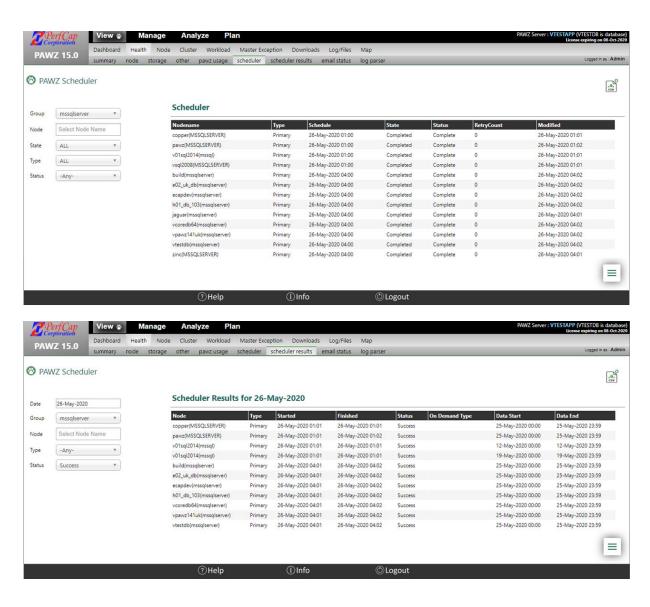
- MSSQL configuration information
  - SQL software edition and version

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 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

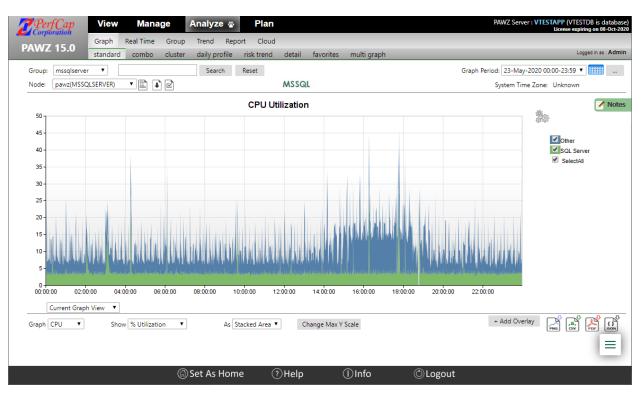
#### • Support for Virtual OS

| PerfCap   | View         | Manage Ar            | alyze Plan »  | PAWZ Server : VTESTAPP (VTESTDB is database)<br>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  |   |
|           |              |                      |   |   |

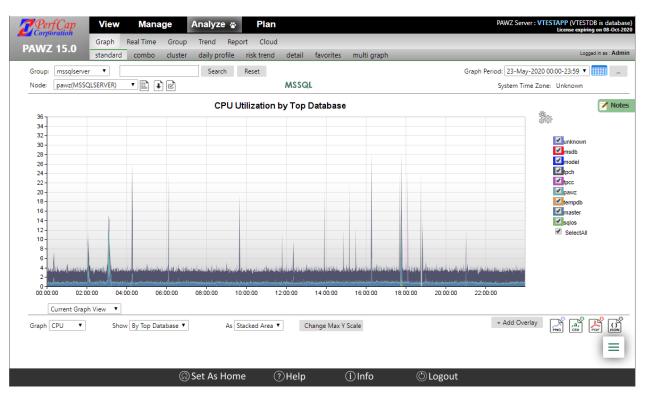
## PAWZ Server new Data Items

Microsoft SQL

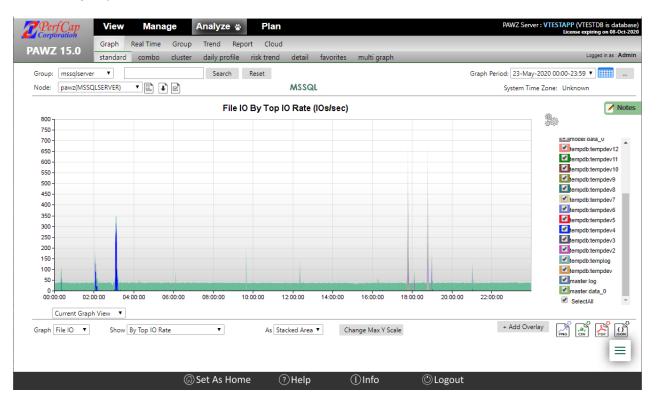
CPU -> %Utilization



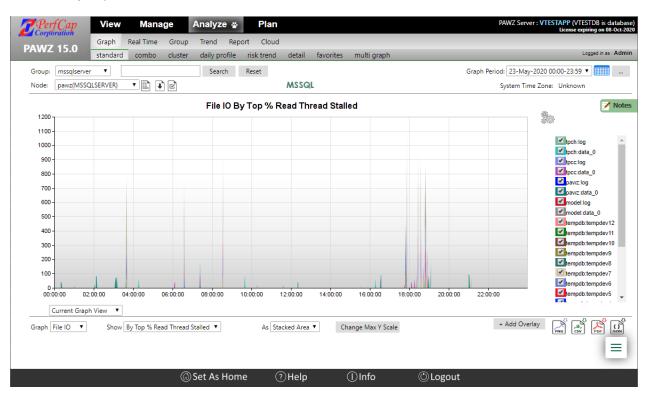
• CPU -> Utilization by Top Databases



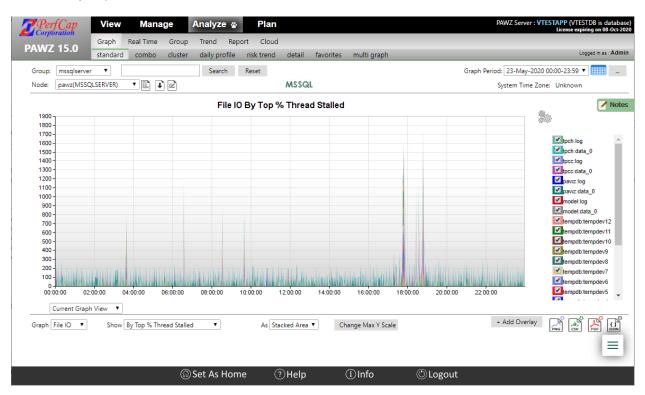
#### File IO -> By Top IO Rate



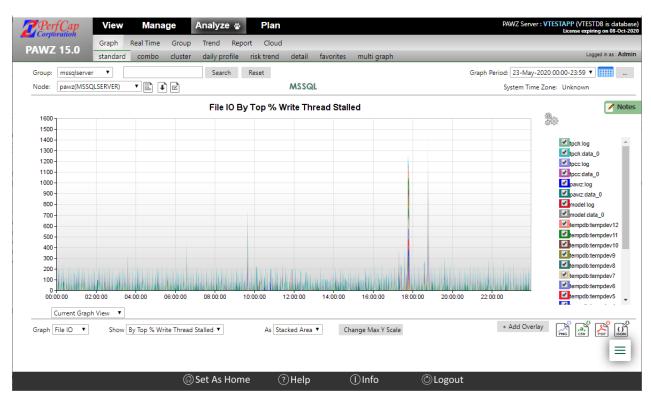
• File IO -> By Top % Read Thread Stalled



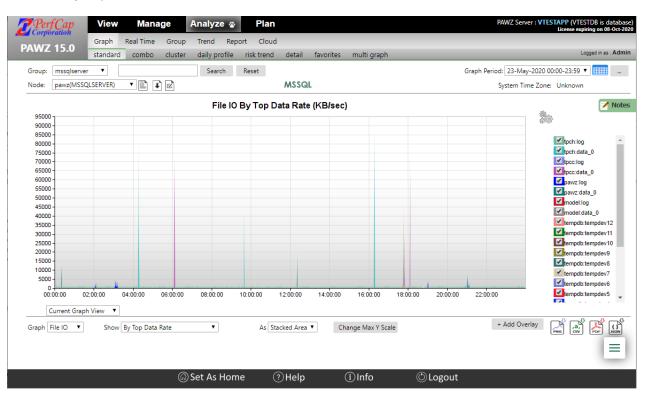
• File IO -> By Top % Thread Stalled



File IO -> By Top % Write Thread Stalled



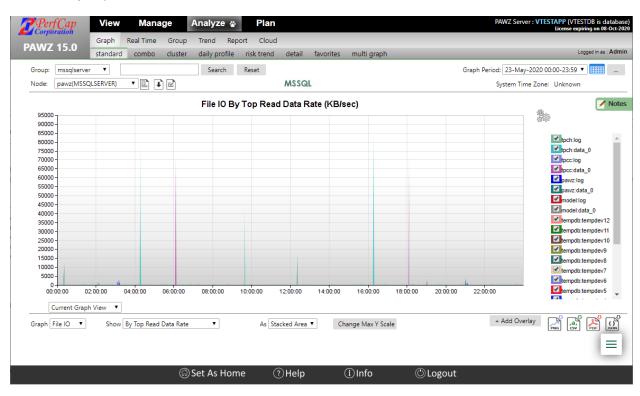
#### • File IO -> By Top Data Rate



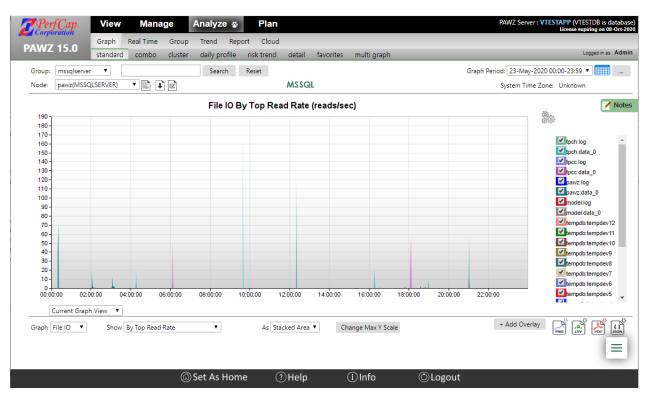
• File IO -> By Top Queue Length



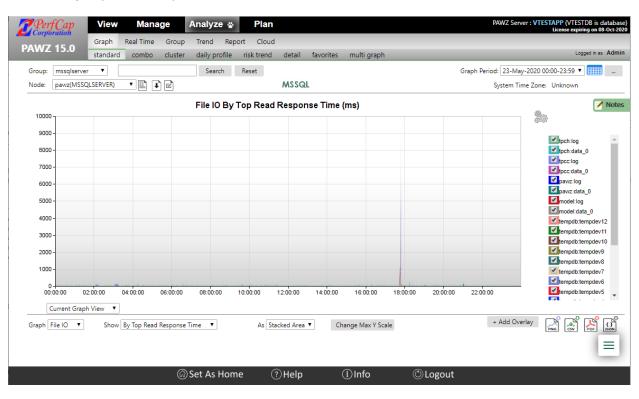
• File IO -> By Top Read Data Rate



• File IO -> By Top Read Rate



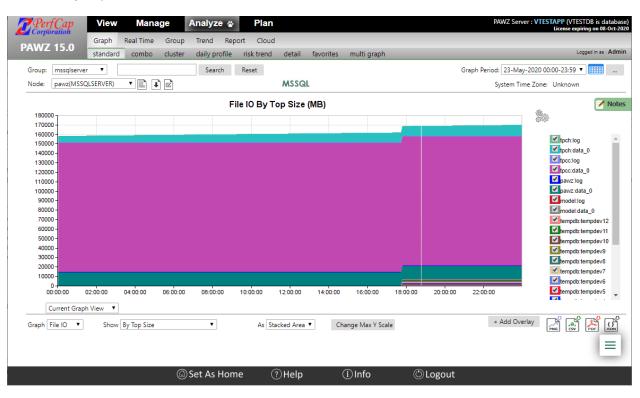
• File IO -> By Top Read Response Time



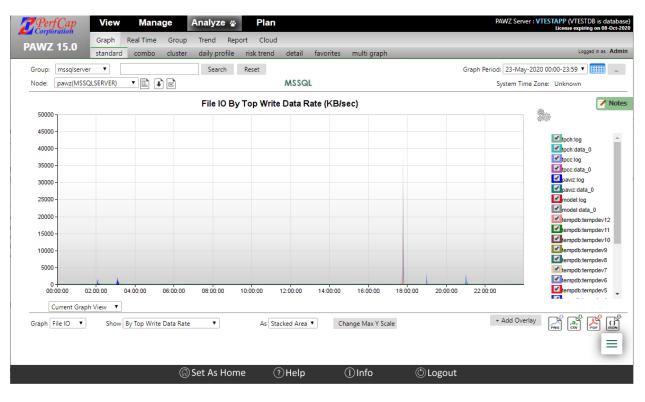
• File IO -> By Top Response Time

| AWZ   | 15.0   | Graph<br>standar     | Real Time<br>d combo |            |            | oort Cloud<br>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<br>140000<br>130000<br>120000<br>100000<br>90000<br>80000<br>70000<br>60000<br>50000<br>40000<br>30000 | ) -<br>) -<br>) -<br>) -<br>) -<br>) -<br>) -<br>) - |                      |                      |            |            |                          |            |           |                  |          |          |                   | <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  | )-<br>   | 02:00:00<br>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  |

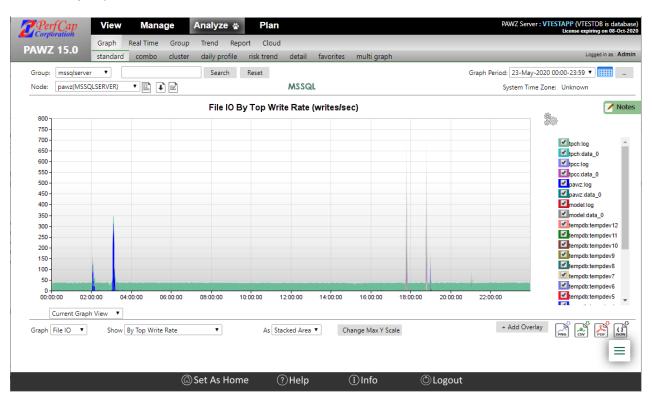
#### • File IO -> By Top Size



File IO -> By Top Write Data Rate



• File IO -> By Top Write Rate



• File IO -> By Top Write Response Time

| <b>PerfCap</b><br>Corporation  | View                                 |                    | _                | Analyze 🍟                  |                          |            |            |                |              | PA                                      | WZ Server : VTI | ESTAPP (VTESTDB is database)<br>License expiring on 08-Oct-2020   |
|--|--------------------------------------|--------------------|------------------|----------------------------|--------------------------|------------|------------|----------------|--------------|---|-----------------|---|
| PAWZ 15.0  | Graph<br>standard                    | Real Time<br>combo | Group<br>cluster | Trend Rep<br>daily profile | oort Cloud<br>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<br>140000<br>130000<br>120000<br>110000<br>90000<br>80000<br>70000<br>60000<br>50000<br>40000<br>30000<br>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                                     |                 |   |

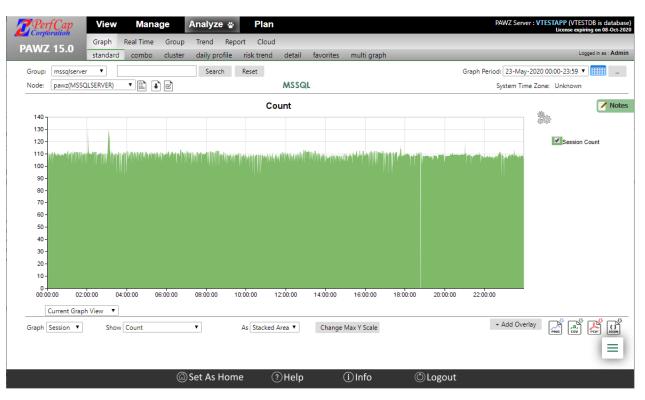
#### • Memory -> % Utilization



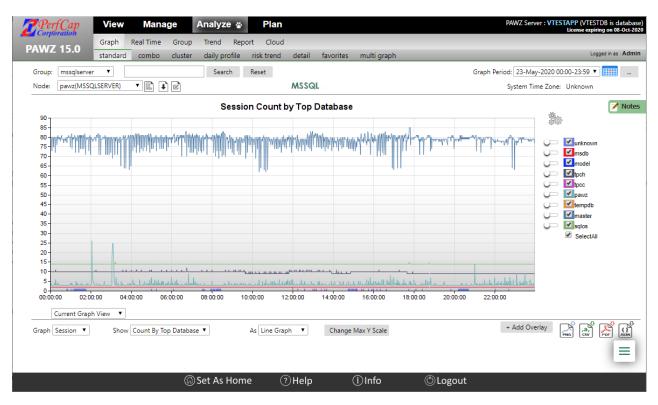
Memory -> Usage



#### 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<br>Asset agent not<br>enabled |                      | 100356          |             |
| P<br>DS      | -Any-     | *<br>*      |        | I      | ouild             |                 | 192            | .168.1.205 | Windows | Up      | Up               | Up              | Asset agent not<br>enabled                 | 26-May-2020<br>15:00 | 100361          |             |
| OC Status    | -Any-     | *           |        | 1      | ouild(mssql       | server)         | 192            | .168.1.205 | MSSQL   | Up      | Unknown          | Unknown         | Asset agent not<br>enabled                 | 26-May-2020<br>15:15 | 100834          |             |
| PA Status    | -Any-     | Ŧ           |        | 2      | opper             |                 | 192            | .168.1.101 | Windows | Up      | Up               | Up              | Asset agent not<br>enabled                 | 26-May-2020<br>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<br>enabled                 | 26-May-2020<br>15:15 | 100292          |             |
| Asset Status | -Any-     | ▼           |        | 9      | 01esxx64          |                 | 192            | 168.1.208  | Windows | Up      | Up               | Up              | Asset agent not<br>enabled                 | 26-May-2020<br>15:00 | 100379          |             |
|              |           |             |        | 9      | 01redhat6         |                 | 192            | .168.1.194 | Linux   | Up      | Up               | Up              | Asset agent not<br>enabled                 | 26-May-2020<br>15:00 | 100348          |             |
|              |           |             |        | 9      | 01suse11          |                 | 192            | .168.1.195 | Linux   | Up      | Up               | Up              | Asset agent not<br>enabled                 | 26-May-2020<br>15:00 | 100347          |             |
|              |           |             |        | 9      | <u>:02 uk cli</u> |                 | 192            | .168.1.166 | Windows | Up      | Up               | Up              | Asset agent not<br>enabled                 | 26-May-2020<br>15:00 | 100376          |             |
|              |           |             |        | 9      | <u>ecapdev</u>    |                 | 192            | .168.1.167 | Windows | Up      | Up               | Up              | Asset agent not<br>enabled                 | 26-May-2020<br>15:00 | 100367          | Ξ           |
|              |           |             |        | 9      | ecapdev(ms        | sqlserve        | <u>r)</u> 192  | .168.1.167 | MSSQL   | Up      | Unknown          | Unknown         | Asset agent not<br>enabled                 | 26-May-2020<br>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<br>Server 11 (x86_64)                  | VMware Virtual<br>Platform<br>(2666.8 MHz) | 2     | 2          | 1948   | 3     |
| p                | winsrv_00001 × | •      | <u>winsrv 00001</u> | 192.168.54.1 | Windows | Microsoft Windows<br>Server 2012 R2<br>Standard              | VMware Virtual<br>Platform                 | 4     | 2          | 12287  | 2     |
|                  | -Any-          |        | sunsrv 00001        | 192.168.51.1 | Windows | 5.11   | Sun-Fire-T200                              | 8     | 32         | 32640  | 11    |
| DS<br>DS Version | -Any-          | *<br>* | <u>linsrv 00001</u> | 192.168.50.1 | Windows | Red Hat Enterprise<br>Linux Server release<br>6.4 (Santiago) | ProLiant DL360<br>G5 (2500.1<br>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<br>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 <del>xcept</del> ions: Admin                         |
| 🙁 Version     | I        |             |        |              |                  |           |                |          |                        |                         | a,<br>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<br>020  | V15.0-001:May 9<br>2020 |   |
| os            | -Any-    | Ţ           |        | 0010         | <u>519403311</u> | 192.1     | 68.1.209 EM    |          | 15.0-001:May 9<br>020  | V15.0-001:May 9<br>2020 |   |
| DC Version    | -Any-    | Ŧ           |        | 4021         | 139532121        | 192.1     | 68.1.209 EM    |          | 15.0-001:May 9<br>020  | V15.0-001:May 9<br>2020 |   |
| PA Version    | -Any-    | Ŧ           | Ĵ      | 8821         | 180912002        | 192.1     | 68.1.209 EM    |          | 15.0-001:May 9<br>020  | V15.0-001:May 9<br>2020 |   |
| Asset Version | -Any-    | Ŧ           |        | AIX          | 00000            | 192.1     | 68.211.1 IBN   |          | 14.1-006:Oct 11<br>018 |                         | T14.1-006:Oct 11<br>2018                                      |
|               |          |             |        | AIX          | 00001            | 192.1     | 68.211.10 IBN  |          | 14.1-006:Oct 11<br>018 |                         | T14.1-006:Oct 11<br>2018                                      |
|               |          |             |        | AIX          | 00002            | 192.1     | 68.211.2 IBN   |          | 14.1-006:Oct 11<br>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<br>License expirir | DB is database<br>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 <del>kte</del>          | ptions: Admin                      |
| 🕲 Data    | Collecto   | r settings  |        |                   |                |              |                 |        |            |            |            |                  |                                | Se<br>Se                           |
| Group     | ALL        | <b>v</b>    |        | Da                | ata Coll       | ector setti  | ngs             |        |            |            |            |                  |                                | Â                                  |
| Node      | Select Nod | o Namo      |        | No                | dename         | li           | <b>)</b>        | 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><br>∢ ∣ | <u>64</u>      | 1            | 92.168.1.138    | BM AIX | 60         | 10         | 30         | 5                | 18.0                           | 22                                 |
| l         |            |             | ?Help  |                   |                | (i)Info      |                 |        | ()<br>Logo | out        |            |                  |                                | j .                                |

• Added new "PAWZ Agent Settings" Page

| <b><i>PerfCap</i></b><br>Corporation |                  | Man    |                  |                |                 |           |                  |                      | APP (VTESTDB is datab-<br>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,<br>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<br>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 <del>xcept</del>          | 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><br>∢   | 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<br>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<br>Time          | 90                               | 95             |
| DS                    | -Any-     | •           |        | AIX 00         | 000        | 192.168.211.1       | IBM AIX | Default Memory Utilization    | Memory          | Utilization     | Memory<br>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-     | <b></b>     |        | AIX 00         | 001        | 192.168.211.10      | IBM AIX | Default Memory Utilization    | Memory          | Utilization     | Memory<br>Utilization      | 90                               | 95             |
| Counter<br>Date added | Select St | ate •       |        | AIX 00         | <u>001</u> | 192.168.211.10      | IBM AIX | Default CPU Utilization       | CPU             | Utilization     | Total<br>Processor<br>Time | 90                               | s 💻            |
|                       |           |             |        | 4              |            |                     |         |                               |                 |                 |                            |                                  | •              |
|                       |           |             |        | ?Help          |            | (i)Info             |         | () Logout                     |                 |                 |                            |                                  | l              |

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

| 7 15 0                   | Group Workload<br>vz settings users | Exception Favorite Temp<br>health agent update grap | late Rej<br>ih preferen |          | oud Plan Dashboard Ma<br>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                     | <b>W</b>  |
| 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<br>and now daily exceptions read | on Favorite<br>al time exceptions | Template Report  | Cloud Plan Dashboard Map  | Admin<br>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<br>Up |
| Description          |   |                                   |                  | Status Check Frequency    | 30 minutes                          |
|                      |   |                                   | Custom Propertie | 5                         | Advanced                            |
| Templates            |   | Pr                                | eserve           | Real Time Data Collection |                                     |
| Node                 | template_5  | <b>T</b>                          | 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  | <b>T</b>                          |                  |                           | Advanced                            |
| Holiday              | none  | •                                 |                  | Advanced Data Management  |                                     |
| Favorite             | favorite_template   | <b>T</b>                          | Display          |                           | • To 17 ▼ : 00 ▼ (HH:MM).           |
| Data Management      |   |                                   |                  | Top Process Count: 12     | Top Disk Count: 10                  |

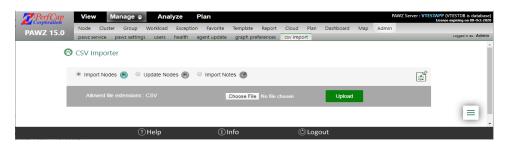
 Added Support for Microsoft SQL Server Nodes (Ability to add On Premise and Azure Cloud SQL nodes)

| PAWZ 15.0                        | uster Group Workload Exception Favorite Te<br>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  |                           |                                   |  |

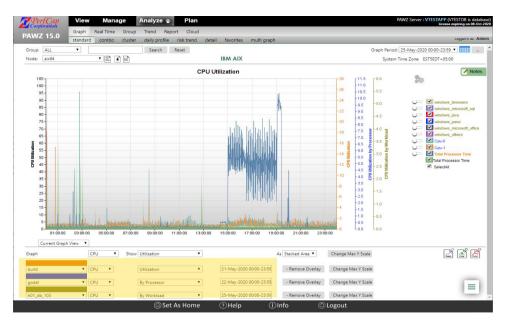
• Added Download Now / View Node Download Status buttons for quick access

| 1 |               | View    | Manag       | e 🍘 🗛        | nalyze   | Plan          |             |               |         |       |                    |      | PAWZ  | Server : VTE  | STAPP (VTESTDB<br>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 <b>v</b> 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



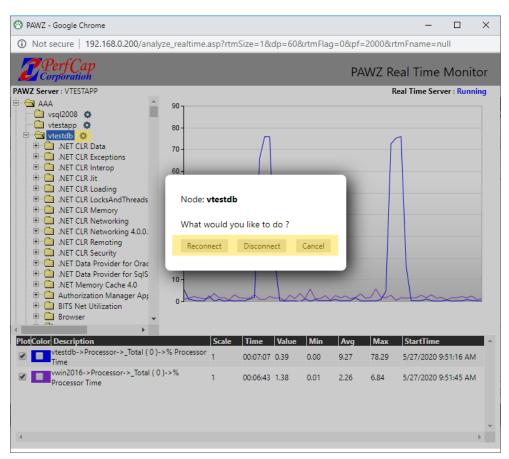
- Analyze -> Graph -> Standard
  - o Added support to overlay graphs with different nodes and dates



• 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)<br>(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 -<br>50 -  |                     |                  |                          |   |   |                     |                  | svchost                 | ^        |            |                     |
| 45 - 40 -   |                     |                  |                          |   |   |                     |                  | System                  |          |            |                     |
| 35-   |                     |                  |                          |   |   |                     |                  | devenv                  | - 1      |            |                     |
| 30 -<br>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      |            |                     |
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| Current Grap  | oh View 🔻           |                  |                          |   |   |                     | -                |                         | 0        | - =        |                     |
| Graph CPU   | ▼ Show              | By Top Image     | •                        | As Stacked Area 🔻   | Change Max Y Scale                                |                     | + Add            | Overlay                 | 2 13     |            | -                   |
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| 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          | :                   |
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|   |                     |                  |                          |   | pEng","Graph Title": "C<br>": [{"Time":"26-May-20 |                     |                  |                         | o-May-   |            |                     |
|   |                     |                  |                          |   | -2020 00:04:00","Value                            |                     |                  |                         |          |            |                     |
|   |                     |                  |                          |   | e":"26-May-2020 00:08:<br>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:<br>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

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