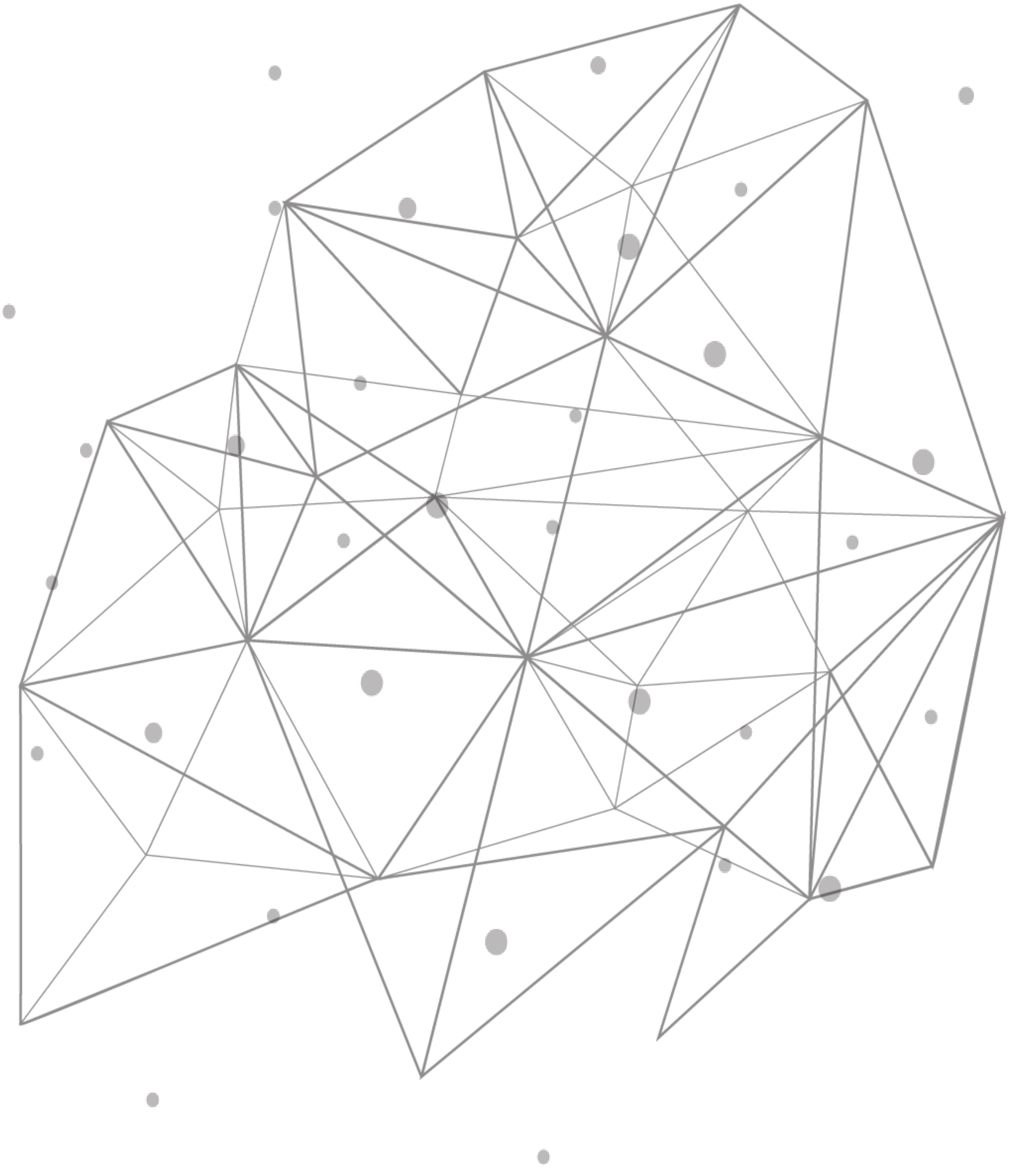
TCPWave DDI

IPv6 DNS & DHCP Reports



Introduction

The TCPWave's DDI Reporting Framework is in-built into the core DDI product with no additional license and is one of the advanced frameworks in the current DDI market. It generates the widespread network reports used by today's network teams. The network teams can do a detailed investigation of events, identify anomalies, collect audit data. This framework allows the administrators to visualize the data tailored to your organization. As this is more data-driven, it helps the network administrators take insights quickly and easily. This ensures success by assisting them in building a data-driven culture and drafting data-driven judgment, creating an agile and responsive ecosystem.

TCPWave - Reporting Management

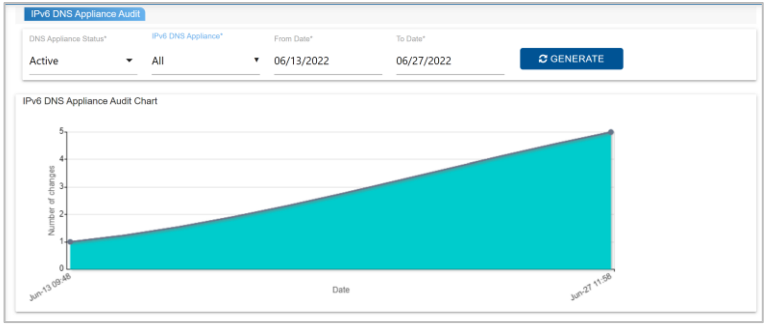
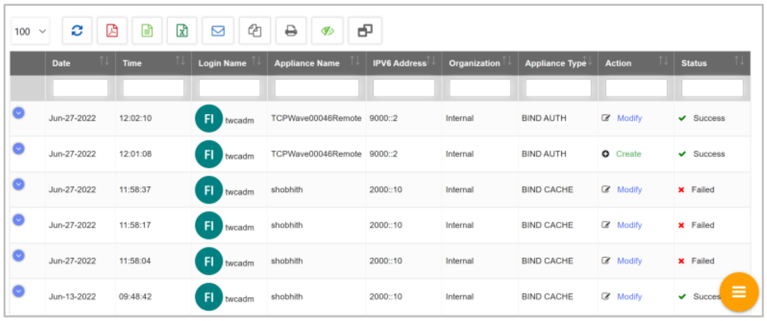
TCPWave provides over 100+ audit reports as a part of the core TCPWave DDI solution. The network administrators can export the reports in various formats such as PDF, Excel spreadsheet, or CSV. They have the privilege of scheduling the reports for periodic execution and sending the generated report via email to the selected contacts. This white paper provides insights on the IPv6 DNS & DHCP reports.

IPv6 DNS Reports

The IPv6 DNS reports are grouped as follows:

- IPv6 DNS Appliance Audit
- IPv6 Reverse Zone Audit

Report Name	IPv6 DNS Appliance Audit
Description	It provides complete audit information regarding operations performed on a specific IPv6 DNS appliance or all appliances by an administrator. The IPAM retrieves and displays the audit information for a specified time provided by the users.
Grid Data	• Date • Time • Login Name • Appliance Name • IPv6 Address • Organization • Appliance Type • Action • Status • Created On • Deleted On • Message • Description
Line Chart Data	Displays the following information: • **On X-axis**: Displays the date on which the operation(s) was performed on appliances. • **On Y-axis**: Displays the count of modifications performed on appliances.
Sample Report	

Report Name	IPv6 DNS Appliance Audit
	 

IPv6 DNS Appliance Audit

DNS Appliance Status*: Active
IPv6 DNS Appliance*: All
From Date*: 06/13/2022
To Date*: 06/27/2022

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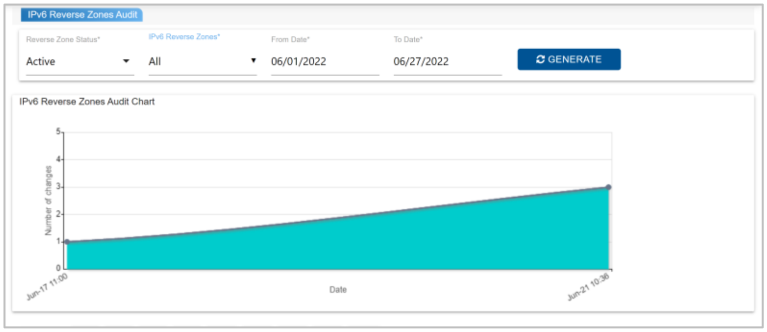
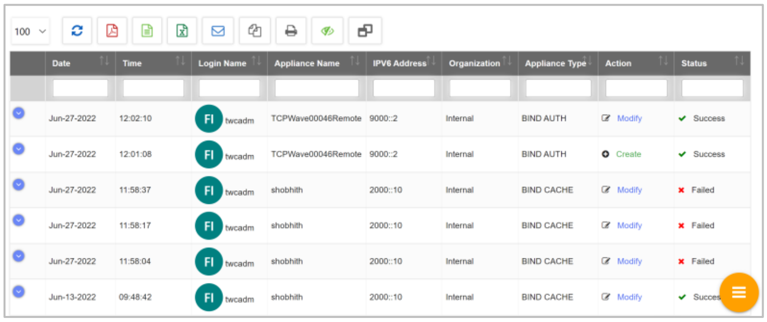
	Date	Time	Login Name	Appliance Name	IPV6 Address	Organization	Appliance Type	Action	Status
	Jun-27-2022	12:02:10	FI twcadm	TCPWave00046Remote	9000::2	Internal	BIND AUTH	Modify	✓ Success
	Jun-27-2022	12:01:08	FI twcadm	TCPWave00046Remote	9000::2	Internal	BIND AUTH	Create	✓ Success
	Jun-27-2022	11:58:37	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✗ Failed
	Jun-27-2022	11:58:17	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✗ Failed
	Jun-27-2022	11:58:04	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✗ Failed
	Jun-13-2022	09:48:42	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✓ Succes

Report Name	IPv6 Reverse Zone Audit
Description	It provides complete audit information regarding operations performed on a specific IPv6 reverse zone or all by an administrator. The IPAM retrieves and displays the zone audit information for a specified time provided by the users.
Grid Data	• Date • Time • Login Name • Reverse Zone Name • IPv6 Address • Organization • Appliance Type • Action • Status • Created On • Deleted On • Message

Report Name	IPv6 Reverse Zone Audit
	• Description
Line Chart Data	Displays the following information: • **On X-axis**: Displays the date on which the operation(s) was performed on reverse zones. • **On Y-axis**: Displays the count of modifications performed on reverse zones.
Sample Report	 

IPv6 Reverse Zones Audit

Reverse Zone Status*: Active

IPv6 Reverse Zones*: All

From Date*: 06/01/2022

To Date*: 06/27/2022

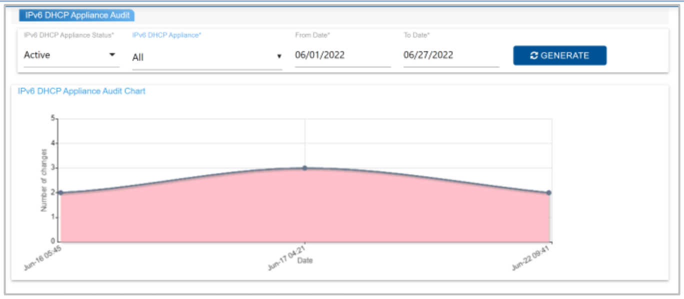
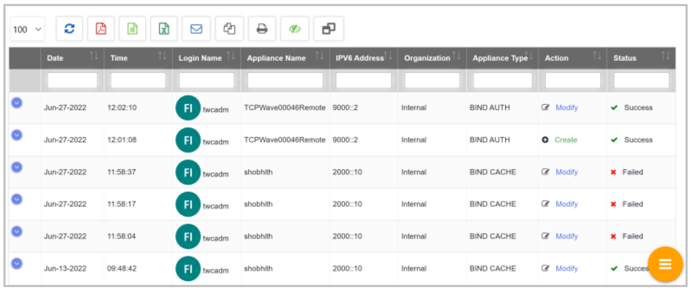
	Date	Time	Login Name	Appliance Name	IPV6 Address	Organization	Appliance Type	Action	Status
	Jun-27-2022	12:02:10	FI twcadm	TCPWave00046Remote	9000::2	Internal	BIND AUTH	Modify	✓ Success
	Jun-27-2022	12:01:08	FI twcadm	TCPWave00046Remote	9000::2	Internal	BIND AUTH	Create	✓ Success
	Jun-27-2022	11:58:37	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✗ Failed
	Jun-27-2022	11:58:17	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✗ Failed
	Jun-27-2022	11:58:04	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✗ Failed
	Jun-13-2022	09:48:42	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✓ Succes

IPv6 DHCP Reports

The IPv6 DHCP reports are grouped as follows:

- IPv6 DHCP Appliance Audit
- IPv6 DHCP Option Template

Report Name	IPv6 DHCP Appliance Audit
Description	It provides complete audit information regarding operations performed on a specific IPv6 DHCP Appliance or All Appliances by an administrator. The IPAM retrieves and displays the zone audit information for a specified time provided by the users.

Report Name	IPv6 DHCP Appliance Audit
Grid Data	- Date - Time - Login Name - Reverse Zone Name - IPv6 Address - Organization - Appliance Type - Action - Status - Created On - Deleted On - Message - Description
Line Chart Data	Displays the following information: - **On X-axis**: Displays the date on which the operation(s) was performed on appliances. - **On Y-axis**: Displays the number of modifications performed on appliances.
Sample Report	 

IPv6 DHCP Appliance Audit

IPv6 DHCP Appliance Status*: Active

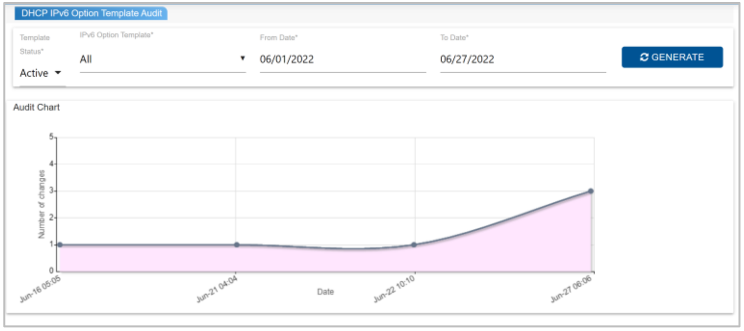
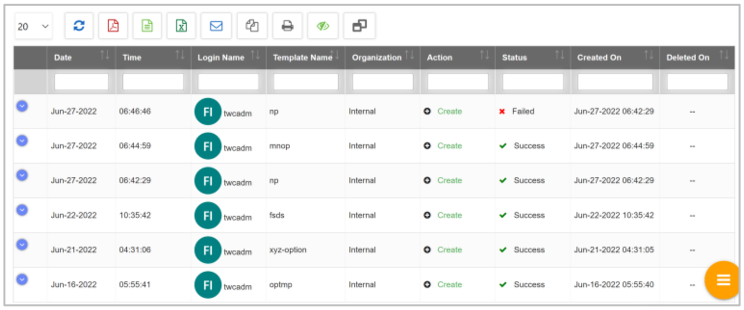
IPv6 DHCP Appliance*: All

From Date*: 06/01/2022

To Date*: 06/27/2022

	Date	Time	Login Name	Appliance Name	IPV6 Address	Organization	Appliance Type	Action	Status
	Jun-27-2022	12:02:10	FI twcadm	TCPWave00046Remote	9000::2	Internal	BIND AUTH	Modify	✓ Success
	Jun-27-2022	12:01:08	FI twcadm	TCPWave00046Remote	9000::2	Internal	BIND AUTH	Create	✓ Success
	Jun-27-2022	11:58:37	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✗ Failed
	Jun-27-2022	11:58:17	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✗ Failed
	Jun-27-2022	11:58:04	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✗ Failed
	Jun-13-2022	09:48:42	FI twcadm	shobhith	2000::10	Internal	BIND CACHE	Modify	✓ Succes

Report Name	IPv6 DHCP Option Template Audit
Description	It provides complete audit information regarding operations performed on the DHCP IPv6 Option Template by an administrator. The IPAM retrieves and displays the zone audit information for a specified time provided by the users.
Grid Data	• Date • Time • Login Name • Reverse Zone Name • IPv6 Address • Organization • Appliance Type • Action • Status • Created On • Deleted On • Message • Description
Line Chart Data	Displays the following information: • **On X-axis**: Displays the date on which the operation(s) was performed on the option templates. • **On Y-axis**: Displays the number of modifications performed on option templates.

Report Name	IPv6 DHCP Option Template Audit
Sample Report	 

DHCP IPv6 Option Template Audit

Template Status*: Active

IPv6 Option Template*: All

From Date*: 06/01/2022

To Date*: 06/27/2022

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Audit Chart

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	Date	Time	Login Name	Template Name	Organization	Action	Status	Created On	Deleted On
	Jun-27-2022	06:46:46	FI twcadm	np	Internal	Create	✖ Failed	Jun-27-2022 06:42:29	--
	Jun-27-2022	06:44:59	FI twcadm	mnop	Internal	Create	✓ Success	Jun-27-2022 06:44:59	--
	Jun-27-2022	06:42:29	FI twcadm	np	Internal	Create	✓ Success	Jun-27-2022 06:42:29	--
	Jun-22-2022	10:35:42	FI twcadm	fsds	Internal	Create	✓ Success	Jun-22-2022 10:35:42	--
	Jun-21-2022	04:31:06	FI twcadm	xyz-option	Internal	Create	✓ Success	Jun-21-2022 04:31:05	--
	Jun-16-2022	05:55:41	FI twcadm	optmp	Internal	Create	✓ Success	Jun-16-2022 05:55:40	--

Conclusion

The reporting framework is one of the essential products for any organization. The TCPWave's comprehensive, robust reporting framework provides teams with data to monitor the IT infrastructure, increase productivity, and aid decision-making. It allows the network administrators to analyze data from all network components, including devices, systems, and applications, assess overall performance, and derive comprehensive troubleshooting solutions. The network administrators have the power to manage the entire DDI suite with the most reliable, secure services and the best real-time views – all from a single pane of glass that serves as a single source of truth.