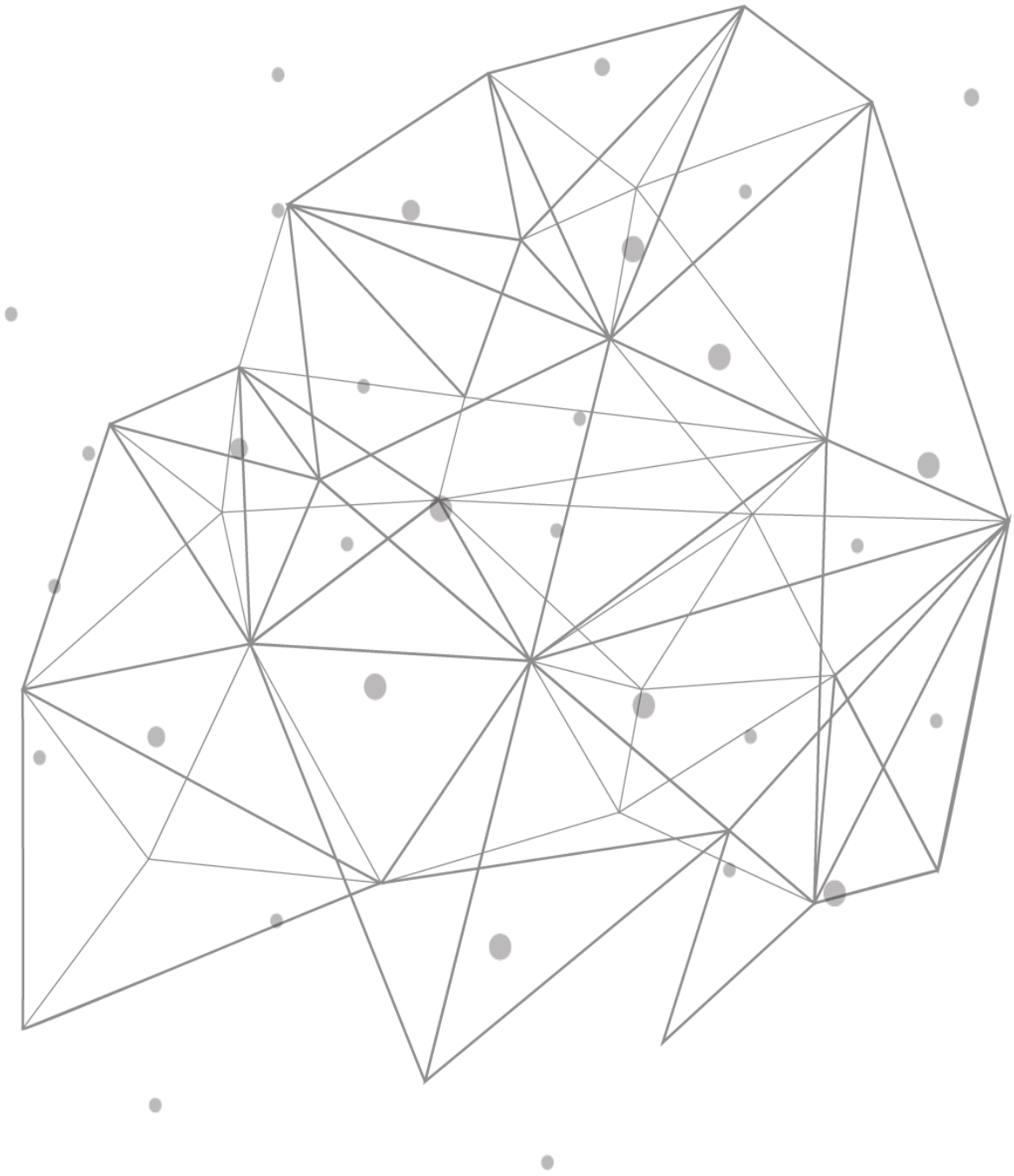
TCPWave DDI

DNS IPv4 Reports



Introduction

A DDI solution (DNS, DHCP, and IP address management) is an essential tool for any organization. As the organizations grow, they continue to add new IP addresses at an ever-increasing pace. TCPWave's DDI solutions provide organizations with the tools needed to monitor and administer their IP addresses, DNS, and DHCP services on a real-time basis. Its integrated, centralized approach to deliver enterprise-grade DDI - supports existing and evolving IT needs while providing the highest standards for security and uptime. It ensures operational efficiency and reduced cost. As the organization's network data lies within the application, the TCPWave reporting framework monitors your core services to keep the applications up and running. It ensures robust visibility to reduce the risk of DNS-based vulnerabilities. This whitepaper provides insights on the DNS IPv4 Reports.

DNS Reports

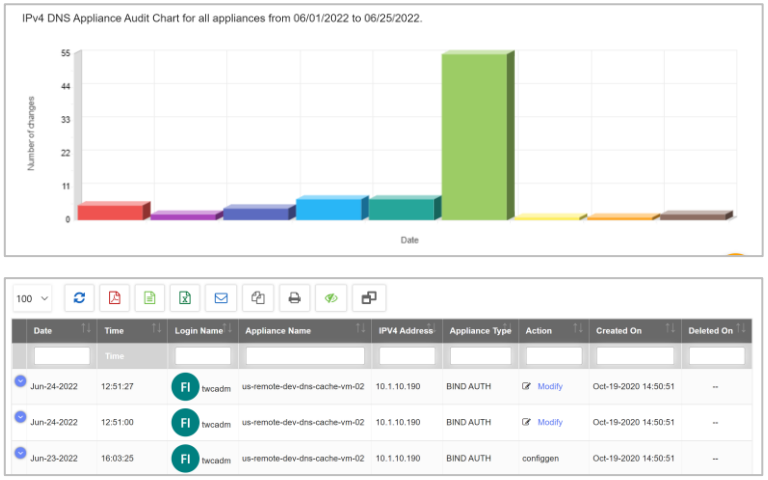
The DNS reports are grouped as follows:

- IPv4 DNS Reports
    - IPv4 DNS Appliance Audit
    - DNS ACL Audit
    - DNS TSIG Key Audit
    - DNS Internal Hints Audit

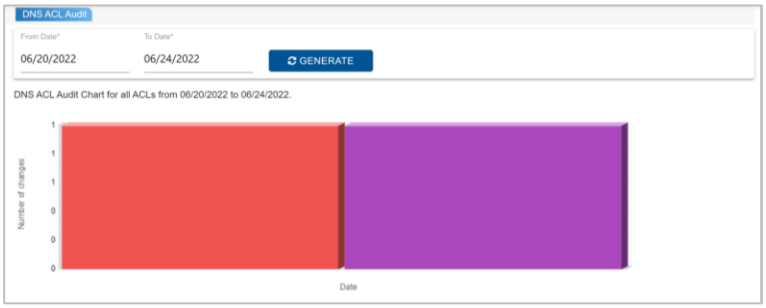
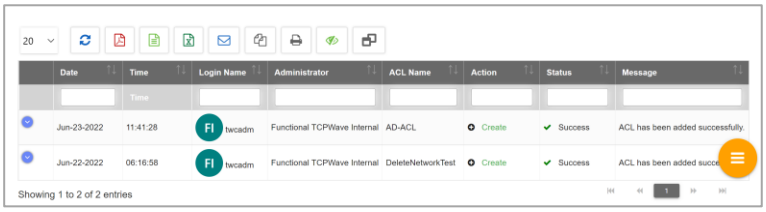
    - DNS Dotted Hostnames Report
    - DNS Instant Traffic Report
    - DNS Contingency Switch Report
- IPv6 DNS Reports
    - IPv6 DNS Appliance Audit
    - IPv6 Reverse Zones Audit
- DNS Template Reports
- DNS Zone Reports
- DNS RPZ Reports
- DNS Views Reports
- DNS Query Reports
- DNS Security Reports
- Microsoft DNS Reports

IPv4 DNS Reports

Report Name	IPv4 DNS Appliance Audit
Description	It provides complete audit information regarding operations performed on a specific DNS Appliance or All Appliances by an administrator. The IPAM retrieves and displays the information for a specified time provided by the users
Grid Data	• Date • Time • Login Name • Appliance Name • IPv4 Address • Appliance Type • Action • Status • Created On • Deleted On • Message • Description

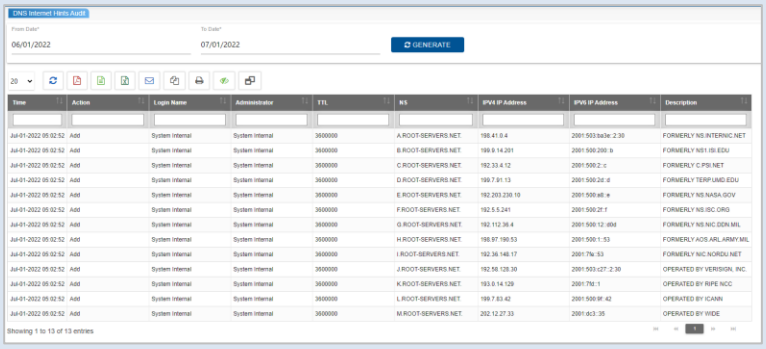
Report Name	IPv4 DNS Appliance Audit
Bar Chart Data	Displays the following information of all the appliances for the specified date range. • On X-axis: Displays the date on which the operations were performed. • On Y-axis: Displays the number of modifications made on the appliances.
Sample Report	

Report Name	DNS ACL Audit
Description	It provides the complete audit information regarding DNS ACL operations performed by an administrator based on the selected date range.
Grid Data	• Date • Time • Login Name • Administrator • ACL Name • Action • Status • Message

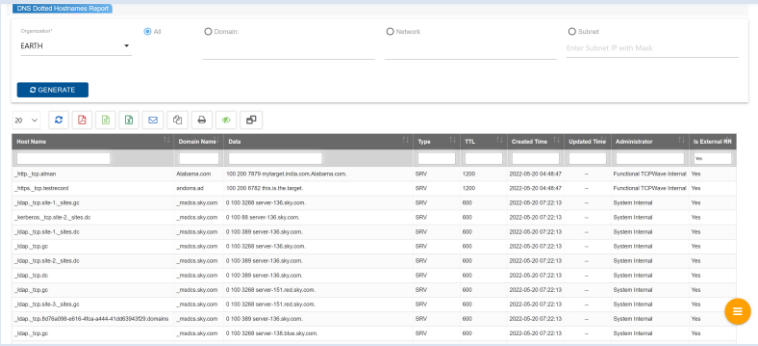
Report Name	DNS ACL Audit
	• Description
Bar Chart Data	Displays the following information for the specified date range. • On X-axis: Displays the date on which the changes were made on a particular ACL. • On Y-axis: Displays the number of changes made on a particular ACL for a specified date range.
Sample Report	 

Report Name	DNS TSIG Key Audit
Description	It displays the information about the actions performed on the DNS TSIG keys in the TCPWave IPAM application.
Grid Data	• Date • Time • Login Name • Administrator • TSIG Key Name • Algorithm • Action • Status

Report Name	DNS TSIG Key Audit
	• Secret Key
Bar Chart Data	Displays the following information for the specified date range: • On X-axis: Displays the date on which the changes were made on a particular TSIG key. • On Y-axis: Displays the number of changes made on a particular TSIG key for a specified date range.

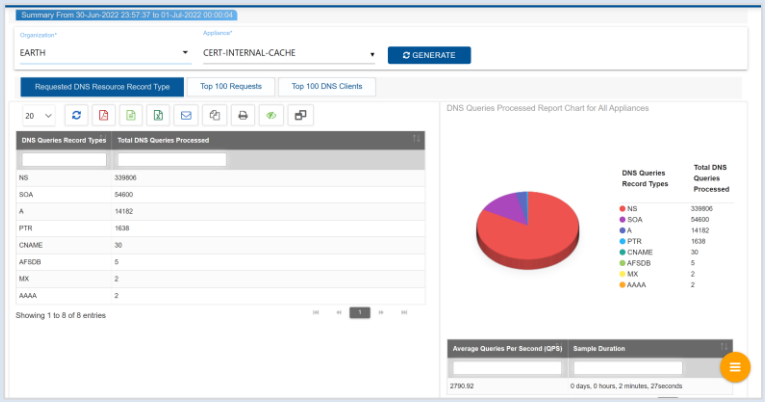
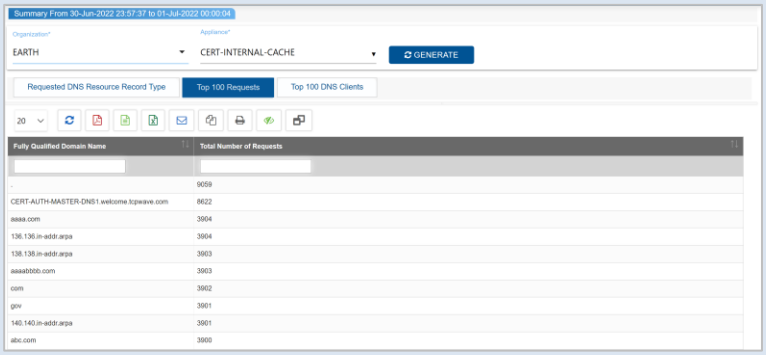
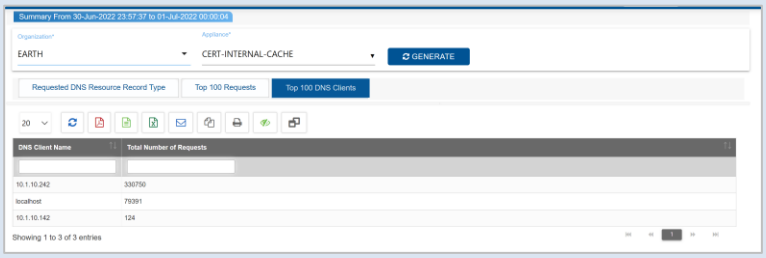
Report Name	DNS Internal Hints Audit
Description	This report provides information about the change history of DNS internet root hints based on the specified date range.
Grid Data	• Time • Action • Login Name • Administrator • TTL • NS record • IPv4 IP Address • IPv6 IP Address
Sample Report	

Report Name	DNS Dotted Hostnames Report
Description	It displays the audit information about the Dotted Hostnames for Object, Resource

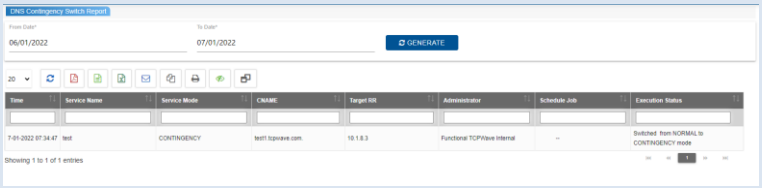
Report Name	DNS Dotted Hostnames Report
	Record, and Zone Resource Record. You can filter the report to return the entire organization's list or for a specific domain, network, or subnet.
Grid Data	• Host Name • Domain Name • Data • Type • TTL • Created Time • Updated Time • Administrator • Is External RR
Sample Report	

Report Name	DNS Instant Traffic Report
Description	It displays the statistical information about DNS Queries Record Types, Top 100 Domain Names Requested, and Top 100 DNS Clients.

Tab Data	• Requested DNS Resource Record Types
	  ○ DNS Queries Record Types
	  ○ Total DNS Queries Processed
	• Top 100 Domain Names Requested
	  ○ Fully Qualified Domain Name
	  ○ Total Number of Requests
	• Top 100 DNS Clients

Report Name	DNS Instant Traffic Report
	○ DNS Client Name ○ Total Number of Requests
Sample Report	  

Report Name	DNS Contingency Switch Report
Description	It provides the complete audit information about the switch operations performed on a service based on the specified date range.
Grid Data	• Time • Service Name

Report Name	DNS Contingency Switch Report
	• Service Mode • CNAME • Target RR • Administrator • Schedule Job • Execution Status
Sample Report	

Conclusion

With such a robust and powerful monitoring engine embedded as an integral part of the TCPWave IPAM, organizations can dramatically improve their service level agreements and keep their mission-critical services up and running. 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. For a quick demo on enforcing monitoring and enhancing the organization's DNS service availability, contact the TCPWave Sales Team.