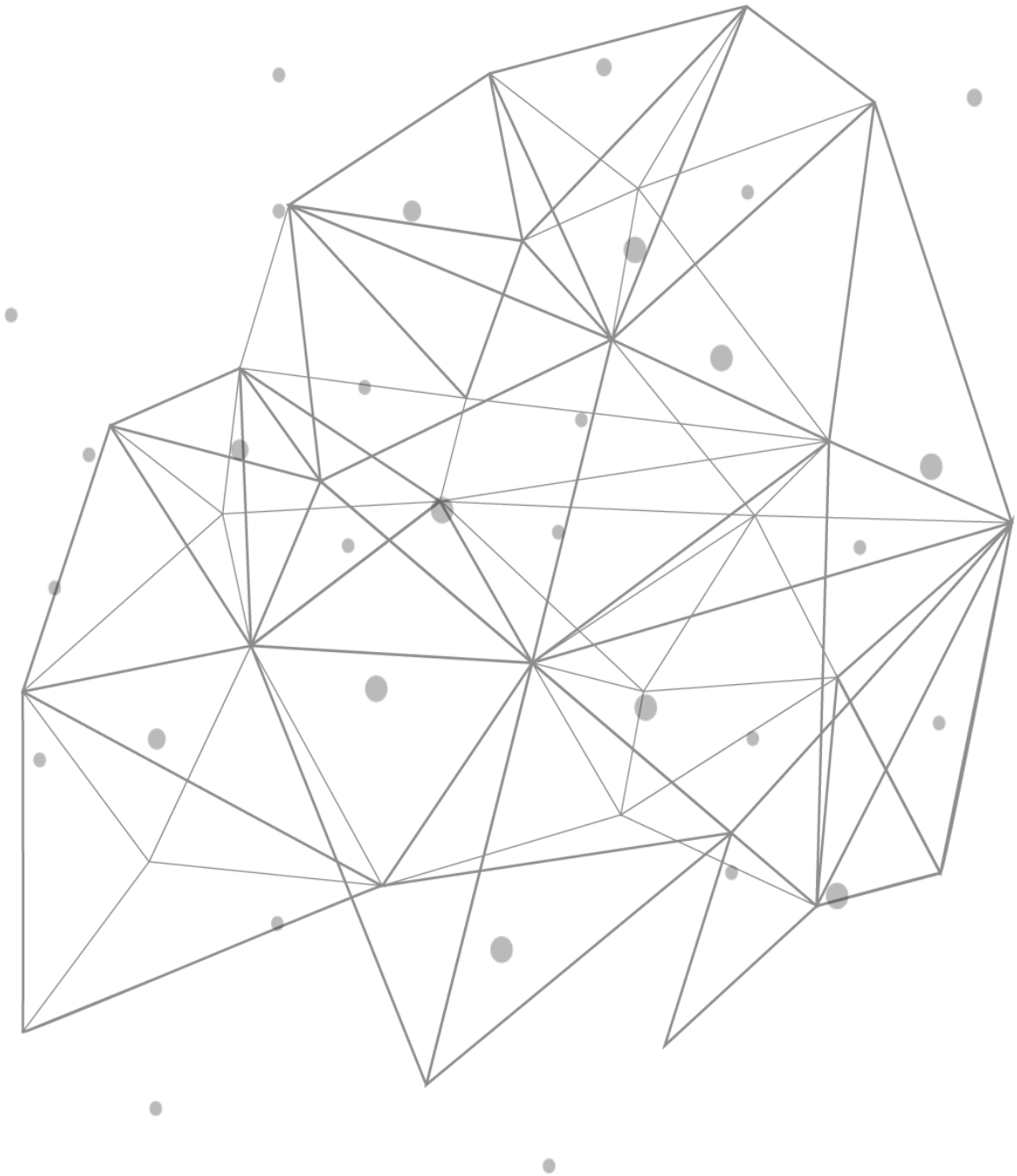
Custom Dashboard



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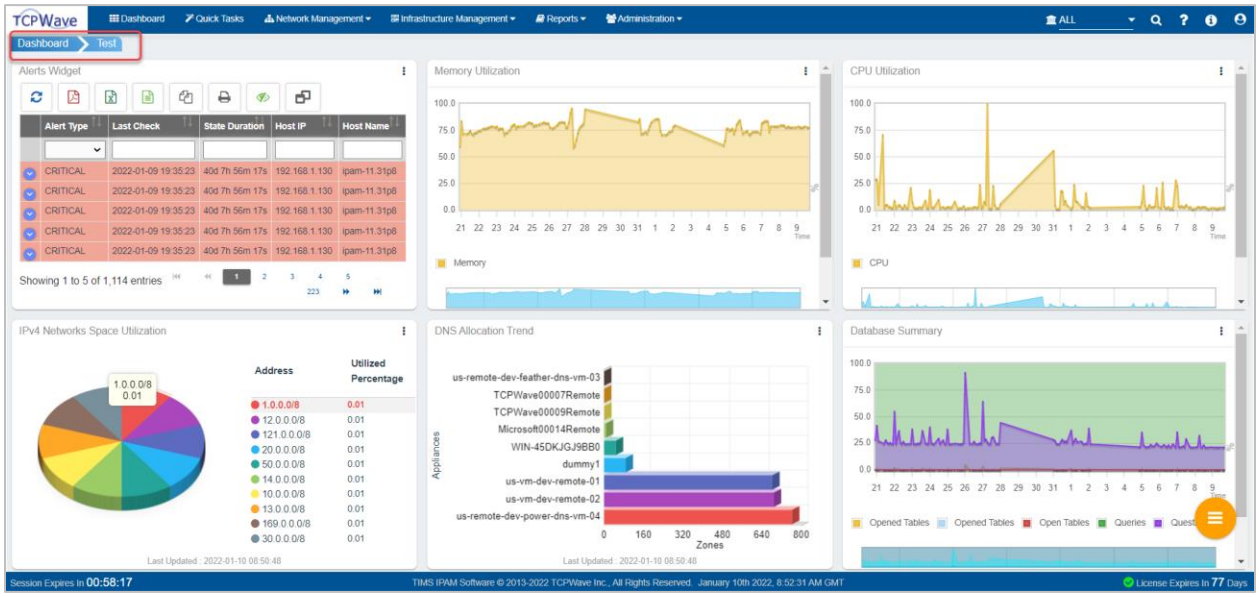
Introduction

Dashboards are a way to envisage the most crucial information at a glance. Every application comes with a pre-defined dashboard. While the pre-defined dashboard may suffice, the actual usefulness of dashboards lies in the ability to create and customize it. TCPWave offers two dashboards; one is “Pre-defined Dashboard,” and the other is “Custom Dashboard.” This whitepaper provides insights into the Custom Dashboard.

TCPWave’s Custom Dashboard

The capability to visualize data is highly significant in today’s technology-driven business landscape. Therefore, the TCPWave’s Custom Dashboard enables you to analyze a set of comprehensive data from across the entire application in a single pane of glass on the home screen. It offers wide-ranging capabilities of visualizing different statistics, alerts, graphical summary of reports organized in various customized widgets. The displayed statistics include network, subnet, object, zone, resource record details, and other measurable information. All the quantifiable information is displayed in various formats such as graphs, pie, histograms, etc. You can manage the displayed data, which improves the usability experience tailored to your enterprise requirements.



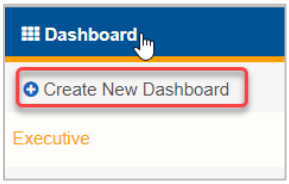
Advantages of Custom Dashboard

1. Each network administrator has the privilege to create multiple dashboards for various purposes.
2. Custom Dashboards remain editable, whereas the system restricts you from editing the pre-defined dashboard.
3. Irrespective of the roles, the system allows the network administrator to create a customized dashboard to view the application statistics with zero blind spots. It helps to interpret and act upon data quickly.
4. You can build your custom widgets based on the widget category to meet your needs.
5. Once you’ve created your widgets, you can drag to resize or rearrange them in this visual interface.

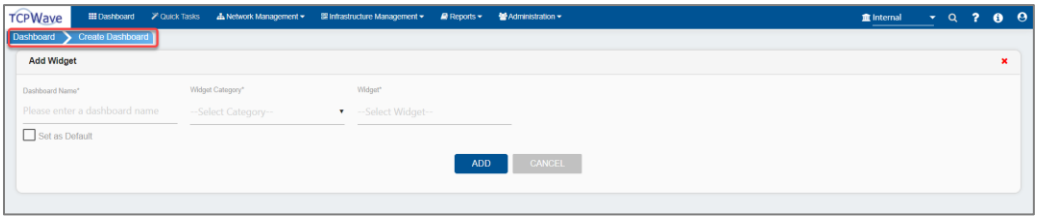
Create Custom Dashboard

To create a custom dashboard:

1. Hover on Dashboard. The system displays the pop-up as shown:



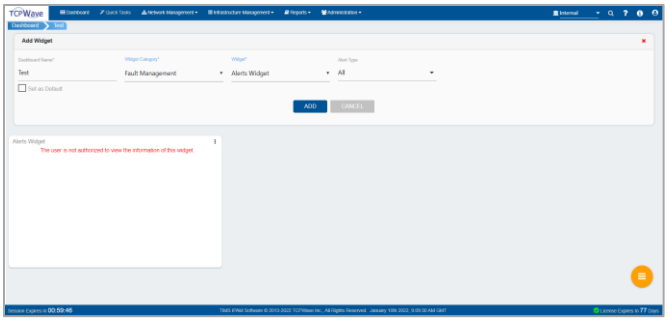
2. Click Create New Dashboard. The system displays Create Dashboard page, which has an Add Widget form as shown:



Add Widget

To add a widget, complete the following fields:

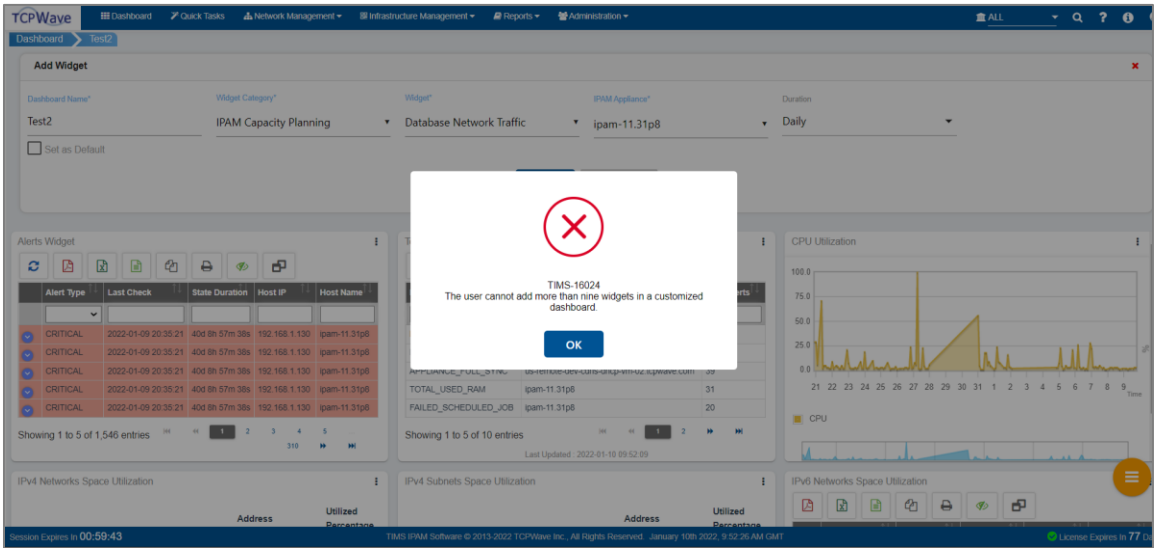
1. **Dashboard Name**: Enter a valid name for the dashboard. Example: Test
2. **Widget Category**: Select any of the following categories based on the requirements.
    - Executive
    - Compliance Management
    - Fault Management
    - IPAM Capacity Planning
    - Network Capacity Planning
    - DHCP Capacity Planning
    - DNS Capacity Planning
    - Threat Intelligence
    - T-Message Statistics
3. **Widget**: The system displays the widgets accordingly based on the selected widget category. For the list of widgets, refer appendix.
4. Click **ADD**. The system displays the added widget in the customized dashboard as shown:
   You can add a widget based on the permissions assigned to the role. If you are adding a widget for which the permissions are denied, then the system displays a validation message a shown:



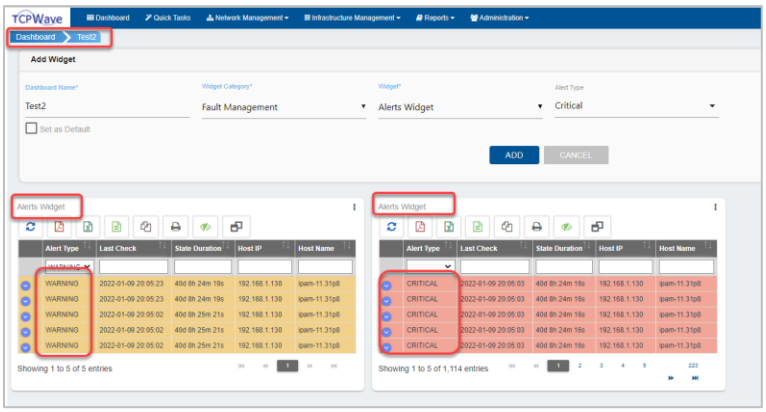
5. To cancel, click cancel and the system navigates to the default dashboard.

Note:

The system restricts you from adding more than nine widgets to the customized dashboard. The system displays a validation if more than nine widgets are added.



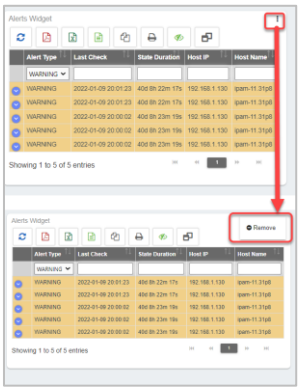
The system allows you to add the same widget with various input parameters as shown. The following figure illustrates that the same alert widget was added for the alert type “Critical” and “Warning.”



Remove Widget

To remove a widget:

1. Select the existing customized dashboard. The system navigates you to the dashboard page.
2. Select the kebab menu as shown:

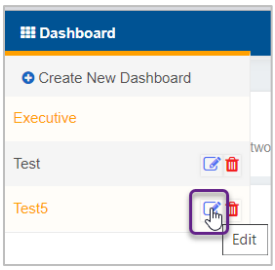


3. Click Remove. The system removes the widget from the customized dashboard.

Edit Custom Dashboard

To edit the existing custom dashboard:

1. Hover on Dashboard. The system displays the pop-up with the default dashboard name and existing customized dashboard names as shown:



2. Click the edit icon. The system navigates you to the customized dashboard details page. It allows you to customize the widgets based on the widget category.

Conclusion

In the era of big data, where masses of digital data surround everyone, TCPWave's Custom Dashboard helps enterprises condense everything into an interactive and customizable format to enhance operational visibility. For a quick demo, contact the TCPWave Sales Team.

Appendix

On selecting the widget category from the drop-down, the system displays the widgets accordingly as shown:

Widget Category	Widgets
Executive	• DHCP IP Allocation Trend • DNS Allocation Trend • Health Index Score • Object Allocation • Object Types • Total Objects • User Sessions • Active Sessions • Zone Distribution • IPAM Counters
Compliance Management	• Compliant DHCP Policies • Compliant DNS Policies • Compliant IPAM Policies
Fault Management	• Alerts Widget • Top Alert Producers
IPAM Capacity Planning	• CPU Utilization • Database Connections • Database Network Traffic • Database Row Operations • Database Summary • Database Table Locks • Database Threads • Disk Utilization • Memory Utilization • NTP Statistics • Runtime Heap Usage
Network Capacity Planning	• IPv4 Networks Space Utilization • IPv4 Subnets Space Utilization • IPv6 Networks Space Utilization • IPv6 Subnets Space Utilization
DHCP Capacity Planning	• DHCP CPU Utilization • DHCP Cumulative Chart • DHCP Query Statistics • DHCP Response Statistics • DHCP Disk Utilization

Widget Category	Widgets
	• DHCP Heartbeat Statistics • DHCP ICMP Statistics • DHCP Memory Utilization • DHCP NTP Statistics • DHCP Swap Memory • DHCP Top10 Least Used Scopes • DHCP Top10 Most Used Scopes
DNS Capacity Planning	• DNS Cache Hit Ratio • DNS CPU Utilization • DNS Disk Utilization • DNS Authoritative Cumulative Chart • DNS Cache Cumulative Chart • DNS Proxy Cumulative Chart • DNS Query Statistics • DNS Response Statistics • DNS Heartbeat Statistics • DNS ICMP Statistics • DNS Memory Utilization • DNS NTP Statistics • DNS Swap Memory • DNS Toptalkers
Threat Intelligence	• DNS Large Queries • DNS Large Responses • DNS NXDOMAIN Query Responses • DNS Traffic Anomaly • DNS Unique Subdomain Count • Top 10 Anomalous Queries • Anomaly Alerts • Intrusion Alerts
T-Message Statistics	• Active Directory Updates Channel • Alarms and Statistics Channel • DDNS Leases Channel • DHCP Configuration Channel • DHCP Updates Channel • DNS Configuration Channel • HA Configuration Channel • HA Delegation Channel • Health Check Channel • Remote Commands Channel