

# PAWZ Server V12.0

## New Features

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**Revision/Update:**  
Release Document.

23 September 2016

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# Release Overview

This document describes new features in version V12.0 of the PAWZServer.

PAWZ Server V12.0 has been given a new modern website interface. We have made it more customizable allowing each user to customize for their preferences. We have retained the menu-bar structure to provide some continuity with earlier versions.

## New features

### Appearance

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## RESTful Interface

- Version based API added functions
  - `getNodesByGroup_V120`: get list of nodes for a group
  - `getNodeConfig_V120`: get node configuration data for a node
  - `getStandardMetrics_V120`: get list of available standard metrics for a node
  - `getStandardGraph_V120`: get standard graphs data for a node
  - `getTrendMetrics_V120`: get list of available trend metrics for a node
  - `getTrendGraph_V120`: get standard trend graph data for a node
  - `getRiskExceptions_V120`: get list of available risk exceptions for a node
  - `getDailyProfile_V120`: get Daily Profile data for a node

See the **RESTful API Guide, PAWZ Server V12.0** for detailed information.

## PAWZ Server Appearance

### New Login Screen

PAWZ Server 12.0 has new color scheme for both PAWZ website login page and entire website after login. Most Website appearance settings are now saved by user, allowing each user to customize.

PAWZ

localhost



**PAWZ v12.0**  
Performance Analysis Web Zone

**Welcome to PAWZ...**  
*You are about to enter the  
Performance Analysis Web Zone  
Where you will be able to  
View, Manage and Analyze performance data  
on your entire enterprise from a single workstation*

Please enter your credentials to login into PAWZ Server

USER NAME  
admin

PASSWORD  
.....

Login



The screenshot displays the PAWZ 12.0 web interface. The browser address bar shows 'localhost/home.asp?Page=204'. The interface includes a navigation menu with 'View', 'Manage', 'Analyze', and 'Plan'. The 'View' menu is expanded, showing 'Dashboard' and 'summary'. The 'summary' page shows the following status: PAWZServer: Running, Real Time: Running, Detail Graph: Running, PAWZ Purge: Running, PAWZ Dashboard: Running, Total Agents: 42, Licensed Agents: 3000. The page is logged in as 'Admin' and last updated on '19-Sep-2016 14:11:49'. The 'Summary View' section contains four pie charts: CPU Summary, IO Summary, MEM Summary, and NET Summary. Each chart shows the distribution of health status for 16 nodes. The legend indicates: Healthy (Green), Warning (Yellow), Critical (Red), Missing (Purple), and No Reply (Gray).

Metric	Healthy	Warning	Critical	Missing	No Reply
CPU Summary	24	0	0	1	16
IO Summary	24	0	0	1	16
MEM Summary	15	8	1	1	16
NET Summary	24	0	0	1	16

The 'CPU' section below shows three pie charts for individual nodes, each with 16 nodes total. The first chart shows 16 No Reply and 0 Healthy. The second chart shows 1 Missing and 15 Healthy. The third chart shows 1 Missing and 15 Healthy.

## Themes

Themes are groups of settings that define the PAWZ web site's appearance. There are 2 Themes; Modern (Black/Gray) and Classic (Dark Green/Light Green). They are settable from Manage→Admin→Graph Preferences page.

PAWZ Server: SILVER (PerfCap PAWZ Server)  
License expiring on 31-Dec-2016

PAWZ 12.0

View Manage Analyze Plan

Node Cluster Group Workload Exception Favorite Template Report Cloud Plan Dashboard Admin

graph preferences

Logged in as: Admin

### PAWZ Graph Colors

#### Base Colors

Color	R	G	B
#C048C0	192	72	192
#0000FF	0	0	255
#008080	0	128	128
#C0B180	192	177	128
#8C8C8C	140	140	140
#FF8080	255	128	128
#09860D	9	134	13
#804040	128	64	64
#8A8A2A	138	138	42
#A8A8A8	168	168	168
#E3CEA6	227	206	166
#6F7BE3	111	123	227
#ABA826	171	171	38
#BC6364	188	99	100
#504F6D	80	79	109
#A2684B	162	104	75
#68B3B3	107	179	179
#DE964E	222	150	78
#547FA9	84	127	169
#7EBA68	126	186	104

#### Regular Overlay

Color	R	G	B
#9932CC	153	50	204
#8B4513	139	69	19
#0000FF	0	0	255
#696969	105	105	105
#000000	0	0	0
#FF0000	255	0	0

#### Trend Overlay

Color	R	G	B
#696969	105	105	105
#000000	0	0	0
#FF0000	255	0	0
#0000FF	0	0	255

#### Graph Background

Color	R	G	B
#A6A6A6	166	166	166

- Light Color Background
- Gradient Background
- Vertical Grid Lines
- Horizontal Grid Lines

#### Graph Series

- Border
- Light colors

#### Theme

Modern
  Classic

Save Cancel Help Info Logout

PAWZ 12.0

View Manage Analyze Plan

PAWZ Server: SILVER (PerfCap PAWZ Server) License expiring on 31-Dec-2016

Node Cluster Group Workload Exception Favorite Template Report Cloud Plan Dashboard Admin

graph preferences

PAWZ Graph Colors

Base Colors			
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#09860D	9	134	13
#804040	128	64	64
#8A8A2A	138	138	42
#A8A8A8	168	168	168
#E3CEA6	227	206	166
#6F7BE3	111	123	227
#ABAB26	171	171	38
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Regular Overlay			
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#8B4513	139	69	19
#0000FF	0	0	255
#696969	105	105	105
#000000	0	0	0
#FF0000	255	0	0

Trend Overlay			
Color	R	G	B
#696969	105	105	105
#000000	0	0	0
#FF0000	255	0	0
#0000FF	0	0	255

Graph Background			
Color	R	G	B
#A6A6A6	166	166	166

Light Color Background  
 Gradient Background  
 Vertical Grid Lines  
 Horizontal Grid Lines

Graph Series

Border  
 Light colors

Theme

Modern  Classic

Save Cancel Help Info Logout

## Graph Customization

For customizing graph settings, more graph settings are added.

- Light Color Background
- Gradient Background
- Vertical Grid Lines
- Horizontal Grid Lines

PAWZ 12.0

PAWZ Server : SILVER (PerfCap PAWZ Server)  
License expiring on 31-Dec-2016

View Manage Analyze Plan

Node Cluster Group Workload Exception Favorite Template Report Cloud Plan Dashboard Admin

pa wz service pa wz settings users health agent update graph preferences csv import

Logged in as : Admin

### PAWZ Graph Colors

#### Base Colors

Color	R	G	B
#C048C0	192	72	192
#0000FF	0	0	255
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#8C8C8C	140	140	140
#FF8080	255	128	128
#09860D	9	134	13
#804040	128	64	64
#8A8A2A	138	138	42
#A8A8A8	168	168	168
#E3CEA6	227	206	166
#6F7BE3	111	123	227
#A8A826	171	171	38
#BC6364	188	99	100
#504F6D	80	79	109
#A2684B	162	104	75
#6883B3	107	179	179
#DE964E	222	150	78
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Color	R	G	B
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#8B4513	139	69	19
#0000FF	0	0	255
#696969	105	105	105
#000000	0	0	0
#FF0000	255	0	0

#### Graph Background

Color	R	G	B
#A6A6A6	166	166	166

- Light Color Background
- Gradient Background
- Vertical Grid Lines
- Horizontal Grid Lines

#### Trend Overlay

Color	R	G	B
#696969	105	105	105
#000000	0	0	0
#FF0000	255	0	0
#0000FF	0	0	255

#### Graph Series

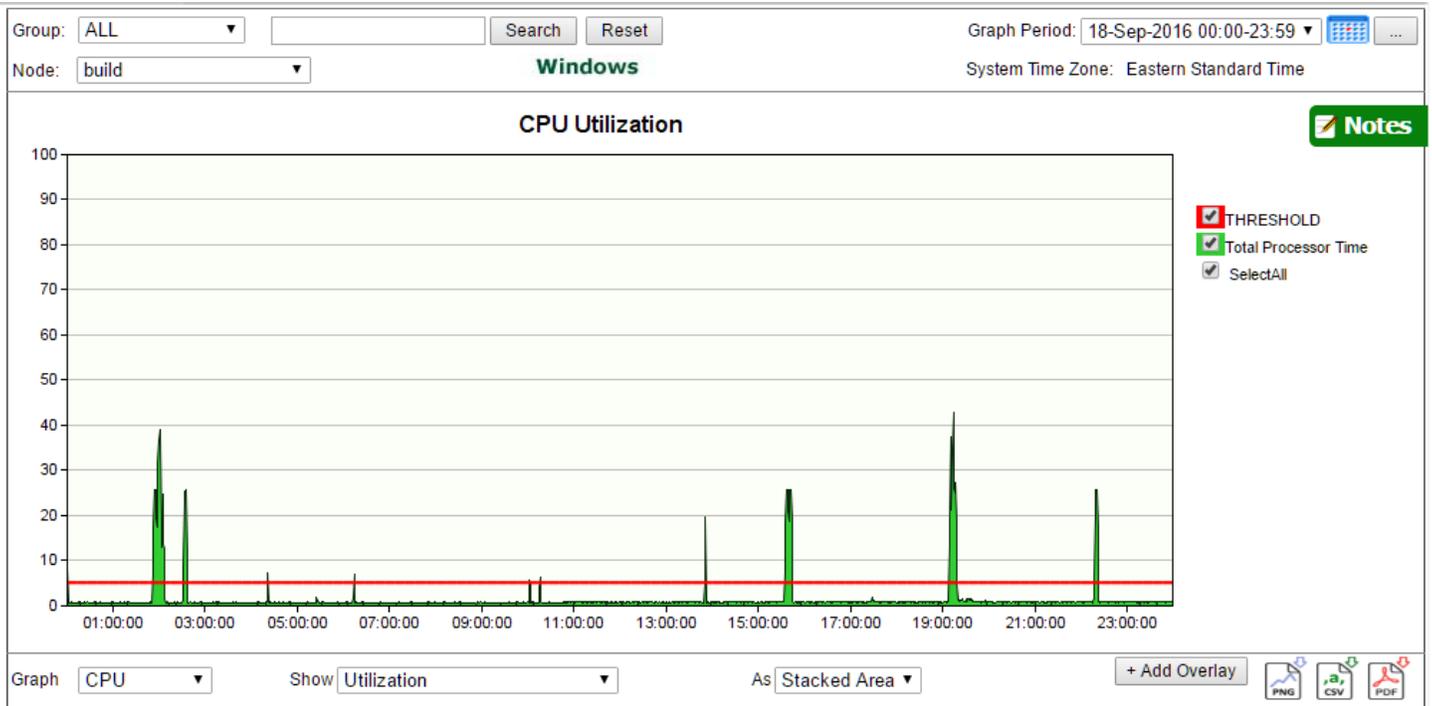
- Border
- Light colors

#### Theme

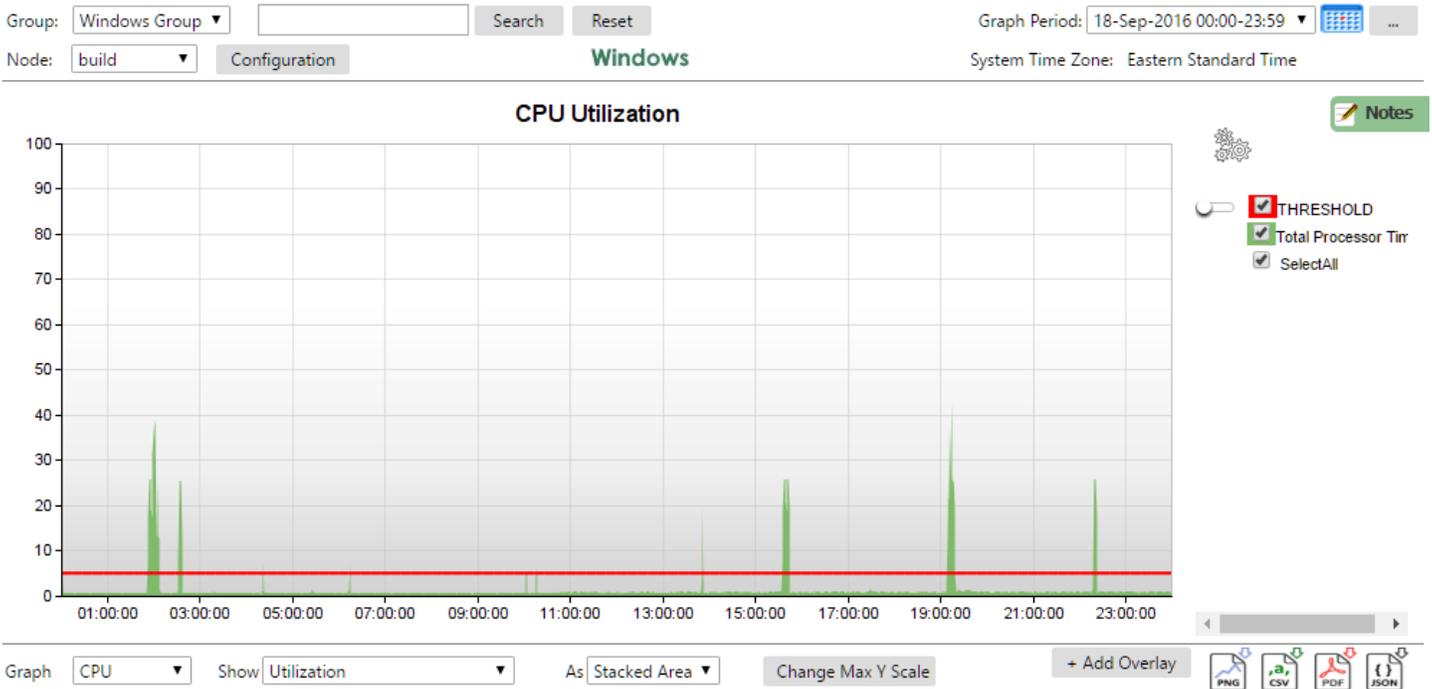
Modern
  Classic

☰

With these settings graphs appearances changed from



To



## Quick Graph Customize

All graphs in PAWZ Server contain a customize icon (gears) on the upper right side. Clicking this icon allows graph customization through quick style Graph Preferences Page.

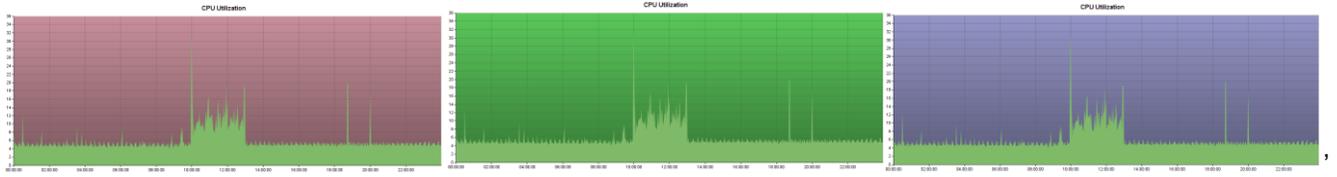
The screenshot displays the PAWZ 12.0 web interface. At the top, there is a navigation bar with tabs for 'View', 'Manage', 'Analyze', and 'Plan'. Below this, a sub-menu includes 'Graph', 'Real Time', 'Group', 'Trend', 'Report', and 'Cloud'. The main content area features a 'CPU Utilization' graph for the 'jaguar' node, showing utilization over a 24-hour period. The y-axis ranges from 0 to 36, and the x-axis shows time from 00:00:00 to 22:00:00. A gear icon in the top right corner of the graph area is circled in orange, indicating the customization options. Other interface elements include a search bar, a 'Configuration' button, and a 'Notes' button. The bottom of the page has a footer with links for 'Set As Home', 'Help', 'Info', and 'Logout'.

The screenshot displays the PAWZ 12.0 web interface. At the top, there's a navigation bar with 'View', 'Manage', 'Analyze', and 'Plan' tabs. Below it, a 'CPU Utilization' graph is shown for the 'jaguar' node. The graph has a y-axis from 0 to 36 and an x-axis from 00:00:00 to 14:00:00. A configuration panel titled 'Graph Background' is overlaid on the graph, showing options for background color (A6A6A6), light color background (off), gradient background (on), vertical grid lines (on), horizontal grid lines (on), border (off), and light colors (off). The interface also includes a search bar, a 'Configuration' button, and a 'Notes' button.

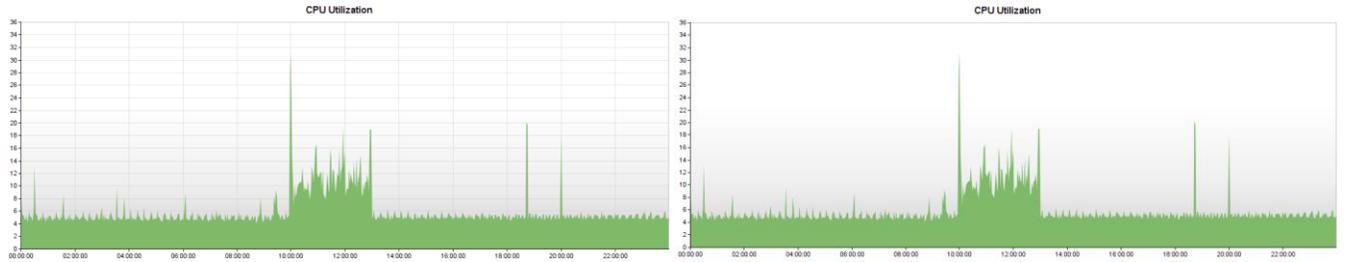
With the quick graph preference customization

- Background color can be changed quickly, by clicking on HEX color number and changing color using mouse cursor on color palate, and background color can be changed quickly to lighter shade of selected color.

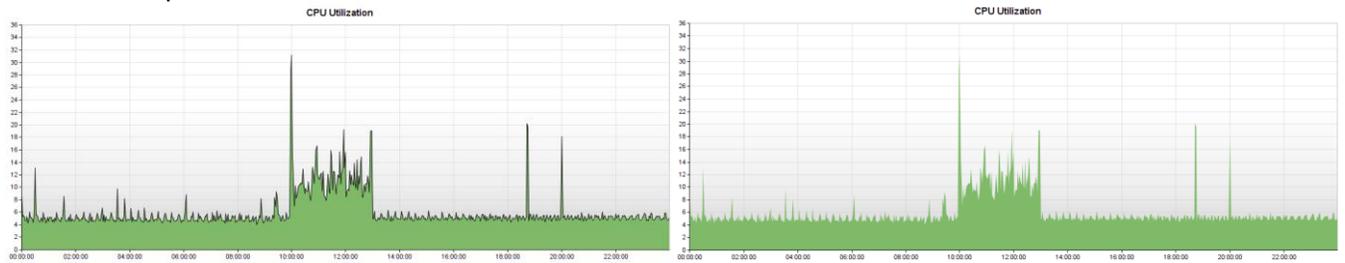
This close-up view of the 'Graph Background' configuration panel highlights the 'Background Color' section. It shows a color palette with a rainbow gradient and a vertical slider to adjust the brightness of the selected color. Below the color palette, there are toggle switches for 'Horizontal Grid Lines' (which is currently 'ON') and 'Graph Series' options: 'Border' (OFF) and 'Light Colors' (OFF). The panel also includes 'Reset Default', 'Save', and 'Preview' buttons at the bottom.



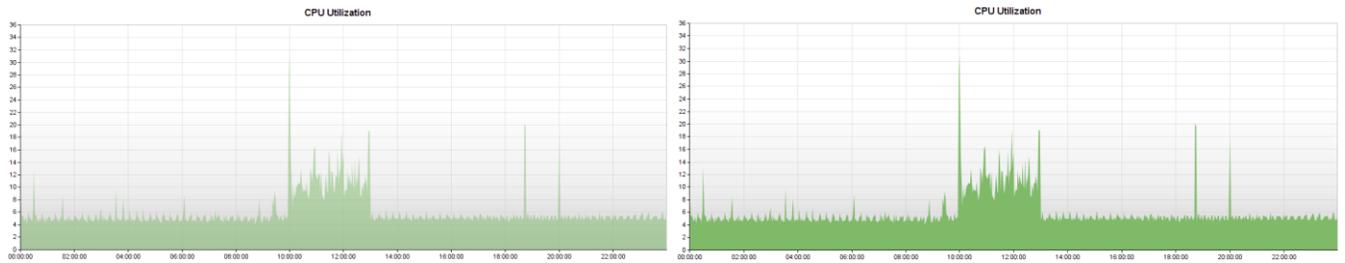
- Grid lines can be turned on / off



- Border of Graph Series can be set to visible / invisible



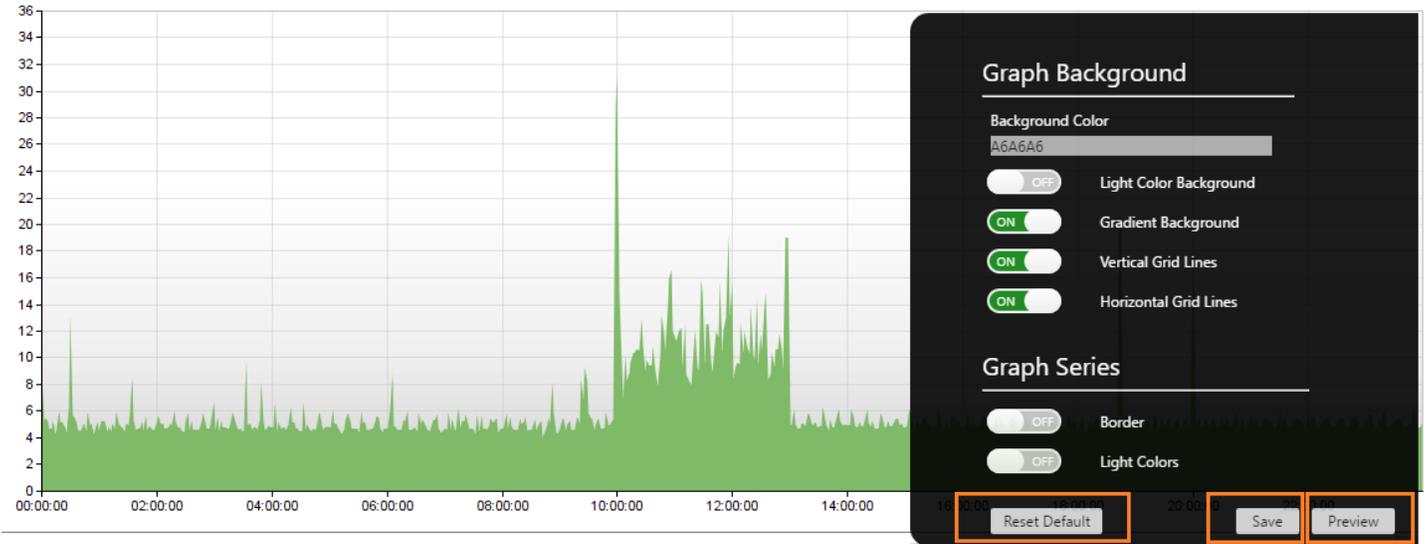
- Color of Graph Series can be set to lighter shade



***These edited settings can be saved by clicking 'Save' button or, can be used across all pages while current session is on by clicking 'Preview' button, which will revert back to original once you logout and log back in.***

These settings can be reverted back to original defaults settings by clicking 'Restore Defaults' button

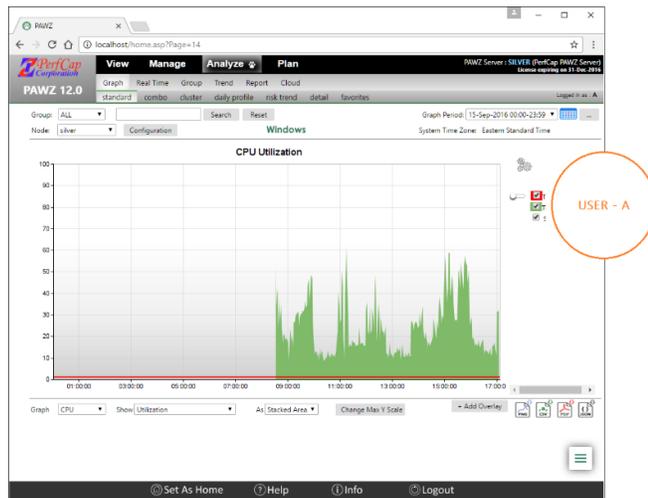
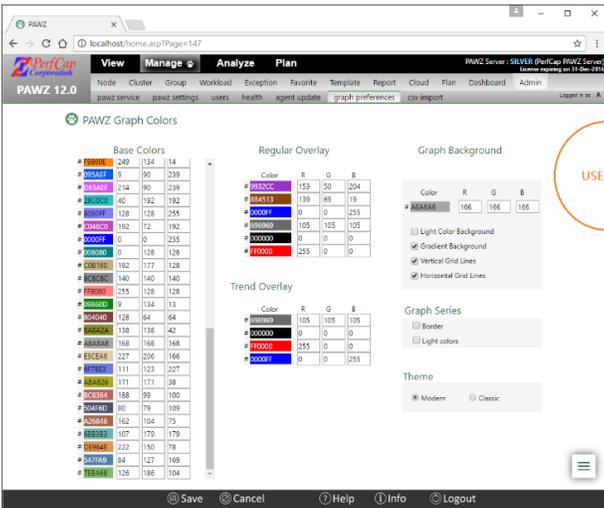
## CPU Utilization

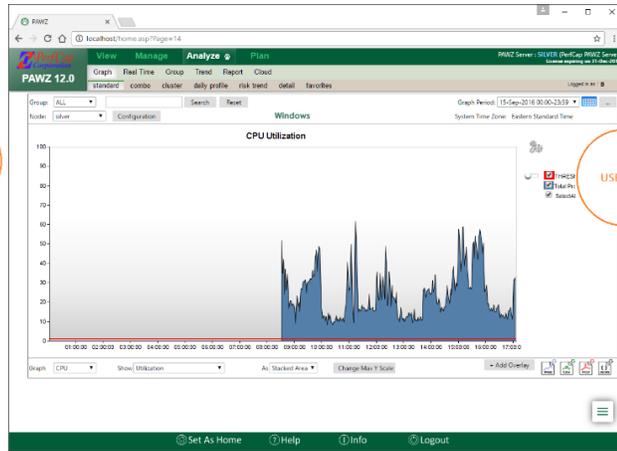
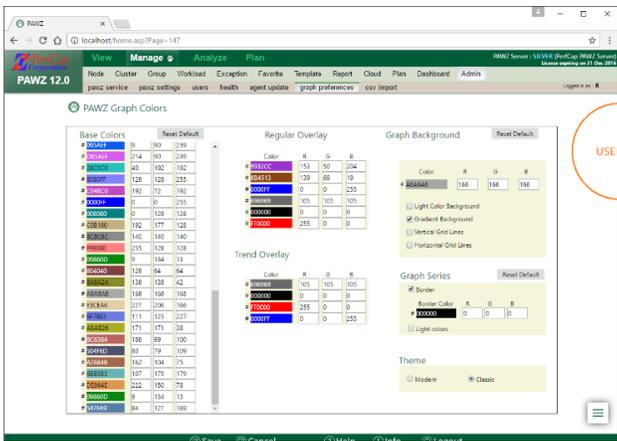


To close this Quick Graph Customization Menu, click again on the settings icon.

## Graph Settings by User

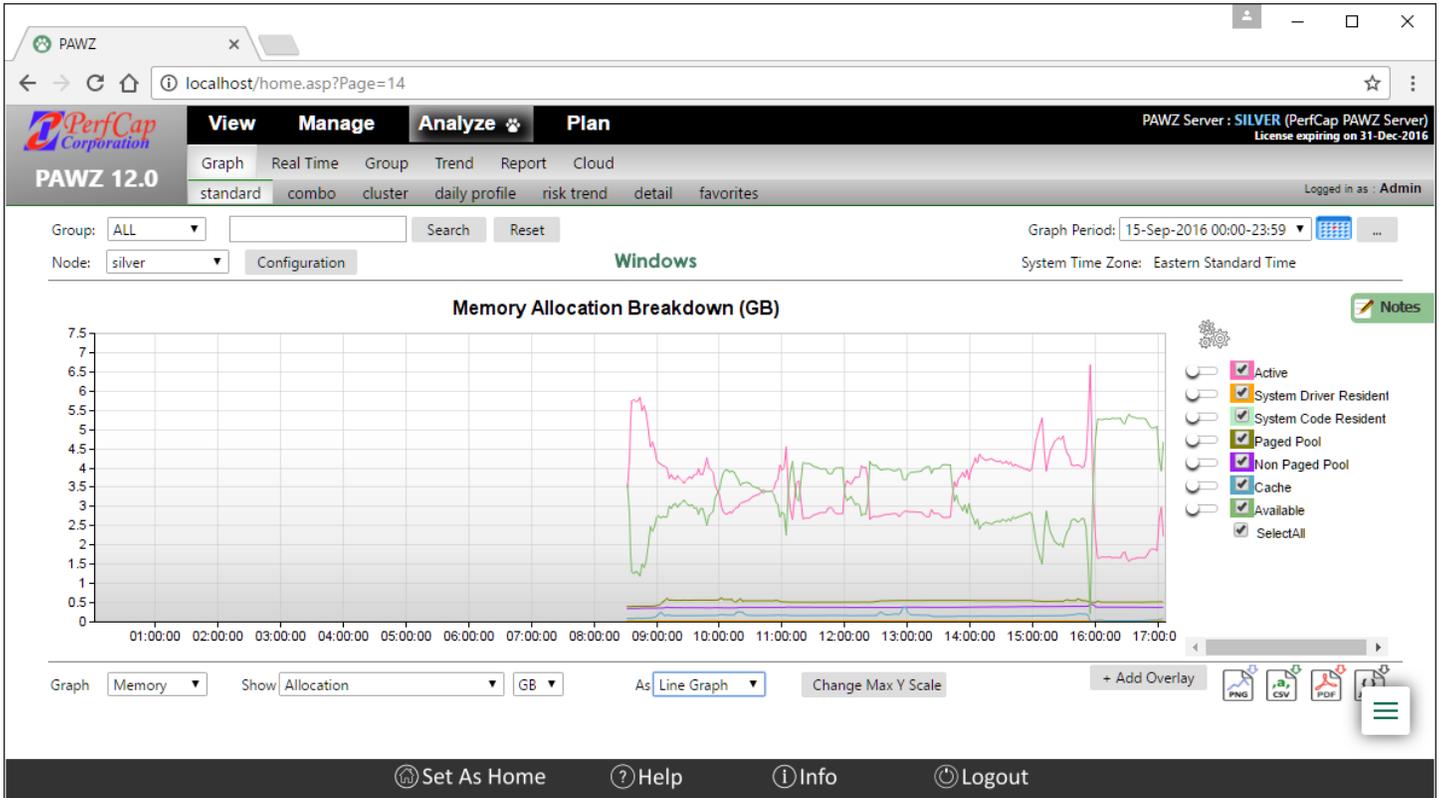
With V12.0 now every Graph Preferences settings can be customized per user account, including Base Colors, Overlay Colors, Background, Grid Line, Border settings. To change these settings, a user would need to login using their account into PAWZ Server website and from Manage- Admin-Graph Preferences these settings can be changed

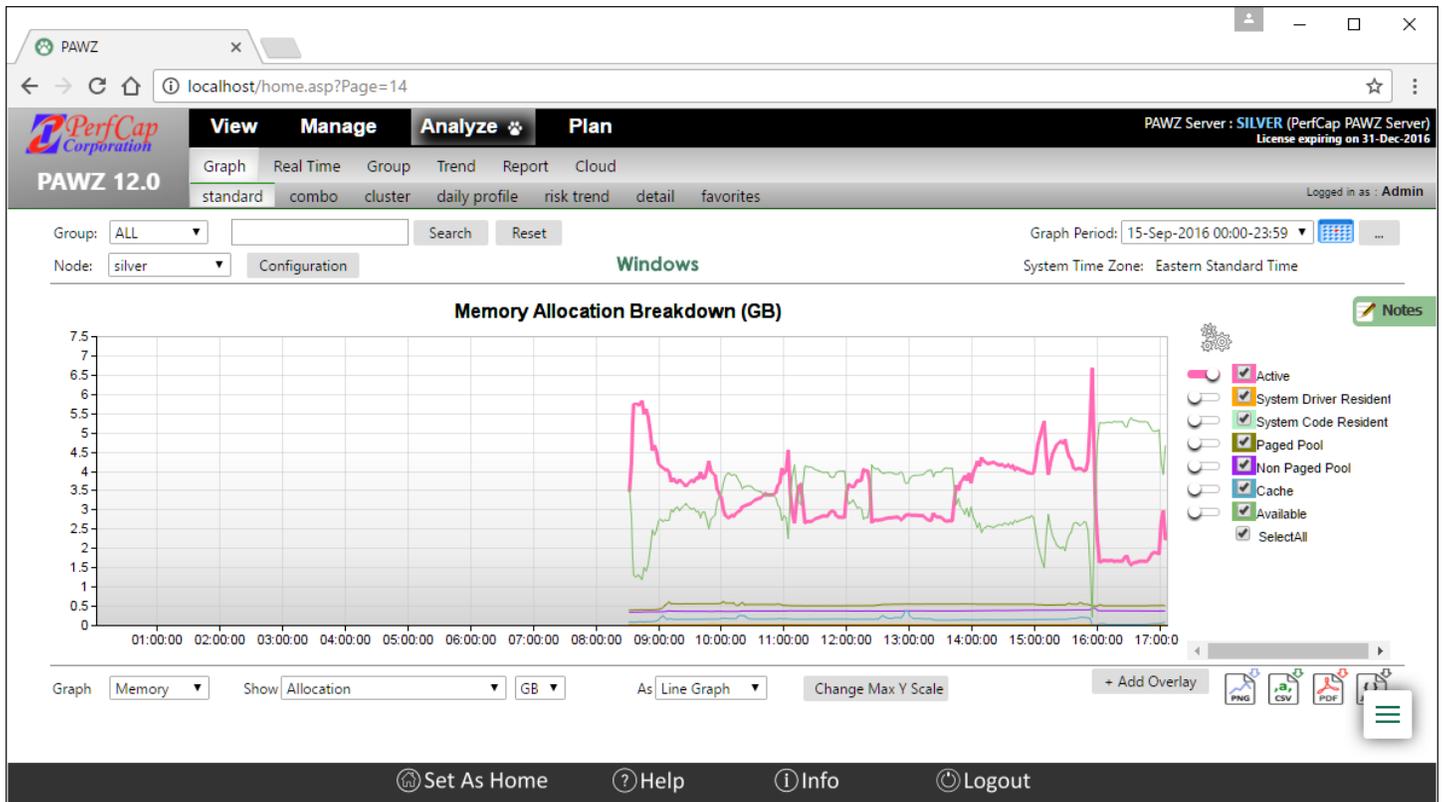




## Line Graph Highlighting

When graphs are presented as Line Graph, on the legend (right side of the graph) before line series checkboxes, a line highlighter flip button will appear, sliding this will make the line thin or thick.





## Quick Links

This feature adds capability to quickly navigate to related pages, or favorite pages. Quick Links are divided into two categories

- *Contextual Links* are different for every page
- *Global Links* will appear on every page

PAWZ

localhost/home.asp?Page=14

PerfCap Corporation  
**PAWZ 12.0**

**View Manage Analyze Plan** PAWZ Server : SILVER (PerfCap PAWZ Server)  
License expiring on 31-Dec-2016

Graph Real Time Group Trend Report Cloud  
standard combo cluster daily profile risk trend detail favorites Logged in as : Admin

Group: ALL Search Reset Graph Period: 15-Sep-2016 00:00-23:59  
Node: silver Configuration **Windows** System Time Zone: Eastern Standard Time

### CPU Utilization

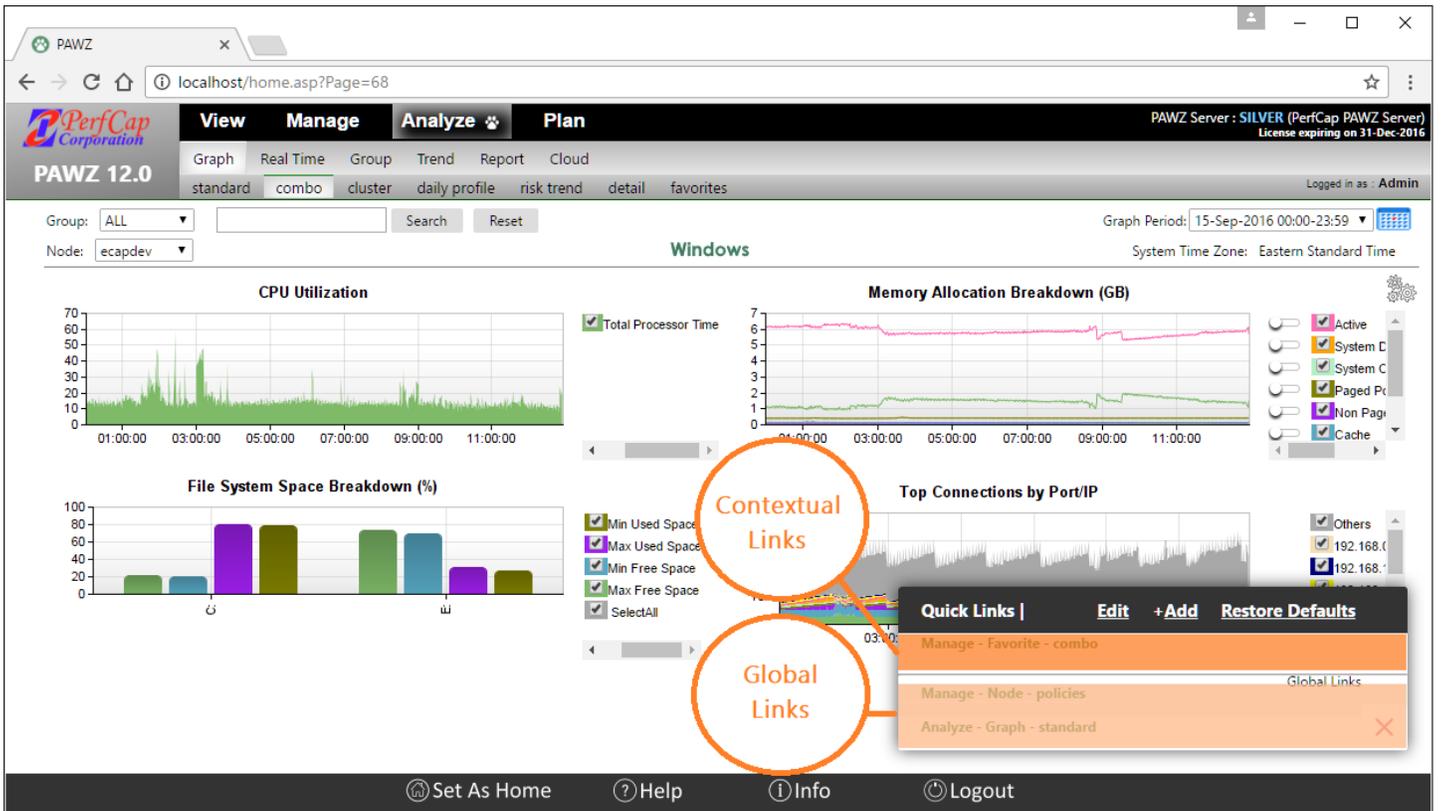
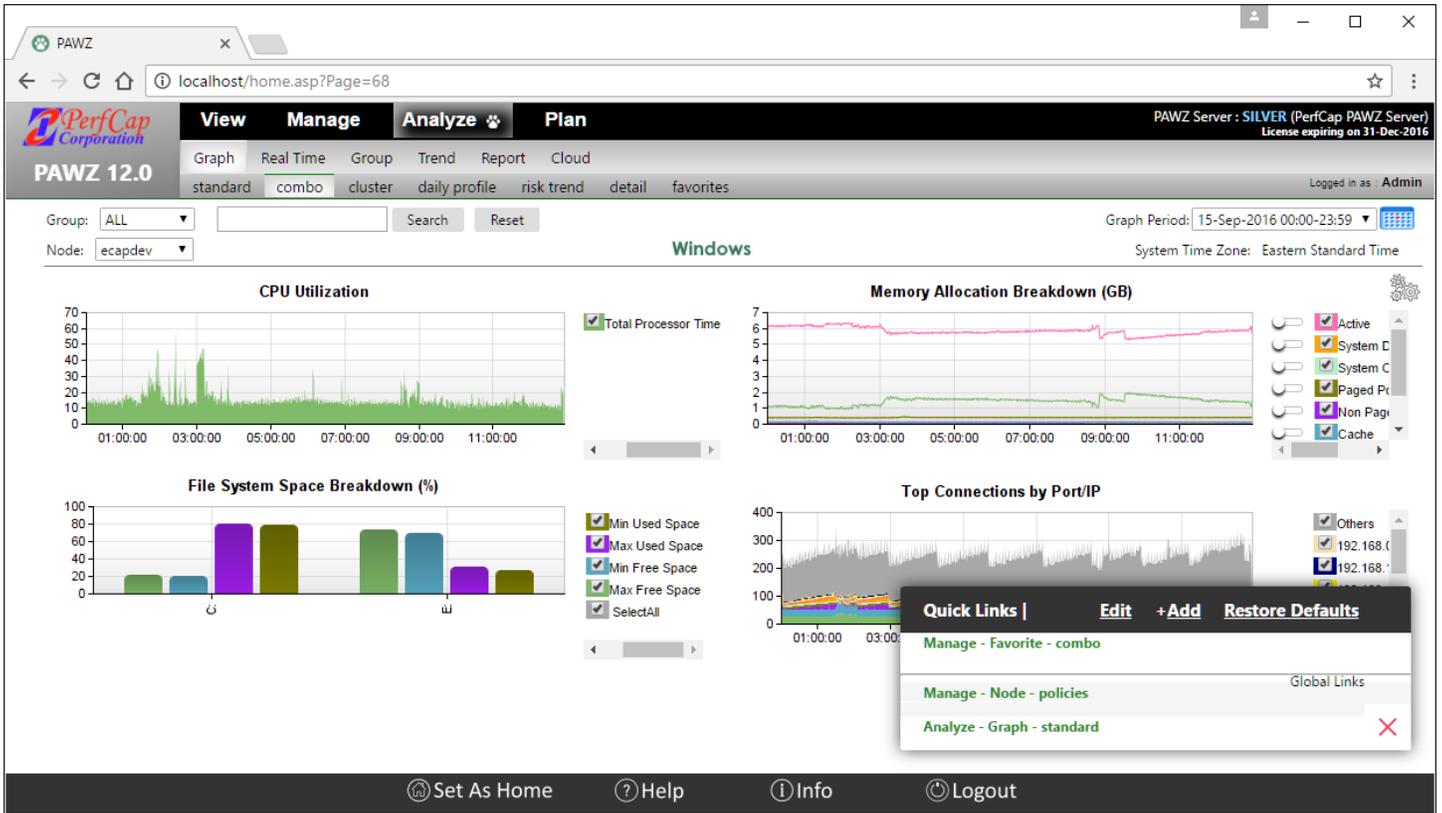
Notes

THRESHOLD  
 Total Processor  
 SelectAll

Graph CPU Show Utilization As Stacked Area Change Max Y Scale + Add Overlay PNG CSV PDF JSON

☰

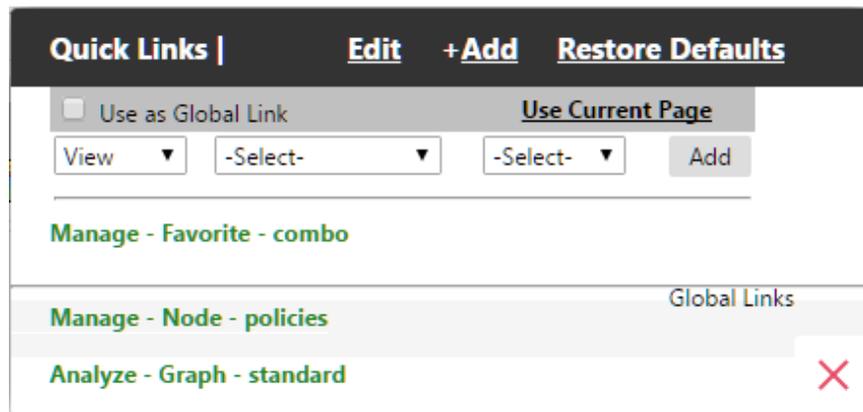
Set As Home Help Info Logout



Quick links and global links can be added, edited, removed from any page

## Adding a quick Link

- Click on link **+Add**, and choose three level menu navigation using three given drop downs which represent each level of menu bar.
- Once selected, click on Add button and the chosen page link will be added as a contextual link on that page.
- To add the selected page link as a Global link, click the checkbox *'Use as Global Link'*
- To quickly fill the current page link into the dropdowns click *'Use Current Page'*



The screenshot shows the 'Quick Links' interface in 'Add' mode. At the top, there are buttons for 'Quick Links |', 'Edit', '+Add', and 'Restore Defaults'. Below these, there is a checkbox for 'Use as Global Link' and a button for 'Use Current Page'. The main area contains three dropdown menus for selecting menu levels, each currently set to '-Select-', and an 'Add' button. Below the dropdowns, there are three quick links listed: 'Manage - Favorite - combo', 'Manage - Node - policies', and 'Analyze - Graph - standard'. The 'Global Links' section is visible on the right side of the list, and a red 'X' icon is present at the bottom right of the list.

## Editing a quick Link

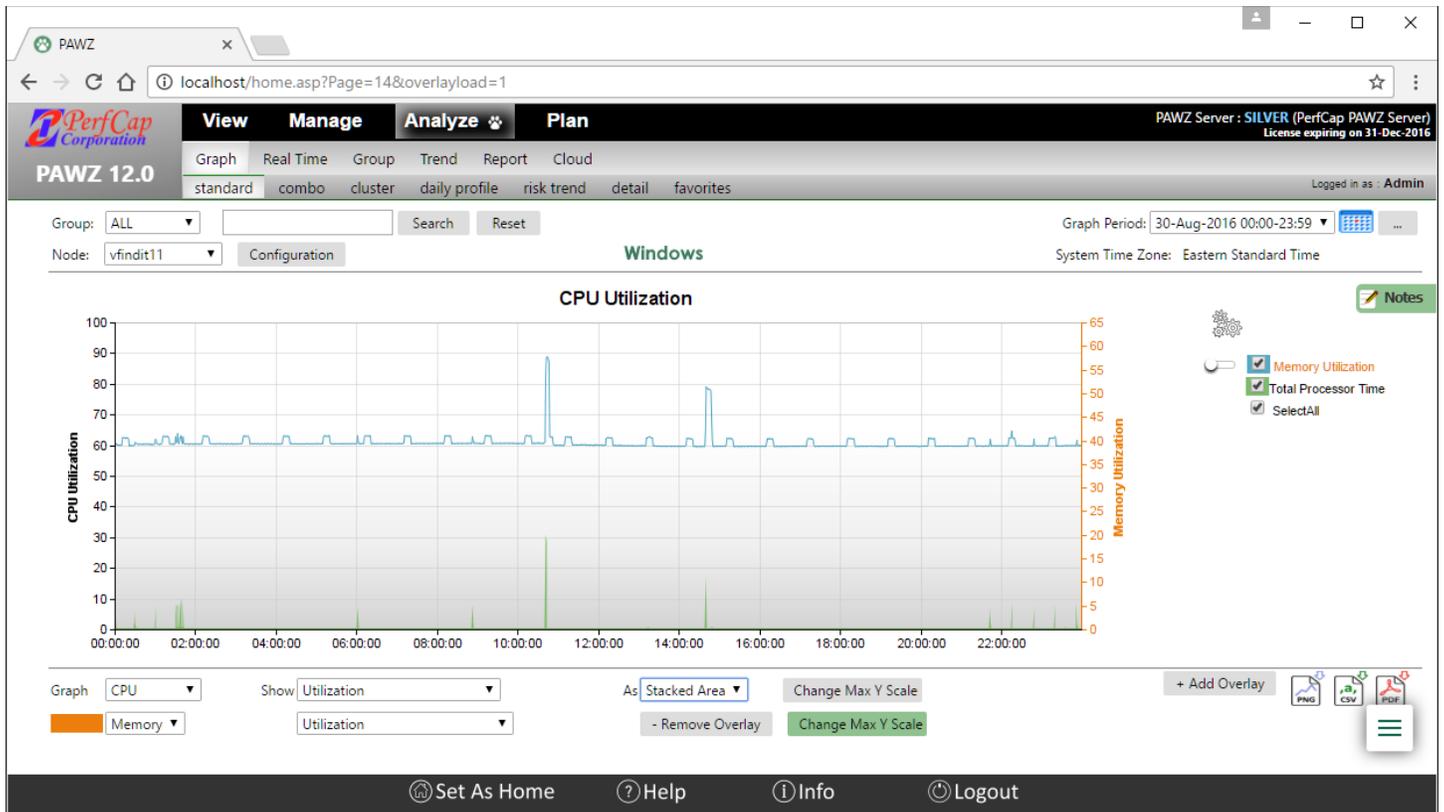
- Click on **Edit**, and all saved links will appear in edit mode. The link display name can be edited. The icons after the name are *Save* or *Delete*.



The screenshot shows the 'Quick Links' interface in 'Edit' mode. At the top, there are buttons for 'Quick Links |', 'Edit', '+Add', and 'Restore Defaults'. Below these, there are three quick links listed: 'Manage - Favorite - combo', 'Manage - Node - policies', and 'Analyze - Graph - standard'. Each link has a text input field for editing the name and two icons (a document icon and a plus icon) for saving or deleting the link. The 'Global Links' section is visible on the right side of the list, and a red 'X' icon is present at the bottom right of the list.

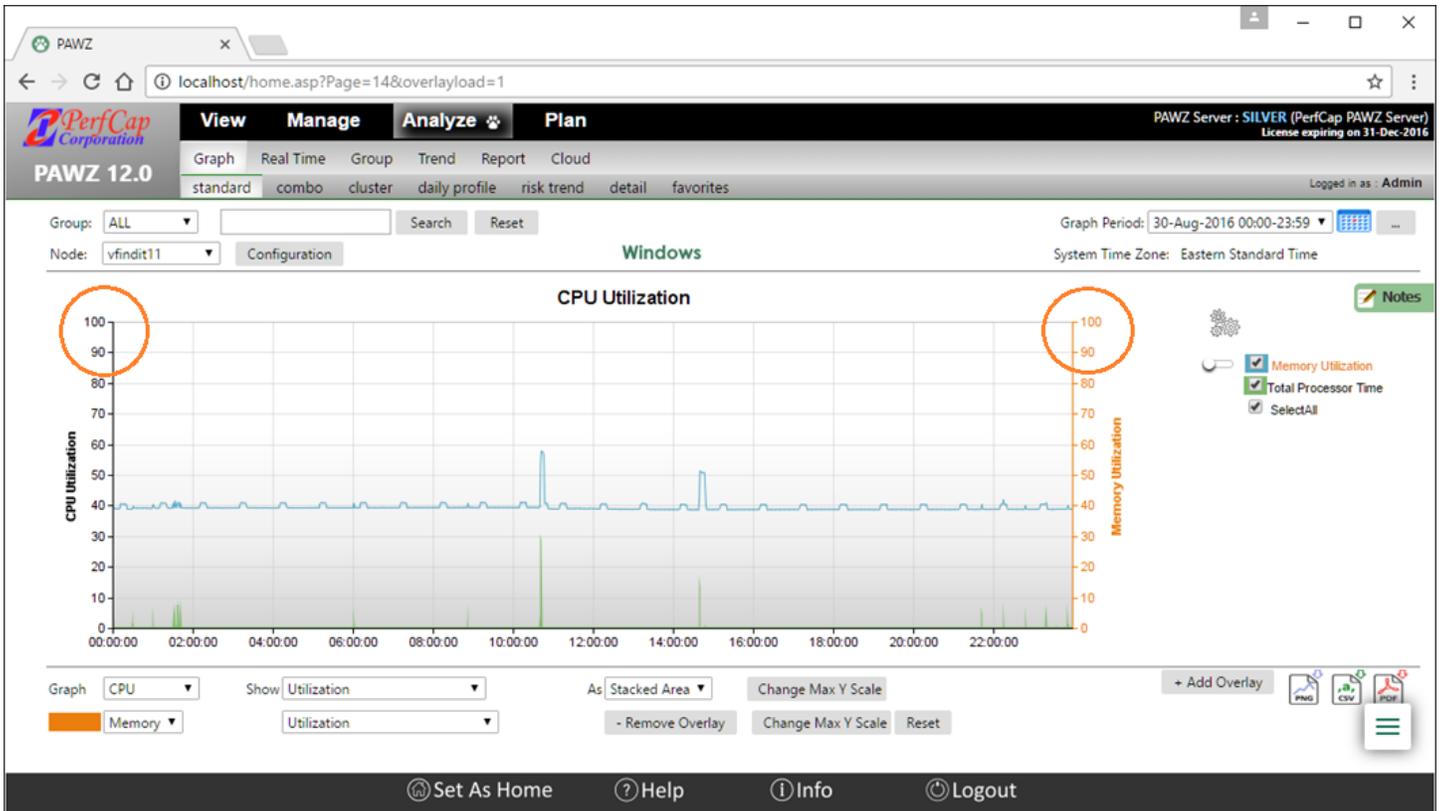
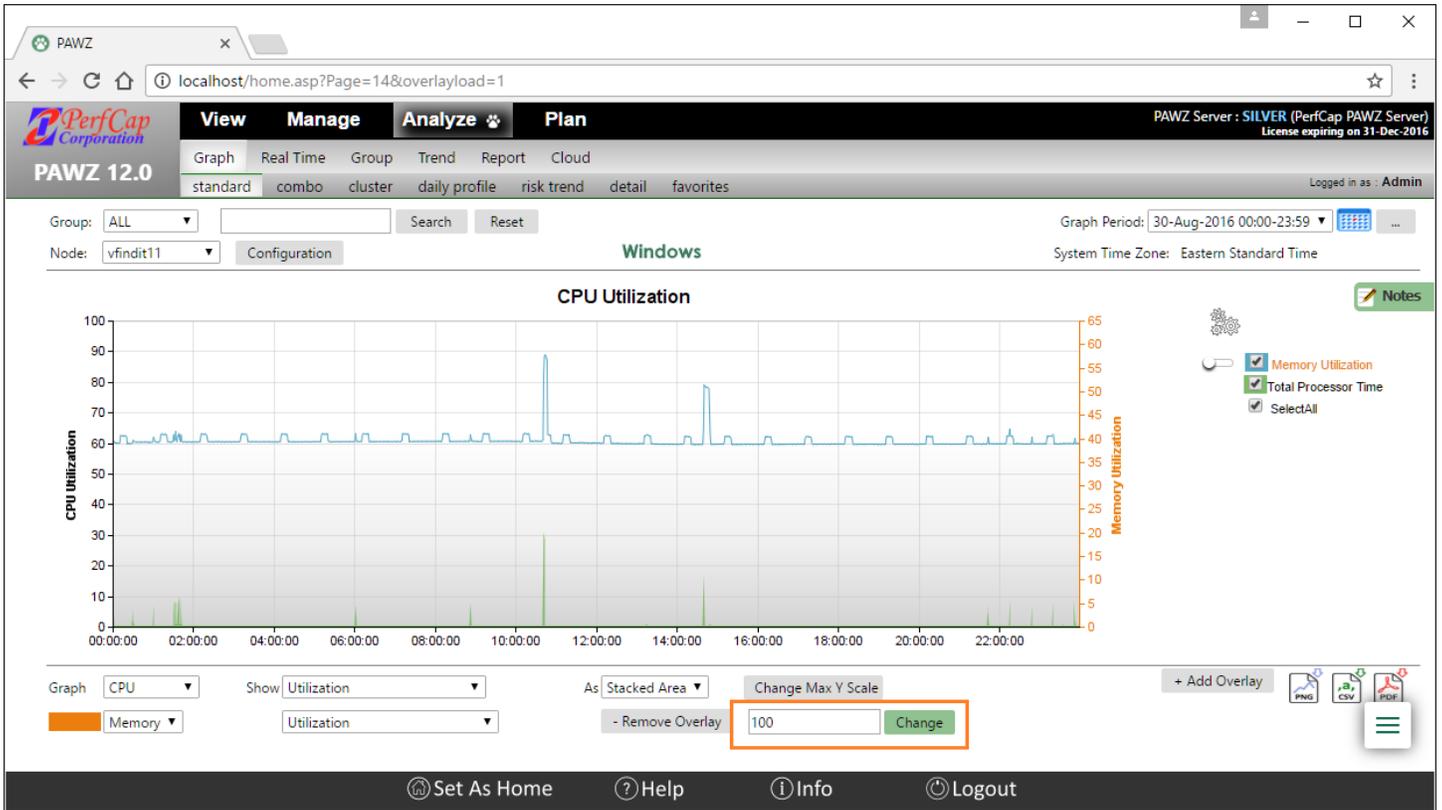
## Customize Y Scale

Standard Graph can have up to 3 overlays. By default scale ranges are adjusted automatically based on the selected data. Every Y scale maximum value can be customized.



In above case, Standard Graph CPU Utilization has scale of 100 (on left) and Memory Utilization overlay has scale of 65 (on right). Since this example contains utilization on both axis, we may want to make the overlay graph correspond to the primary (100 maximum).

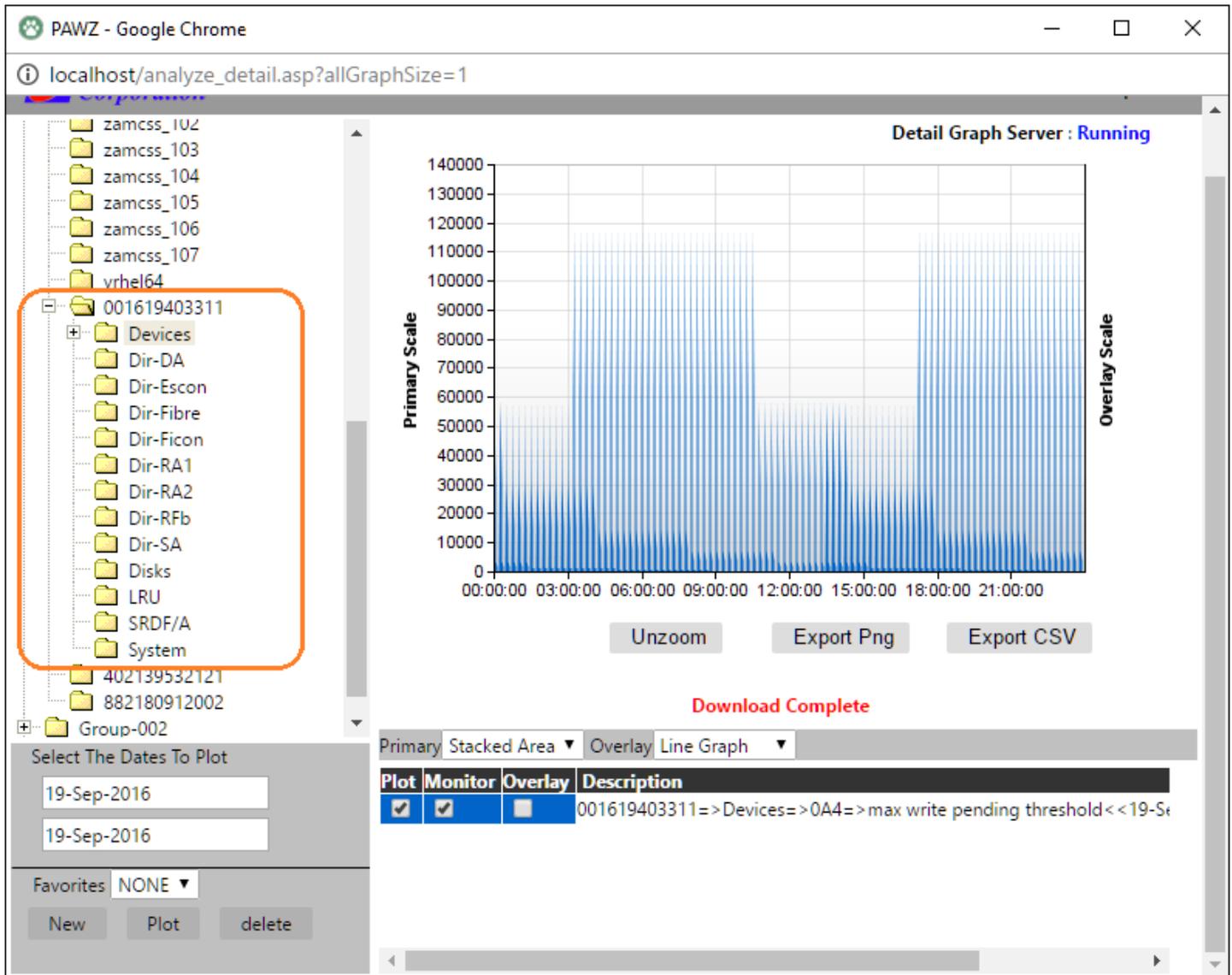
Click on '**Change Max Y Scale**' next to Memory Utilization selection and then input value 100, and click Save



# PAWZ Server Data

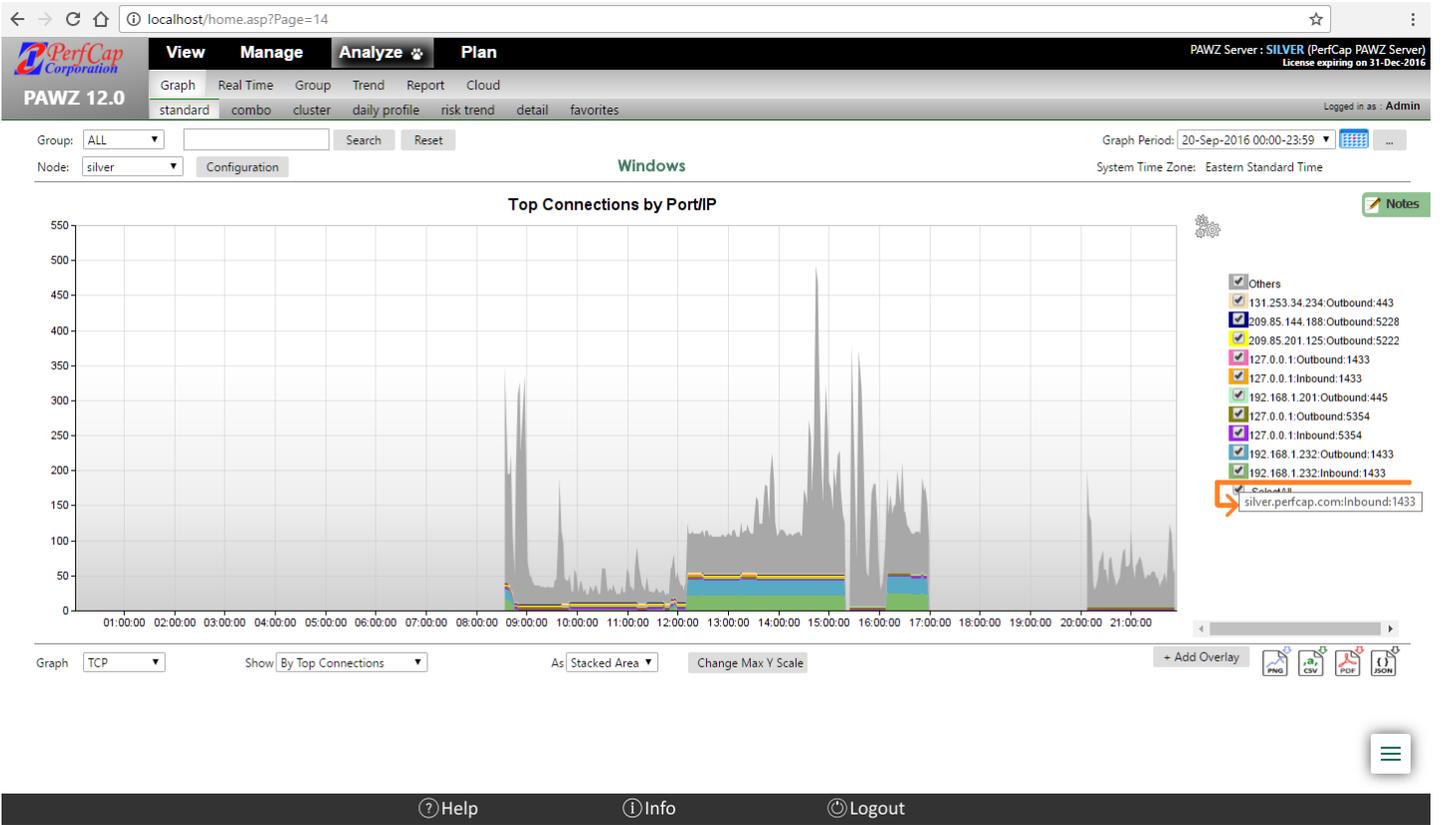
## EMC Detailed Graph data

EMC nodes can be viewed with Detailed Graphs. To see EMC Detailed Data, go to Analyze-Graph-Detail, and after launching Detail Graph expand EMC node from node list



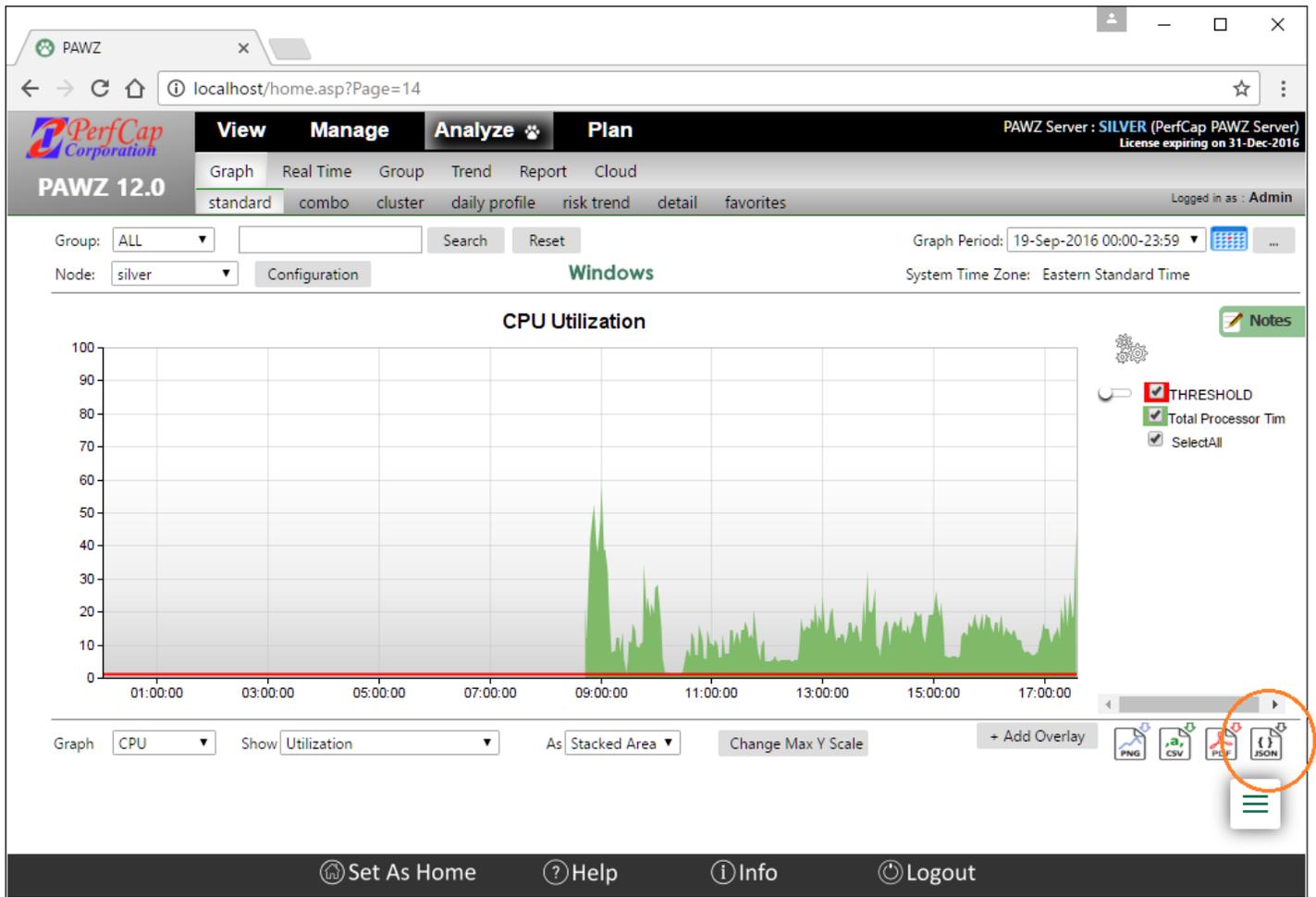
## DNS Name Resolution for TCP graphs

Performance Graph for TCP – By Top Connections shows top connection information by IP Address. To see DNS resolved name, move mouse over the checkbox.



## JSON data exports

Performance Graphs now are capable of exporting in JSON format. To export graph in JSON format, click on JSON download link from graph page.



This will export JSON data in new browser window/tab.

```
localhost/restful/getStandardGraph_V120/admin/pawz1/silver/CPU/Utilization/ALL/9-19-2016/pawz
{"Result":[{"Node": "silver","Metric": "CPU","SubMetric": "Utilization","Counter": "Total Processor Time","Graph Title": "CPU Utilization - Total Processor Time","Graph Date": "19-Sep-2016","Server Date Time": "20-Sep-2016 09:56:36","Server Time Zone": "UTC-04:00","Data": [{"Time": "19-Sep-2016 00:02:00","Value": "HOLE"}, {"Time": "19-Sep-2016 08:35:00","Value": "17.80"}, {"Time": "19-Sep-2016 08:37:00","Value": "HOLE"}, {"Time": "19-Sep-2016 08:43:00","Value": "21.91"}, {"Time": "19-Sep-2016 08:45:00","Value": "12.00"}, {"Time": "19-Sep-2016 08:47:00","Value": "32.56"}, {"Time": "19-Sep-2016 08:49:00","Value": "42.22"}, {"Time": "19-Sep-2016 08:51:00","Value": "49.51"}, {"Time": "19-Sep-2016 08:53:00","Value": "52.72"}, {"Time": "19-Sep-2016 08:55:00","Value": "40.19"}, {"Time": "19-Sep-2016 08:57:00","Value": "38.17"}, {"Time": "19-Sep-2016 08:59:00","Value": "47.28"}, {"Time": "19-Sep-2016 09:01:00","Value": "58.90"}, {"Time": "19-Sep-2016 09:03:00","Value": "38.61"}, {"Time": "19-Sep-2016 09:05:00","Value": "38.90"}, {"Time": "19-Sep-2016 09:07:00","Value": "32.08"}, {"Time": "19-Sep-2016 09:09:00","Value": "21.43"}, {"Time": "19-Sep-2016 09:11:00","Value": "7.68"}, {"Time": "19-Sep-2016 09:13:00","Value": "7.97"}, {"Time": "19-Sep-2016 09:15:00","Value": "8.26"}, {"Time": "19-Sep-2016 09:17:00","Value": "12.59"}, {"Time": "19-Sep-2016 09:19:00","Value": "12.16"}, {"Time": "19-Sep-2016 09:21:00","Value": "8.04"}, {"Time": "19-Sep-2016 09:23:00","Value": "14.12"}, {"Time": "19-Sep-2016 09:25:00","Value": "5.59"}, {"Time": "19-Sep-2016 09:27:00","Value": "1.54"}, {"Time": "19-Sep-2016 09:29:00","Value": "5.09"}, {"Time": "19-Sep-2016 09:31:00","Value": "11.31"}, {"Time": "19-Sep-2016 09:33:00","Value": "10.78"}, {"Time": "19-Sep-2016 09:35:00","Value": "16.81"}, {"Time": "19-Sep-2016 09:37:00","Value": "14.37"}, {"Time": "19-Sep-2016 09:39:00","Value": "9.74"}, {"Time": "19-Sep-2016 09:41:00","Value": "9.01"}, {"Time": "19-Sep-2016 09:43:00","Value": "10.40"}, {"Time": "19-Sep-2016 09:45:00","Value": "11.16"}, {"Time": "19-Sep-2016 09:47:00","Value": "34.56"}, {"Time": "19-Sep-2016 09:49:00","Value": "20.99"}, {"Time": "19-Sep-2016 09:51:00","Value": "24.45"}, {"Time": "19-Sep-2016 09:53:00","Value": "18.53"}, {"Time": "19-Sep-2016 09:55:00","Value": "22.78"}, {"Time": "19-Sep-2016 09:57:00","Value": "19.23"}, {"Time": "19-Sep-2016 09:59:00","Value": "27.20"}, {"Time": "19-Sep-2016 10:01:00","Value": "28.46"}, {"Time": "19-Sep-2016 10:03:00","Value": "25.05"}, {"Time": "19-Sep-2016 10:05:00","Value": "15.30"}, {"Time": "19-Sep-2016 10:07:00","Value": "5.70"}, {"Time": "19-Sep-2016 10:09:00","Value": "1.69"}, {"Time": "19-Sep-2016 10:11:00","Value": "2.07"}, {"Time": "19-Sep-2016 10:13:00","Value": "1.41"}, {"Time": "19-Sep-2016 10:15:00","Value": "1.06"}, {"Time": "19-Sep-2016 10:17:00","Value": "1.41"}, {"Time": "19-Sep-2016 10:19:00","Value": "1.25"}, {"Time": "19-Sep-2016 10:21:00","Value": "1.35"}, {"Time": "19-Sep-2016 10:23:00","Value": "1.13"}, {"Time": "19-Sep-2016 10:26:00","Value": "1.10"}, {"Time": "19-Sep-2016 10:28:00","Value": "1.73"}, {"Time": "19-Sep-2016 10:30:00","Value": "3.81"}, {"Time": "19-Sep-2016 10:32:00","Value": "8.11"}, {"Time": "19-Sep-2016 10:34:00","Value": "8.74"}, {"Time": "19-Sep-2016 10:36:00","Value": "6.34"}, {"Time": "19-Sep-2016 10:38:00","Value": "13.98"}, {"Time": "19-Sep-2016 10:40:00","Value": "12.12"}, {"Time": "19-Sep-2016 10:42:00","Value": "7.04"}, {"Time": "19-Sep-2016 10:44:00","Value": "6.65"}, {"Time": "19-Sep-2016 10:46:00","Value": "16.29"}, {"Time": "19-Sep-2016 10:48:00","Value": "13.28"}, {"Time": "19-Sep-2016 10:50:00","Value": "11.54"}, {"Time": "19-Sep-2016 10:52:00","Value": "5.55"}, {"Time": "19-Sep-2016 10:54:00","Value": "5.51"}, {"Time": "19-Sep-2016 10:56:00","Value": "14.86"}, {"Time": "19-Sep-2016 10:58:00","Value": "10.09"}, {"Time": "19-Sep-2016 11:00:00","Value": "10.57"}, {"Time": "19-Sep-2016 11:02:00","Value": "9.62"}, {"Time": "19-Sep-2016 11:04:00","Value": "11.59"}, {"Time": "19-Sep-2016 11:06:00","Value": "9.73"}, {"Time": "19-Sep-2016 11:08:00","Value": "6.14"}, {"Time": "19-Sep-2016 11:10:00","Value": "6.57"}, {"Time": "19-Sep-2016 11:12:00","Value": "13.38"}, {"Time": "19-Sep-2016 11:14:00","Value": "7.05"}, {"Time": "19-Sep-2016 11:16:00","Value": "7.08"}, {"Time": "19-Sep-2016 11:18:00","Value": "7.50"}, {"Time": "19-Sep-2016 11:20:00","Value": "14.24"}, {"Time": "19-Sep-2016 11:22:00","Value": "14.48"}, {"Time": "19-Sep-2016 11:24:00","Value": "9.74"}, {"Time": "19-Sep-2016 11:26:00","Value": "13.75"}, {"Time": "19-Sep-2016 11:28:00","Value": "13.51"}, {"Time": "19-Sep-2016 11:30:00","Value": "10.40"}, {"Time": "19-Sep-2016 11:32:00","Value": "14.61"}, {"Time": "19-Sep-2016 11:34:00","Value": "14.39"}, {"Time": "19-Sep-2016 11:36:00","Value": "17.43"}, {"Time": "19-Sep-2016 11:38:00","Value": "14.91"}, {"Time": "19-Sep-2016 11:40:00","Value": "12.24"}, {"Time": "19-Sep-2016 11:42:00","Value": "13.23"}, {"Time": "19-Sep-2016 11:44:00","Value": "11.91"}, {"Time": "19-Sep-2016 11:46:00","Value": "20.80"}, {"Time": "19-Sep-2016 11:48:00","Value": "11.95"}, {"Time": "19-Sep-2016 11:50:00","Value": "8.00"}, {"Time": "19-Sep-2016 11:52:00","Value": "5.37"}, {"Time": "19-Sep-2016 11:54:00","Value": "9.78"}, {"Time": "19-Sep-2016 11:56:00","Value": "11.54"}, {"Time": "19-Sep-2016 11:58:00","Value": "11.54"}, {"Time": "19-Sep-2016 12:00:00","Value": "11.54"}]}
```

JSON data structure is standardized data format which can be used for analysis with tools too. Below is the formatted JSON data structure

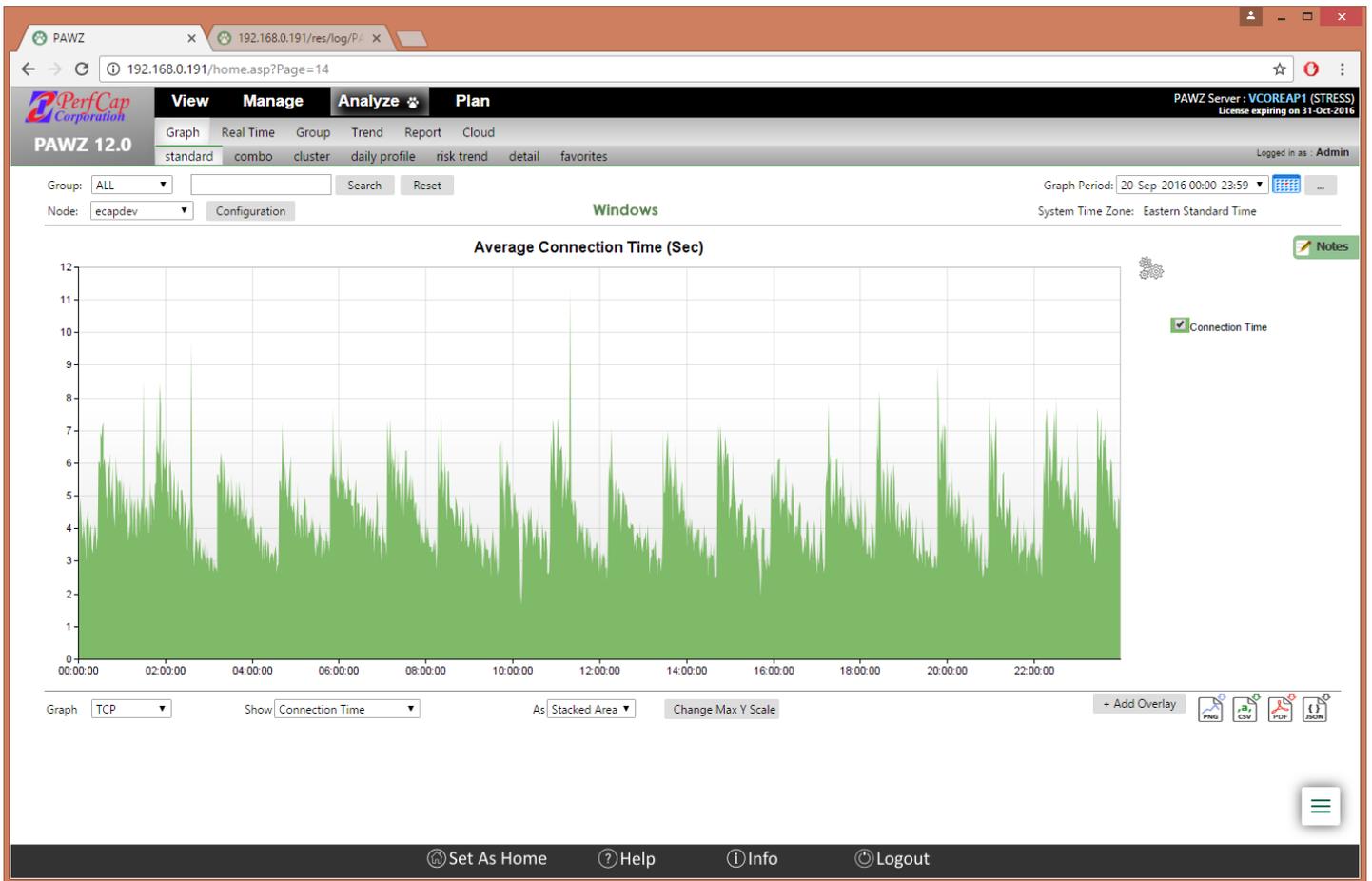
```

1 {
2   "Result": [{
3     "Node": "silver",
4     "Metric": "CPU",
5     "SubMetric": "Utilization",
6     "Counter": "Total Processor Time",
7     "Graph Title": "CPU Utilization - Total Processor Time",
8     "Graph Date": "19-Sep-2016",
9     "Server Date Time": "20-Sep-2016 09:56:36",
10    "Server Time Zone": "UTC-04:00",
11    "Data": [{
12      "Time": "19-Sep-2016 00:02:00",
13      "Value": "HOLE"
14    }, {
15      "Time": "19-Sep-2016 08:35:00",
16      "Value": 17.80
17    }, {
18      "Time": "19-Sep-2016 08:37:00",
19      "Value": "HOLE"
20    }, {
21      -
22      -
23      -
812    }, {
813      "Time": "19-Sep-2016 17:33:00",
814      "Value": 44.77
815    }, {
816      "Time": "19-Sep-2016 17:35:00",
817      "Value": "HOLE"
818    }
819  ]
820 }

```

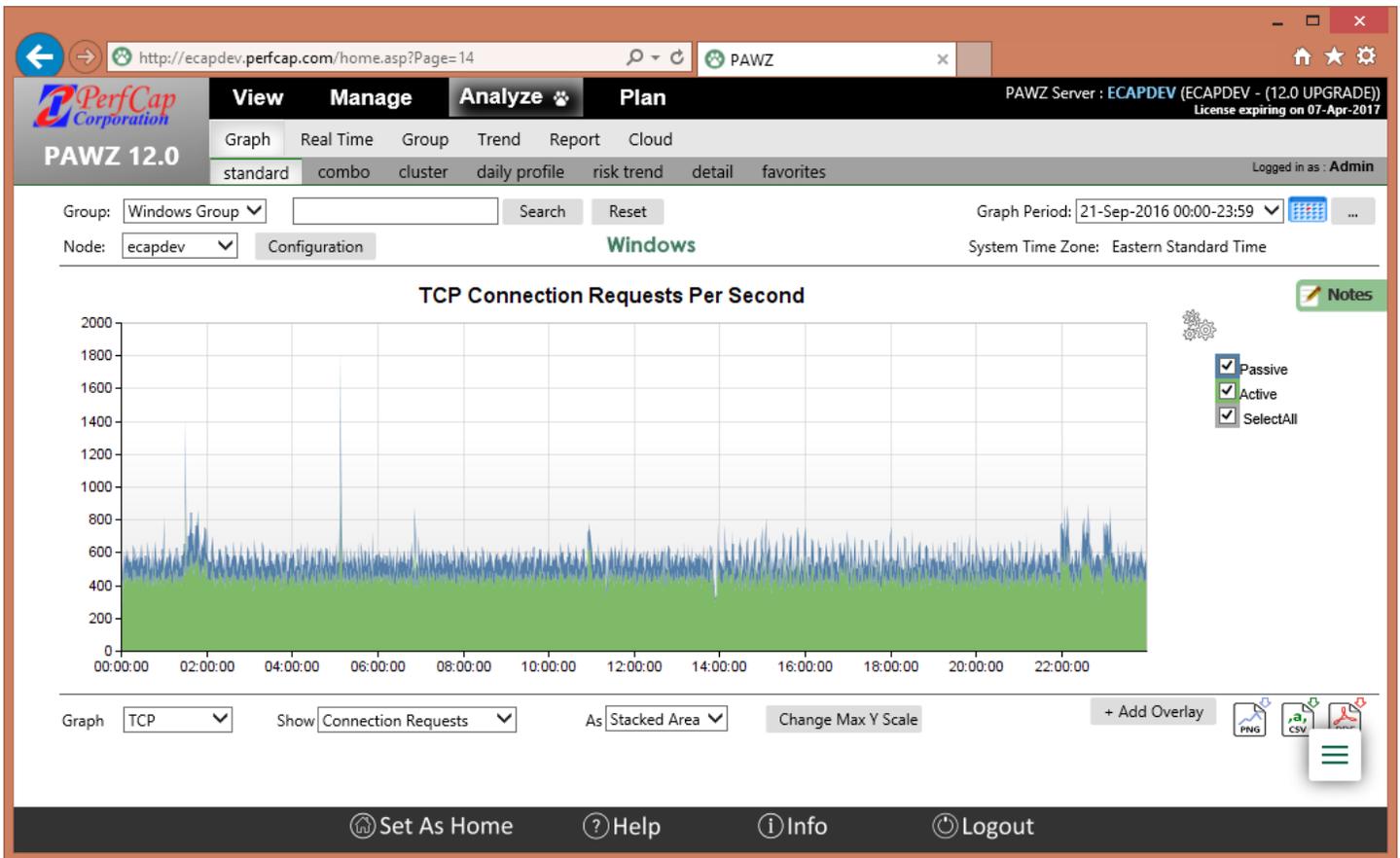
## Standard Graph TCP Connect Time

There is a new standard graph TCP Connection time. This is the number of connections per second divided by the number of connections.



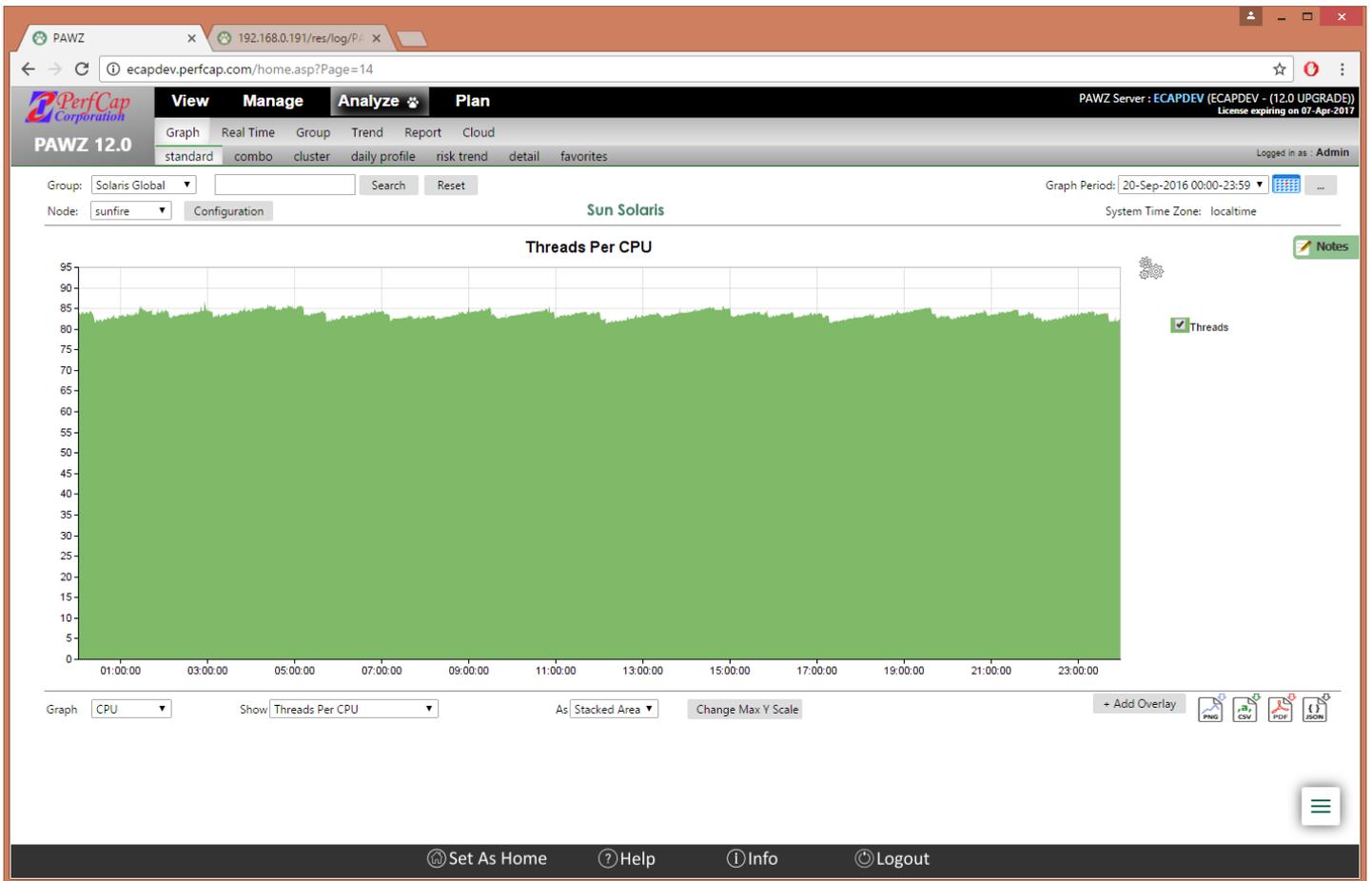
## Standard Graph TCP Connection Requests (Windows)

There is a new standard graph TCP Connection requests. This is the number of active and passive connections requests per second.



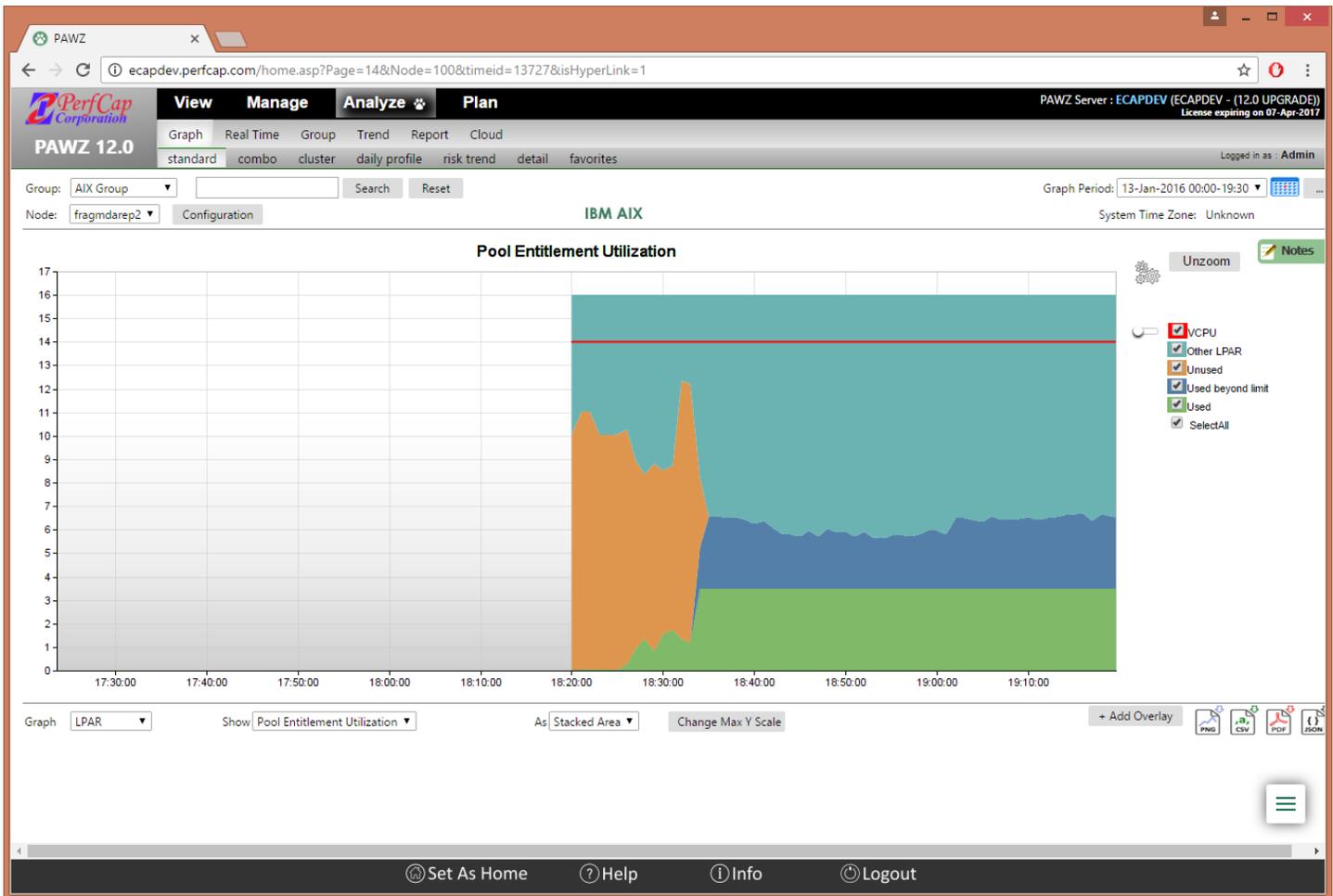
## CPU Threads per CPU (SOLARIS)

There is a new standard graph CPU Threads per CPU for Solaris. This is the number of process threads divided by the number of processors.



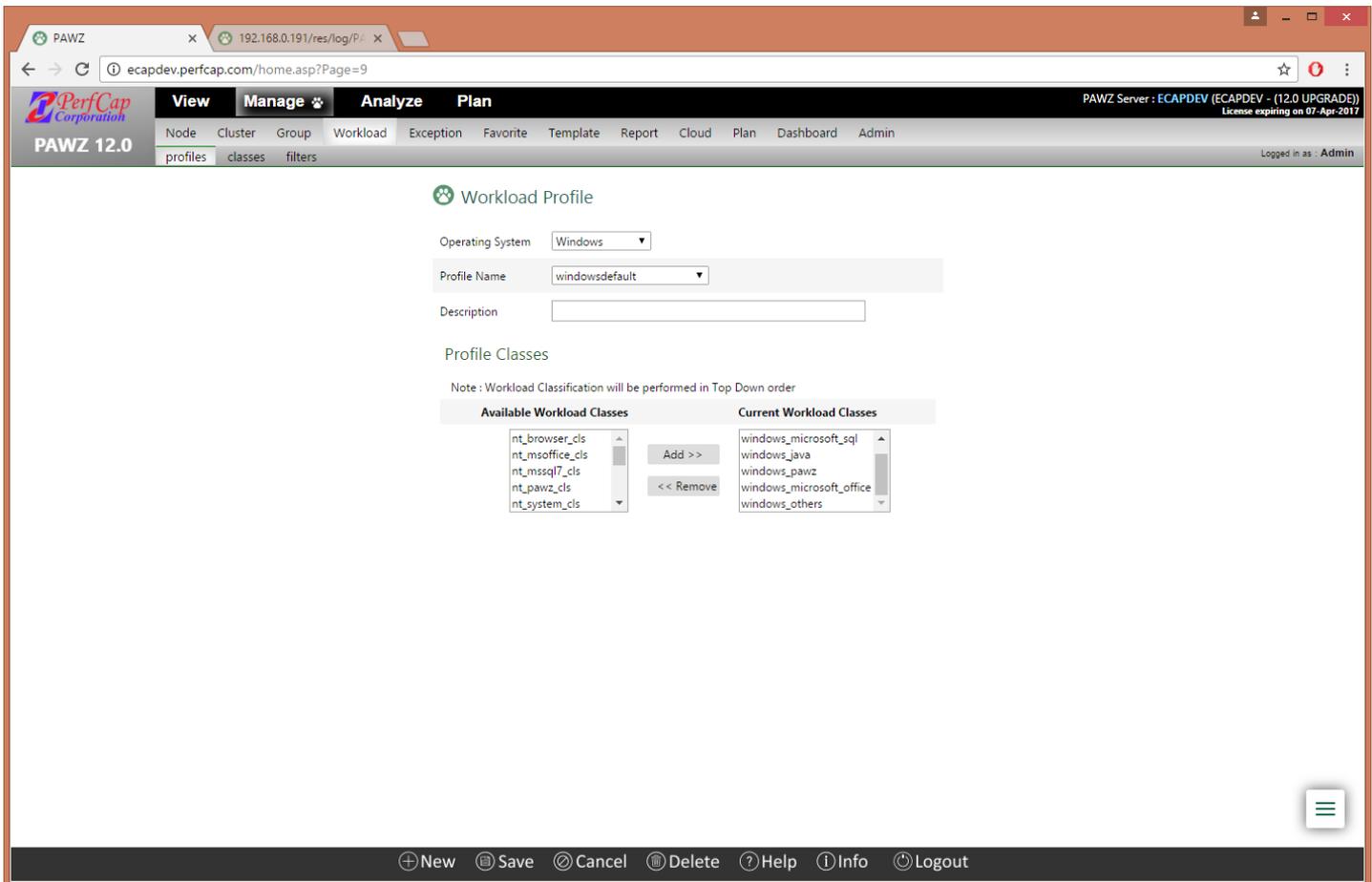
## LPAR Pool Entitlement (AIX)

There is a new standard graph LPAR Pool Entitlement for AIX.



## Workload Profile Windows

The default Windows **workload profile** has been changed to 'windowsdefault' from 'ntdefault'. This workload profile has more modern classes and filters for a Windows Server environment. There are classes for Microsoft SQL Server, Java, PAWZ, Microsoft Office. This default **Workload Profile** will not automatically be assigned to existing nodes, but can be used by the application of a Workload Template to a node.



## PAWZ Management

### CSV Importer Downloadable Templates

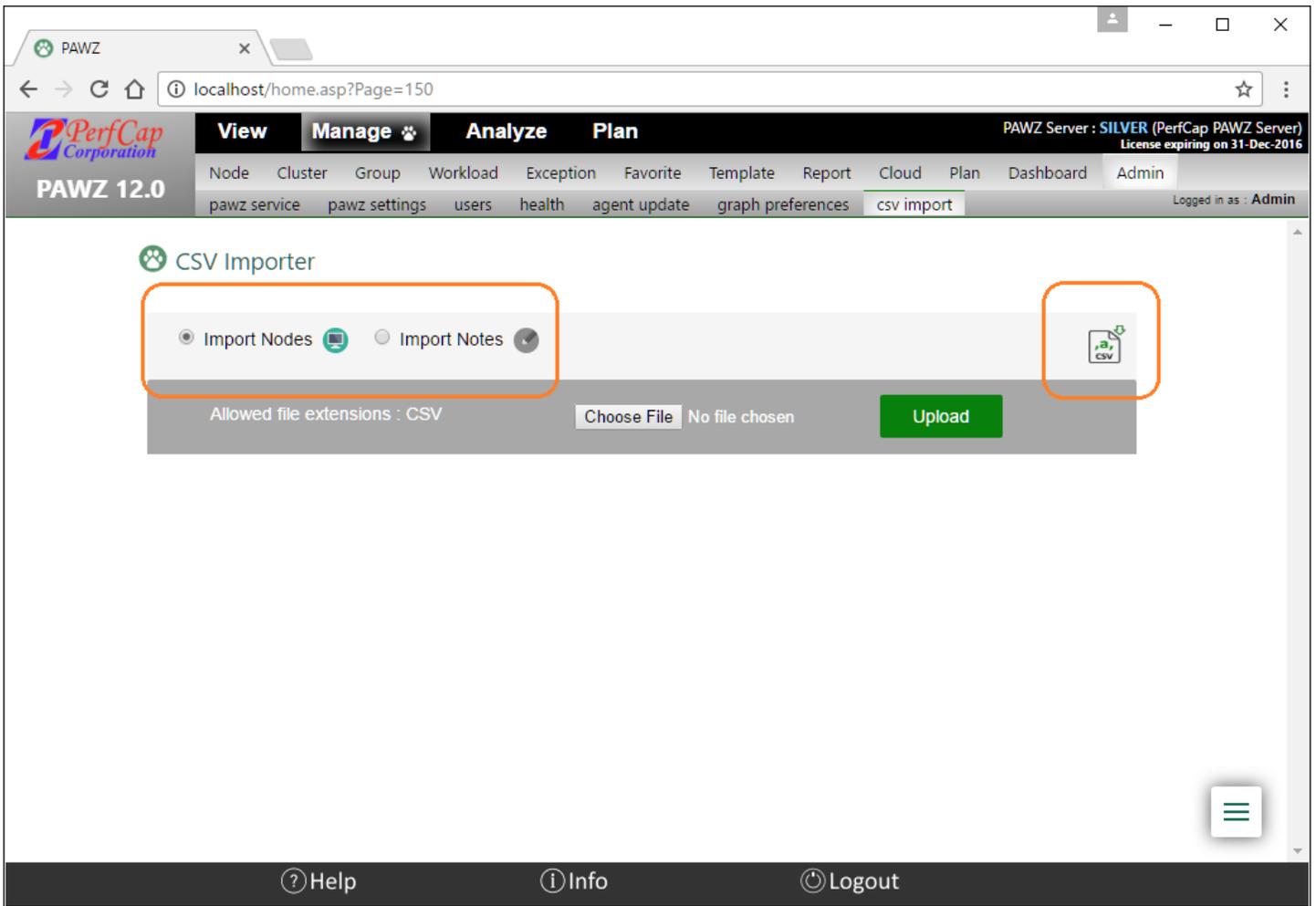
Web based CSV Importing was introduced in a previous version of PAWZ Server. The current version CSV Importer has been enhanced and is capable of importing large number of nodes at once with updated validation.

#### Downloadable CSV importer template

The downloadable CSV template feature creates a csv file with headings that you choose, downloaded to your system. This CSV file can then be populated with your data for importing into the PAWZ Server. This can be used for both Nodes and Notes.

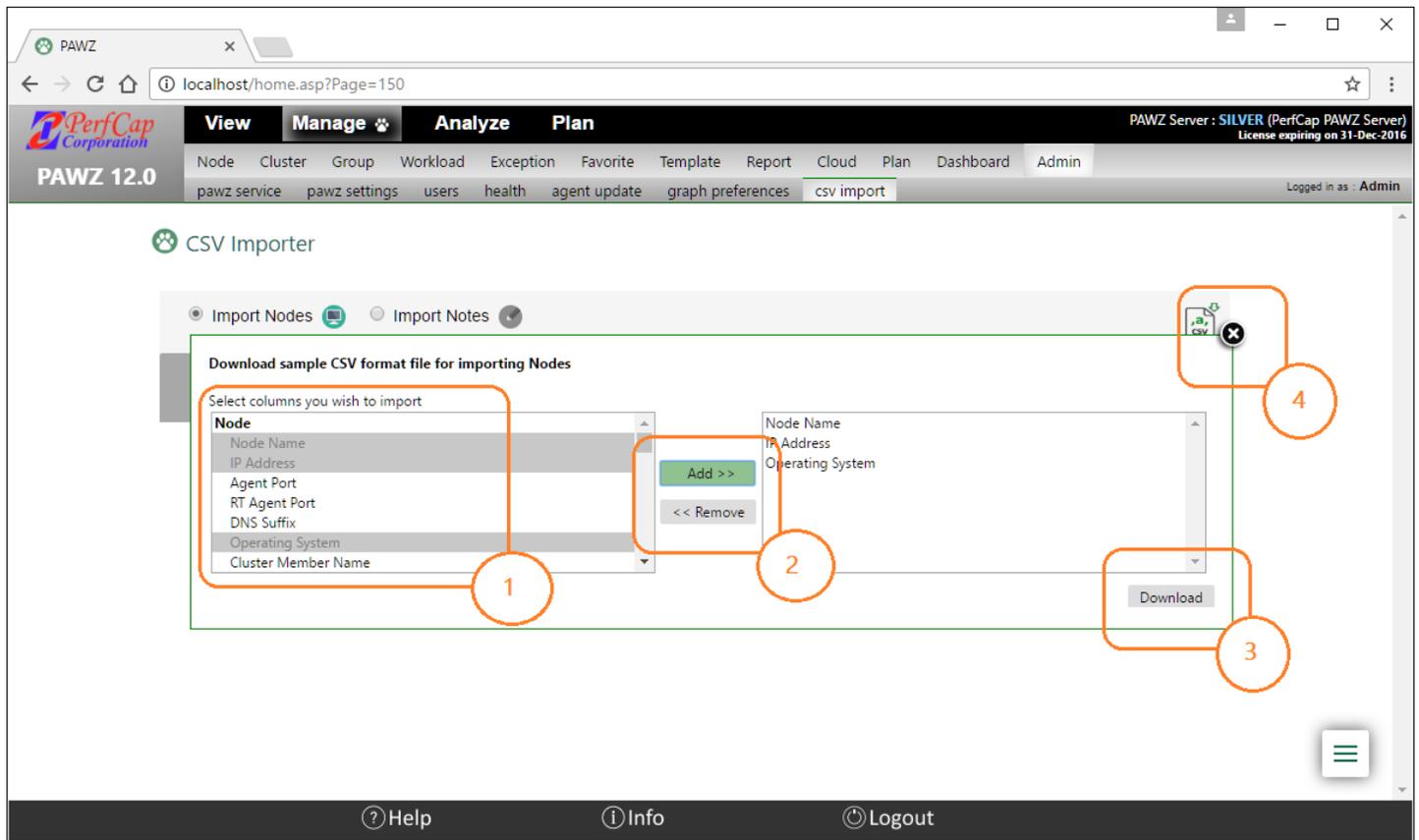
Choose what you would like to import, If you are planning to import new nodes, choose 'Import Nodes' or if you are choosing to import Notes, choose 'Import Notes'

After selecting your choice click on CSV Download link on the right



The CSV download link will give you options to download template with choosing type of import in case of Notes or selecting columns that you would like to include in your CSV file.

## Nodes CSV Template download

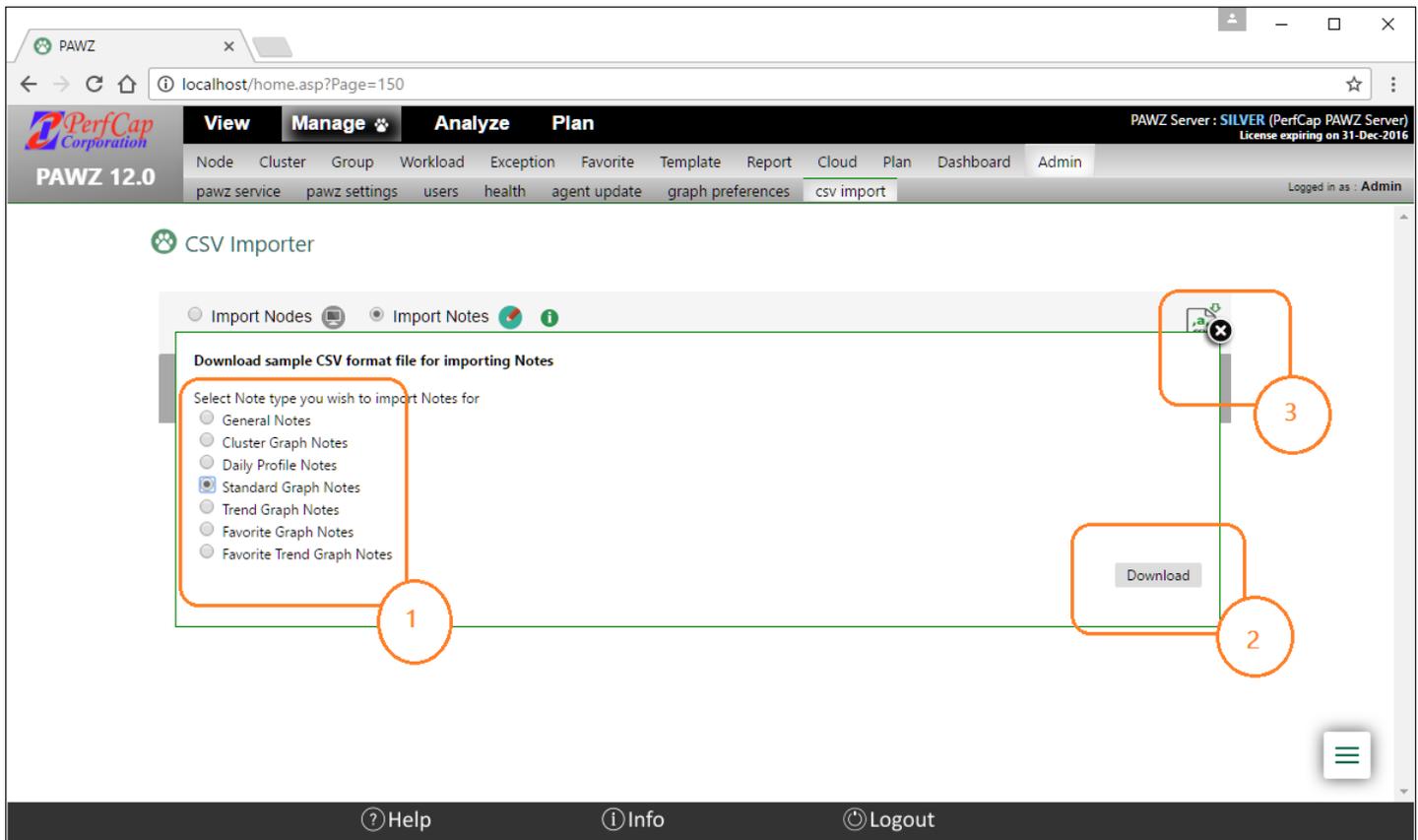


- Choose columns you would like to include in your CSV file
- Click Add to move selected columns to the right
- Click Download button
- Once file is downloaded, close this window

You can populate the downloaded CSV template, with your data and use CSV importer feature to import new nodes into PAWZ Server. Below is the downloaded CSV Template for above example.

	A	B	C	D
1	Node Name	IP Address	Operating System	
2				
3				
4				
5				
6				
7				
8				
9				

## Notes CSV Template download



- Select the type of notes you would like to download template for
- Click Download
- Close the window

### Sample downloaded Notes template

	A	B	C	D	E	F	G	H
1	Notes Type	Graph Date	Node Name	Metric	SubMetric	Notes	Import TimeStamp	
2	standard	9/20/2016	Node_001	CPU	Utilization	Standard Graph Notes	9/20/2016	
3								
4								
5								
6								

Notes CSV Template is downloaded with one row of sample data, where first column (Notes Type), is auto filled in with type of notes you are importing, and all other columns you should be filling with your own data in it. If you are importing multiple notes of same type at once, keep the first column (Notes Type) same for all rows.

For example:

	A	B	C	D	E	F	G
1	Notes Type	Graph Date	Node Name	Metric	SubMetric	Notes	Import TimeStamp
2	standard	9/20/2016	Node_001	CPU	Utilization	Standard Graph Notes	9/20/2016
3	standard	9/19/2016	Node_002	Memory	Utilization	Notes about Node_002	9/21/2016
4	standard	9/18/2016	Node_003	Memory	Utilization	Notes about Node_003	9/22/2016
5							
6							

## SMTP Settings Validate

A validate email button has been added to the Manage-Admin-PAWZ Settings Page. This allows for validation of the SMTP setup. Any errors will be displayed.

For email notifications from PAWZ Server you can setup SMTP settings on Manage-Admin-PAWZ Settings Page

The screenshot shows the PAWZ 12.0 Manage-Admin-PAWZ Settings Page. The 'EMAIL Settings' section is highlighted with an orange box. It contains the following fields and controls:

- Sender: support@perfcap.com
- User: support@perfcap.com
- SMTP Server: smtp.perfcap.com
- Password: [Redacted]
- SMTP Port: 25
- Validate button
- Notify for all failed downloads:
- Notify only after final retry download fails:

At the bottom of the page, there are buttons for Save, Cancel, Help, Info, and Logout.

Once all SMTP related settings are filled in and saved, click on 'Validate' and fill in test email address where test email will be sent.

PAWZ 12.0

PAWZ Server: SILVER (PerfCap PAWZ Server)  
License expiring on 31-Dec-2016

View Manage Analyze Plan

Node Cluster Group Workload Exception Favorite Template Report Cloud Plan Dashboard Admin

Logged in as: Admin

Audit Logs: 365 days Config Files: 5 days Graph Files: 7 days  
 Log Files: 2 days Perf Files: 5 days Planner Merg / Base Files: 2 days  
 Planner Proc Files: 5 days Raw Data Files: 7 days Report Files: 7 days  
 Use Risk Retention Period Risk Results: 20 days Trend: Forever

**Data Management**

Check Local Directory Max Download Scheduler Threads: 50 Max Heartbeat Threads: 50  
 Check DC Status, RTA Status  
 Automatically Retry Failed Downloads Interval: 60 minutes Start Time: 04 : 00 (HH:MM) End Time: 08 : 00 (HH:MM)

**Purge Database Settings**

Scheduled Start Time: 20 : 00 (HH:MM)  Enable Purge End Time  
 Purge Days:  Daily  Specific Days  
 Scheduled Purge On Max Load: 10 (download threadcount) Max number of days to purge: 5 days  
 Status: Finished Last Purge Date: 2016-09-10 20:19 [Start Now](#)

**Miscellaneous**

Generate Daily Email Reports at 18 : 00 (HH:MM) Detail Graph Server Port: 2105 Real Time Server Port: 2100  
 Generate Scheduled Processing Reports at 09 : 18 (HH:MM) RT Process Count Exception Sampling Interval: 1 Minutes

**EMAIL Settings**

Sender: support@perfcap.com SMTP Server: smtp.perfcap.com SMTP Port: 25  
 User: support@perfcap.com Password: \*\*\*\*\*  
 Notify for all failed downloads  Notify only after final retry download fails

Save Cancel Help Info Logout

Once you click send, and all email related settings are correct including test email address, the page will show status of successful send, or error message if it failed to send with error code.

PAWZ 12.0 PAWZ Server: SILVER (PerfCap PAWZ Server) License expiring on 31-Dec-2016

View Manage Analyze Plan

Node Cluster Group Workload Exception Favorite Template Report Cloud Plan Dashboard Admin

Logged in as: Admin

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 Purge Days:  Daily  Specific Days  
 Scheduled Purge On Max Load: 10 (download threadcount) Max number of days to purge: 5 days  
 Status: Finished Last Purge Date: 2016-09-10 20:19 [Start Now](#)

**Miscellaneous**

Generate Daily Email Reports at 18:00 (HH:MM) Detail Graph Server Port: 2105 Real Time Server Port: 2100  
 Generate Scheduled Processing Reports at 09:18 (HH:MM) RT Process Count Exception Sampling Interval: 1 Minutes

**EMAIL Settings**

Sender: support@perfcap.com SMTP Server: smtp.perfcap.com SMTP Port: 25  
 User: support@perfcap.com Password: \*\*\*\*\* nitin.kumar@perfcap.com [Send](#)   
 Notify for all failed downloads  Notify only after final retry download fails

Save Cancel Help Info Logout

PAWZ 12.0 PAWZ Server: SILVER (PerfCap PAWZ Server) License expiring on 31-Dec-2016

View Manage Analyze Plan

Node Cluster Group Workload Exception Favorite Template Report Cloud Plan Dashboard Admin

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Check Local Directory Max Download Scheduler Threads: 50 Max Heartbeat Threads: 50  
 Check DC Status, RTA Status  
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**Purge Database Settings**

Scheduled Start Time: 20:00 (HH:MM)  Enable Purge End Time  
 Purge Days:  Daily  Specific Days  
 Scheduled Purge On Max Load: 10 (download threadcount) Max number of days to purge: 5 days  
 Status: Finished Last Purge Date: 2016-09-10 20:19 [Start Now](#)

**Miscellaneous**

Generate Daily Email Reports at 18:00 (HH:MM) Detail Graph Server Port: 2105 Real Time Server Port: 2100  
 Generate Scheduled Processing Reports at 09:18 (HH:MM) RT Process Count Exception Sampling Interval: 1 Minutes

**EMAIL Settings**

Sender: support@perfcap.com SMTP Server: smtp.perfcap.com SMTP Port: 25  
 User: support@perfcap.com Password: \*\*\*\*\* nitin.kumar@perfcap.com [Send](#)   
 Notify for all failed downloads  Notify only after final retry download fails

Save Cancel Help Info Logout

Test email received looks like



## Admin account email

Under **Manage – admin – Users**, email address can be defined for 'Admin' account, Notification for data download failure will be sent on this email if defined and 'Data Download Failure Report' is turned on this page. This can be a comma separated list of email addresses.

PAWZ 12.0  
PAWZ Server : SILVER (PerfCap PAWZ Server)  
License expiring on 31-Dec-2016  
Logged in as : Admin

### Manage Users

Account	Current Groups	Current Clusters	Current Nodes
Account Name: admin	Group-001	lincls	000292601952
Password: .....	Group-002	silve_cls	001619403311
Confirm Password: .....	import	wincls	402139532121
Email Address: nitin.kumar@perfcap.com	test		882180912002
	z		aaemc_001
			aix64
			copper
			ecapdev
			emc
			emc_002
			emc_003
			gold
			itvms
			jaguar
			license

Data Download Failure Report

+ New Save Cancel Delete Help Info Logout

## PAWZ Server Reports/Notifications

## Email Alert Notifications

PAWZ Server has changed all email notifications to HTML format. This allows for better formatting. The emails have the Modern theme. The emails will also adjust the display for mobile devices and other small screens.

To specify these notification navigate to **Manage-Node-Policies** page, and for the node you wish to specify notifications, click on 'Specify Notification' section under **Advanced Data Management** section.

The screenshot shows the PAWZ 12.0 interface. The top navigation bar includes 'View', 'Manage', 'Analyze', and 'Plan'. The 'Manage' section is active, showing 'Node Policies'. The 'Node' section displays details for a node named 'silver', including IP Address (127.0.0.1), Agent Port (1661), and RT Agent Port (2101). The 'Data Collection' section shows settings for Dump Interval (60 seconds), Peak Interval (5 seconds), and Retain data for (12 days). The 'Real Time Data Collection' section shows Update frequency (2 seconds) and Status (Real Time UP). The 'Advanced Data Management' section shows Peak hours (08:00 to 17:00), Top Process Count (10), Top Port Count (10), and Top File System Count (10). The 'Email Notification' field is highlighted with a red box, and the 'Specify Notification' button is visible.

After clicking this, provide email address you wish to receive email notifications on for different categories. This can be a comma separated list of email addresses.

Sample Daily Exceptions Notification:

PAWZ daily performance exceptions: itvms

**Node:** itvms

**Ip:** 192.168.1.180

**Date:** 07-Sep-2016 00:00 - 23:59

Name	Metric	Instance	Condition	Threshold	Ave	Min	Max	Date	Minutes
CPU-OpenVMS	Total Processor Time		>=	85.00	99.96	95.94	100.00	07-Sep-2016 00:01	 138
CPU-OpenVMS	Total Processor Time		>=	85.00	99.68	95.64	100.00	07-Sep-2016 02:20	 21

Sample Real Time Exceptions Notifications:

## PAWZ Real-Time Performance Alert

**Node:** itvms

**Ip:** 192.168.1.180

Name	Metric	Condition	Threshold	Ave	Min	Max	Date	Minutes
CPU_BY_AVE_10	CPU->Average Utilization	>=	20.00	59.67	50.50	67.59	17-Sep-2016 08:45:26	 5

## Sample Data Collector Down Notification:

PAWZ Data collector DOWN, build, 19-Sep-2016 21:38

Node	IP	OS	Time	Restarts	Status
build	192.168.1.205	Windows	19-Sep-2016 21:38	0	 Data Collector down

## Sample Data Not Downloaded Notification:

PAWZ data processing failure: eniac

**Node:** eniac

**Ip:** 192.168.1.188

**Date:** 20-Sep-2016 01:52

Name	IP	OS	Time	Status
eniatic	192.168.1.188	OpenVMS	20-Sep-2016 01:52	 Connection Timeout

## Scheduled Data Download Failure Report

PAWZ Server has added a **Scheduled Failure** email report. This report can be sent daily after scheduled processing has completed to give a report of which nodes failed to process data from the start of the previous day. This report is generated at 7 am. This time is customizable.

This report can be enabled for each user, so that they can see a failure report on the subset of nodes to which they have access.

On **Manage- Admin – Users** page, a new section is added called 'Email Reports'

Manage Users

<b>Account</b> Account Name: <input type="text" value="nitin"/> Password: <input type="password" value="*****"/> Confirm Password: <input type="password" value="*****"/> Email Address: <input type="text" value="nitin.kumar@perfcap.com"/>		<b>Current &amp; Available Groups</b> Available Groups: Group-002, import, test, z Current Groups: Group-001	
<b>Privileges - Add/Modify/Remove</b> <input type="checkbox"/> All Privileges <input checked="" type="checkbox"/> Clusters <input checked="" type="checkbox"/> Exceptions <input checked="" type="checkbox"/> Favorites <input checked="" type="checkbox"/> Groups <input checked="" type="checkbox"/> Nodes <input checked="" type="checkbox"/> Plan <input checked="" type="checkbox"/> Templates <input checked="" type="checkbox"/> Users <input checked="" type="checkbox"/> Workloads <input type="checkbox"/> Manage Pawz Admin <input checked="" type="checkbox"/> Agent Update		<b>Current &amp; Available Clusters</b> Available Clusters: lincls, silve_cls Current Clusters: wincls	
<b>Demand Data Downloads</b> <input checked="" type="checkbox"/> Node <input type="checkbox"/> Group <input checked="" type="checkbox"/> Cluster <input checked="" type="checkbox"/> Plan		<b>Current &amp; Available Nodes</b> Available Nodes: aix64, ecapdev, gold, itvms, sunx64g, sunx64s0, sunx64s2, tardis, vfindit11, vpawz112 Current Nodes: 000292601952, 001619403311, 402139532121, 882180912002, aaemc_001, copper, emc, emc_002, emc_003, jaguar, license, linux32dev, ol64, perfcapdns, silver	
<b>Access</b> <input checked="" type="checkbox"/> Real Time <input checked="" type="checkbox"/> Detail Graph		<b>Current &amp; Available Report Groups</b> Available Report Groups: Group-001 Current Report Groups:	
<b>Daily Report Generation</b> <input checked="" type="checkbox"/> Enable Daily Report Email Notification <input checked="" type="checkbox"/> All Reports <input type="radio"/> Full Day <input type="radio"/> Peak Hours <input type="radio"/> Average <input type="radio"/> Max			
<b>Email Reports</b> <input checked="" type="checkbox"/> Data Download Failure Report			

The report generation time can be customized from **Manage-Admin-PAWZ** Settings page

**PAWZ 12.0** Manage-Admin-PAWZ Settings page

PAWZ Server: SILVER (PerfCap PAWZ Server) License expiring on 31-Dec-2016

View Manage Analyze Plan

Node Cluster Group Workload Exception Favorite Template Report Cloud Plan Dashboard Admin

PAWZ Server Alias: PerfCap PAWZ Server

**Detailed Log Settings**

- Alert Logging
- Cloud Logging
- Favorite Logging
- Perf File Logging
- Risk Exception Logging
- Application Logging
- Cluster Logging
- Graph Export Logging
- Planner Detailed Logging
- SMTP Mailer Logging
- Audit Logging
- Daily Report Logging
- Heartbeat Logging
- Purge Detailed Logging
- Summary Logging

**Retention Periods**

Audit Logs: 365 days Config Files: 5 days Graph Files: 7 days  
 Log Files: 2 days Perf Files: 5 days Planner Merg / Base Files: 2 days  
 Planner Proc Files: 5 days Raw Data Files: 7 days Report Files: 7 days  
 Use Risk Retention Period Risk Results: 20 days Trend: Forever

**Data Management**

Check Local Directory Max Download Scheduler Threads: 50 Max Heartbeat Threads: 50  
 Check DC Status, RTA Status  
 Automatically Retry Failed Downloads Interval: 60 minutes Start Time: 04:00 (HH:MM) End Time: 08:00 (HH:MM)

**Purge Database Settings**

Scheduled Start Time: 20:00 (HH:MM)  Enable Purge End Time  
 Purge Days:  Daily  Specific Days  
 Scheduled Purge On Max Load: 10 (download threadcount) Max number of days to purge: 5 days  
 Status: Finished Last Purge Date: 2016-09-10 20:19 [Start Now](#)

**Miscellaneous**

Generate Daily Email Reports at 18:00 (HH:MM) Detail Graph Server Port: 2105 Real Time Server Port: 2100  
 Generate Scheduled Processing Reports at 09:18 (HH:MM) RT Process Count Exception Sampling Interval: 1 Minutes

**EMAIL Settings**

Sender: support@perfcap.com SMTP Server: smtp.perfcap.com SMTP Port: 25  
 User: support@perfcap.com Password: \*\*\*\*\* [Validate](#)  
 Notify for all failed downloads  Notify only after final retry download fails

Save Cancel Help Info Logout

Sample Scheduled Failure Report:

PAWZ scheduled processing: 4 Failed

**Server:** VCOREAP1 (STRESS)

**Failures:** 4 of 12

**Date:** 18-Sep-2016 00:00:00 - 19-Sep-2016 07:16:03

**User:** paul

Name	IP	OS	Time	Status
amdxd	192.168.1.148	Linux	19-Sep-2016 01:22	Connection Timeout
eniac	192.168.1.188	OpenVMS	19-Sep-2016 01:51	Connection Timeout
esxi01	192.168.1.191	VMware ESX	19-Sep-2016 02:37	Invalid data file
vpawz112	192.168.1.168	Windows	19-Sep-2016 01:49	Datafile not found

Sample Scheduled Failure Report (Mobile Formatted):

This Report is auto formatted for desktop and mobile interface.

**PAWZ scheduled processing: 4 Failed**

**Server:** VCOREAP1 (STRESS)

**Failures:** 4 of 13

**Date:** 19-Sep-2016 00:00:00 - 20-Sep-2016

07:15:41

**User:** paul

Name	amdx	1
IP	192.168.1.148	
OS	Linux	
Time	20-Sep-2016 01:22	
Status	 Connection Timeout	
Name	eniac	2
IP	192.168.1.188	
OS	OpenVMS	
Time	19-Sep-2016 01:51	
Status	 Connection Timeout	
Name	esxi01	3
IP	192.168.1.191	
OS	VMware ESX	



## PAWZ Server Logging

Logging in general has been reduced in PAWZ Server. Standard PAWZ server logging should log all errors but have minimal informational logging.

The *Detailed Logging* setting should also log less information, but will still log a considerable amount. To make trouble shooting specific problems easier, PAWZ server has added Per Node detailed logging. So detailed logging can be enabled for targeted system(s).

These settings can be enable/disable on the Manage-Node-Policies page

The screenshot displays the PAWZ Server interface for managing node policies. The page is titled "Node Policies" and shows configuration for a node named "silver". The interface is divided into several sections:

- Node Information:** Fields for Name (silver), IP Address (127.0.0.1), DNS Suffix, OS (Windows), Cluster Member (silve\_cls), Summary Group Member (Group-001), System Time Zone (Eastern Standard Time), and Description.
- Templates:** A table with columns for Name, Value, and Action. Rows include Node (peak\_5), Workload (default), Plan (default), Risk (PAWZ\_default), RTEvent (RTEvent\_Test), Holiday (holidayTemplate), and Favorite (none).
- Data Management:** Checkboxes for "Enable auto download", "Generate trend data", and "Download analysis data only". Fields for "Standard Download time" (01:00), "Retain data in PAWZ database for" (365 days), and "Retain favorite data in PAWZ database for" (60 days).
- Data Collection:** Fields for "Dump Interval" (60 seconds), "Peak Interval" (5 seconds), "Retain data for" (12 days), "Restart Attempts" (0), "Data Collector Version" (V12.0-009:Sep 14 2016), "PAWZ Agent Version" (V12.0-009:Sep 14 2016), "Status" (Data Collector UP), and "Status Check Frequency" (1 minutes).
- Real Time Data Collection:** Fields for "Update frequency" (2 seconds), "Status" (Real Time UP), and radio buttons for "Collect All Process Data" (selected) and "Collect No Process Data".
- Advanced Data Management:** Fields for "Peak hours" (08:00 to 17:00), "Top Process Count" (10), "Top Port Count" (10), "Spec Rating/Weight" (16.20), and "Email Notification" (Specify Notification).

At the bottom of the configuration area, there are two checkboxes: "Check Local Data Directory" and "Enable Detailed Logging". These checkboxes are highlighted with an orange box in the screenshot. The bottom of the page features a navigation bar with buttons for New, Save, Delete, Cancel, Help, Info, and Logout.

## Customizable RTA Port

The TCP Port for Real Time Agent can be customized Per Node. This setting is available on Manage-Node-Policies Pages

The screenshot displays the PAWZ 12.0 web interface for configuring Node Policies. The browser address bar shows 'localhost/home.asp?Page=6'. The interface includes a navigation menu with 'View', 'Manage', 'Analyze', and 'Plan' tabs. The 'Node' tab is active, showing configuration for a node named 'silver'. The 'Agent Port' is set to 1661 and the 'RT Agent Port' is set to 2101, both highlighted with an orange box. Other configuration sections include 'Data Collection' (Dump Interval: 60 seconds, Peak Interval: 5 seconds), 'Real Time Data Collection' (Update frequency: 2 seconds), and 'Advanced Data Management' (Peak hours: 08:00 to 17:00). The bottom of the interface features a toolbar with buttons for New, Save, Delete, Cancel, Help, Info, and Logout.

## Health Summary – OS distribution graph to filter nodes by OS

The PAWZ Health Summary pie chart graph for Operating System distribution will now list nodes by clicked operating system when the date is **'Current'**.

PAWZ 12.0 | PerfCap Corporation | PAWZ Server: ECAPDEV (ECAPDEV - (12.0 UPGRADE)) | License expiring on 07-Apr-2017

View Manage Analyze Plan | Dashboard Health Node Cluster Workload Master Exception Downloads Log/Files | summary node storage other pawz usage | Logged in as: Admin

PAWZServer: Running | Real Time: Running | Detail Graph: Running | PAWZ Purge: Running | PAWZ Dashboard: Running | Total Agents: 80 | Licensed Agents: 9000

Date: Current

### Download Status

20-Sep-2016 12:02

- Current
- 1 Day Old
- 2 Days Old
- > 2 Days Old
- Never

Total Nodes : 80

### Node Os Distribution

20-Sep-2016 12:02

- Sun Solaris
- Sun Solaris x86
- Windows
- Linux
- IBM AIX
- ESX
- OpenVMS
- HP UX
- EMC
- EVA

Windows : 31 (38.75%)

### Database Storage Health

20-Sep-2016 12:02

- Used
- Free

Total : 18.54 GB

### Purge Status

Last Purge Date 19-Sep-2016

- Current
- Not Current

Set As Home | Help | Info | Logout

If selected date is 'Current' then it would show a popup with list of nodes

PAWZ 12.0 | PerfCap Corporation | PAWZ Server: ECAPDEV (ECAPDEV - (12.0 UPGRADE)) | License expiring on 07-Apr-2017

View Manage Analyze Plan | Dashboard Health Node Cluster Workload Master Exception Downloads Log/Files | summary node storage other pawz usage | Logged in as: Admin

PAWZServer: Running | Real Time: Running | Detail Graph: Running | PAWZ Purge: Running | PAWZ Dashboard: Running | Total Agents: 80 | Licensed Agents: 9000

Date: Current

#### Download Status

20-Sep-2016 12:02

- Current
- 1 Day Old
- 2 Days Old
- > 2 Days Old
- Never

Total Nodes : 80

#### Database Storage Health

20-Sep-2016 12:02

- Used
- Free

Total : 18.54 GB

#### Node Os Distribution

20-Sep-2016 12:02

- Sun Solaris
- Sun Solaris x86
- Windows
- Linux
- IBM AIX
- ESX

Windows : 31 (38.75%)

#### Purge Status

Total Nodes

Standard Risk Daily Profile Planner

Legend: Current (green), Not Current (orange)

As of 20-Sep-2016, 31 Windows

- build
- copper
- e01esxx64
- e01evax64
- e01winemc
- e01winesx01
- e02\_db\_103
- e02\_pawz\_103
- e02\_ss\_103
- ...

Node-Information

☰

Set As Home | Help | Info | Logout

If the date is NOT set to 'Current', Clicking the pie chart will redirect to the *View-Node-Information* page that is filtered operating system.

PAWZ Server: ECAPDEV (ECAPDEV - (12.0 UPGRADE)) License expiring on 07-Apr-2017

PAWZ 12.0

View Manage Analyze Plan

Dashboard Health Node Cluster Workload Master Exception Downloads Log/Files

information configuration daily exceptions real time exceptions

PAWZServer: Running Real Time: Running Detail Graph: Running PAWZ Purge: Running PAWZ Dashboard: Running Total Agents: 80 Licensed Agents: 9000

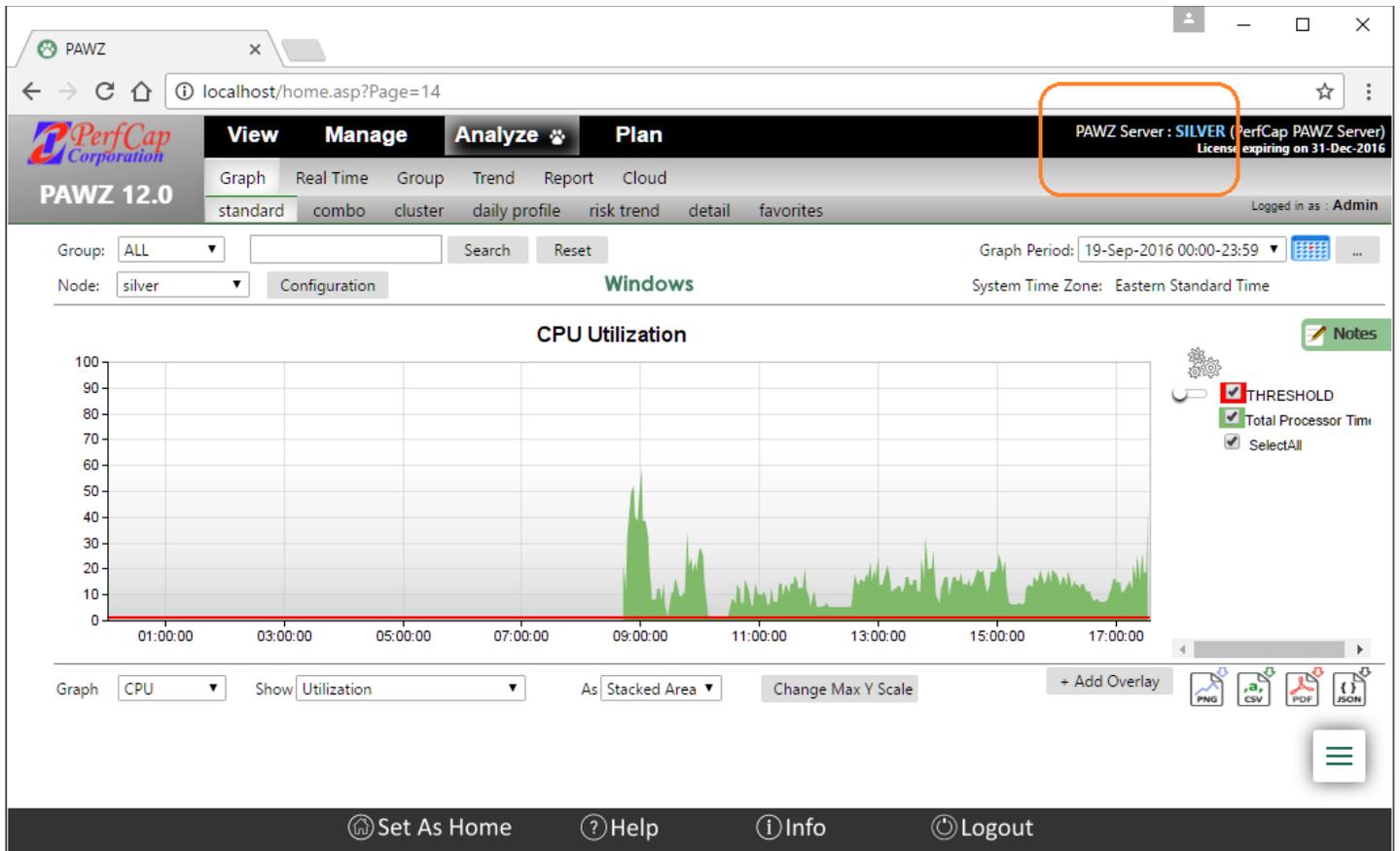
Group: ALL Search By: Operating System Windows Search Reset Results 25 of 31 Page: 1 of 2 Results/Page 25

Node	DC Status	IP Address	Latest Data	Operating System	RTA Status	Agent Version	Collector Version	Exceptions	License Expiration	Notes
build	up	192.168.1.205	18-Sep-2016 (00:00 - 23:59)	Windows	up	V12.0-009:Sep 14 2016	V12.0-009:Sep 14 2016		31-Oct-2016	
copper	up	192.168.1.101	19-Sep-2016 (00:00 - 23:59)	Windows	up	V12.0-009:Sep 14 2016	V12.0-009:Sep 14 2016		31-Oct-2016	
e01esxx64	up	192.168.1.208	19-Sep-2016 (00:00 - 23:59)	Windows	up	V11.1-056:Jan 6 2015	V11.1-056:Jan 6 2015		31-Oct-2016	
e01evax64	up	192.168.1.113	19-Sep-2016 (00:00 - 23:59)	Windows	up	V12.0-009:Sep 14 2016	V12.0-009:Sep 14 2016		31-Oct-2016	
e01winemc	up	192.168.1.209	19-Sep-2016 (00:00 - 23:59)	Windows	up	V12.0-009:Sep 14 2016	V12.0-009:Sep 14 2016		31-Oct-2016	
e01winesx01	up	192.168.1.212	19-Sep-2016 (00:00 - 23:59)	Windows	up	V11.1A-026:Feb 23 2016	V11.1A-026:Feb 23 2016		31-Oct-2016	
e02_db_103	up	192.168.1.143	19-Sep-2016 (00:00 - 23:59)	Windows	up	V11.1-056:Jan 6 2015	V11.1-056:Jan 6 2015		31-Oct-2016	
e02_pawz_103	up	192.168.1.141	19-Sep-2016 (00:00 - 23:59)	Windows	up	V11.1-056:Jan 6 2015	V11.1-056:Jan 6 2015		31-Oct-2016	
e02_ss_103	up	192.168.1.142	19-Sep-2016 (00:00 - 23:59)	Windows	up	V12.0-009:Sep 14 2016	V12.0-009:Sep 14 2016		31-Oct-2016	
e02_uk_cli	up	192.168.1.166	19-Sep-2016 (00:00 - 23:59)	Windows	up	V10.2-003:Dec 16 2013	V10.2-003:Dec 16 2013		28-Jan-2017	
e02_uk_db	up	192.168.1.210	19-Sep-2016 (00:00 - 23:59)	Windows	up	V11.1-056:Jan 6 2015	V11.1-056:Jan 6 2015		31-Oct-2016	
ecapdev	up	192.168.1.167	19-Sep-2016 (00:00 - 23:59)	Windows	up	V12.0-009:Sep 14 2016	V12.0-009:Sep 14 2016		30-Sep-2017	
h01_db_103	up	192.168.1.146	19-Sep-2016 (00:00 - 23:59)	Windows	up	V11.1-056:Jan 6 2015	V11.1-056:Jan 6 2015		31-Oct-2016	
h01_pawz_103	up	192.168.1.144	19-Sep-2016 (00:00 - 23:59)	Windows	up	V11.1-056:Jan 6 2015	V11.1-056:Jan 6 2015		31-Oct-2016	
jaguar	up	192.168.1.163	19-Sep-2016 (00:00 - 23:59)	Windows	up	T11.2-009:Jul 1 2016	T11.2-009:Jul 1 2016		31-Oct-2016	
license	up	192.168.1.116	19-Sep-2016 (00:00 - 23:59)	Windows	up	V11.1-056:Jan 6 2015	V11.1-056:Jan 6 2015		31-Oct-2016	
pawzesx	timeout	192.168.1.242		Windows	unknown	V11.1A-026:Feb 23 2016	V11.1A-026:Feb 23 2016		31-Oct-2016	
silver	up	192.168.1.232	14-Sep-2016 (00:00 - 23:59)	Windows	up	V12.0-009:Sep 14 2016	V12.0-009:Sep 14 2016		31-Oct-2016	
tardis	timeout	192.168.200.2	16-Sep-2016 (00:00 - 23:59)	Windows	unknown	V12.0-008:Sep 8 2016	V12.0-008:Sep 8 2016		31-Oct-2016	
Toshiba	timeout	192.168.1.233	03-Aug-2016 (00:00 - 23:59)	Windows	unknown	V10.2-003:Dec 16 2013	V10.2-003:Dec 16 2013		15-Dec-2017	
v01pawz2014	timeout	192.168.1.154	08-Sep-2016 (00:00 - 23:59)	Windows	unknown	V12.0-008:Sep 8 2016	V12.0-008:Sep 8 2016		30-Sep-2017	
v01sqi2014	timeout	192.168.1.153	08-Sep-2016 (00:00 - 23:59)	Windows	unknown	V12.0-008:Sep 8 2016	V12.0-008:Sep 8 2016		30-Sep-2017	
vable	up	192.168.0.74	19-Sep-2016 (00:00 - 23:59)	Windows	up	V12.0-009:Sep 14 2016	V12.0-009:Sep 14 2016		31-Oct-2016	
vcoreap1	up	192.168.0.191	19-Sep-2016 (00:00 - 23:59)	Windows	up	V12.0-006:Sep 1 2016	V12.0-006:Sep 1 2016		31-Oct-2016	
vcoredb64	up	192.168.0.193	19-Sep-2016 (00:00 - 23:59)	Windows	up	V12.0-009:Sep 14 2016	V12.0-009:Sep 14 2016		31-Oct-2016	

Customize Set As Home Help Info Logout

## PAWZ Service status heading

The PAWZ server name, in the heading of every page, also indicates the PAWZ Server status by color. The name is displayed in **blue** when pawzserver system service is running and in **red** when stopped. Clicking on the PAWZ server hostname, will redirect page to Manage-Admin- Pawz Service page.



## PAWZ Restful Interface

### Restful Feature

Please look for RESTful document for PAWZ Server V12.0 document on the PerfCap website.

## Thank You

If you have any questions please contact us

E-Mail: [Support@perfcap.com](mailto:Support@perfcap.com)

Phone: +1 603-594-0222