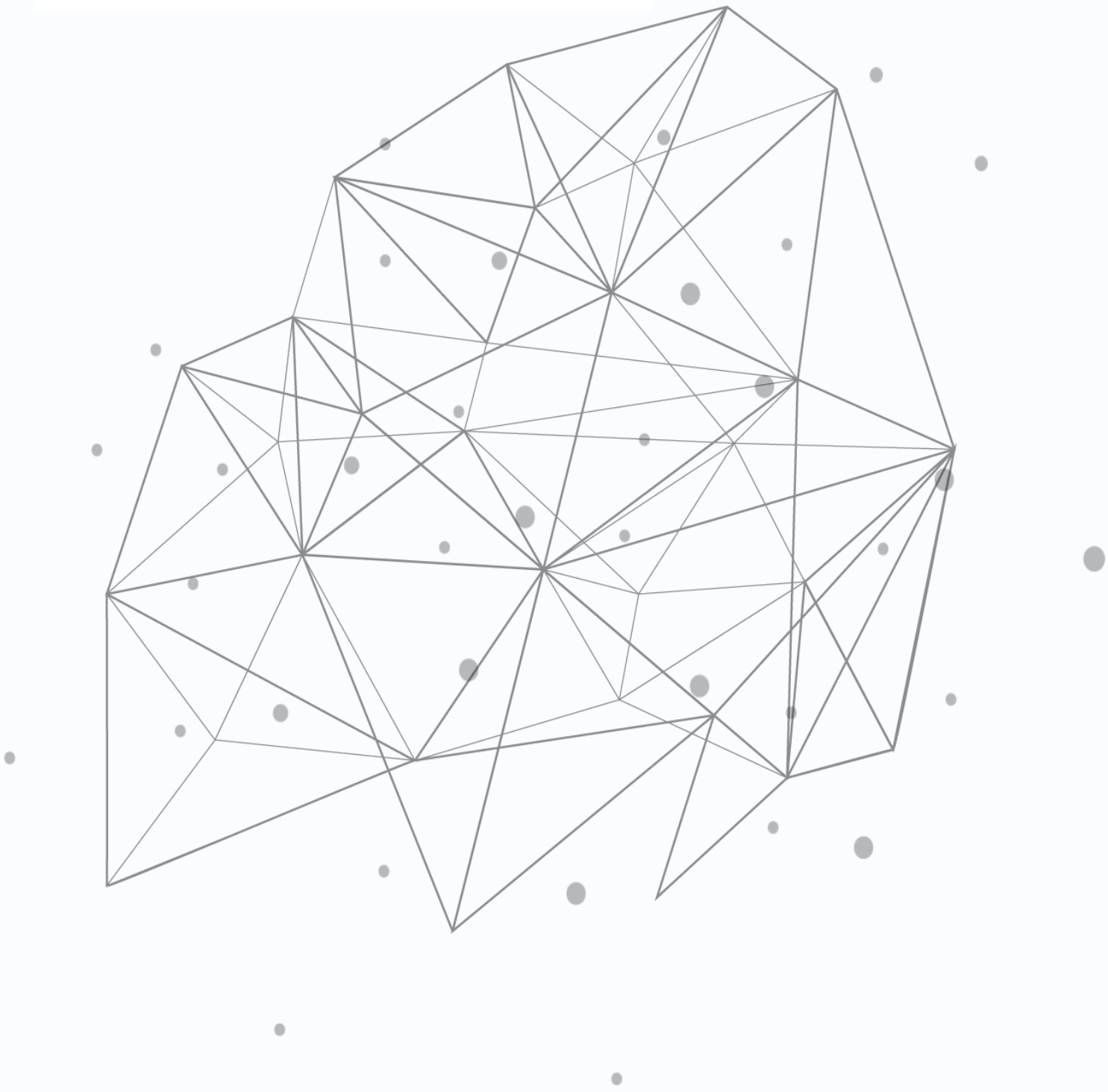
TCPWave DDI

Integrations



Integrations

Integrations enable the enterprises to add external systems and applications to communicate with the TCPWave DDI controller. The TCPWave DDI provides superior enterprise-grade cohesive APIs (Application Programming Interface) in the core solution. The idea of integrating the core DDI infrastructure to the other applications using APIs is a key success in the modern digital era. TCPWave DDI supports the following Integrations:

- **Ansible**
  - Users can automate TCPWave IP Address Management System (TIMS) using Ansible playbooks using the secure and robust REST APIs used by TIMS GUI and CLI interfaces and for integration into cloud orchestration layers.
- **Cisco**
  - The TCPWave appliances can be configured to forward the DNS queries to the virtual appliances and having all the clients first reach the TCPWave appliance.
  - When the TCPWave DNS appliance is set to forward the queries to the virtual appliances, the reporting data at Cisco Umbrella does not show the internal IP addresses of each client which queried the DNS instead, you can see the TCPWave DNS appliance IP as Internal IP for all the queries forwarded to the Cisco Umbrella in the report.
  - Also, this method of forwarding the queries to the virtual appliances does not allow applying the policies based on “internal networks” when the TCPWave DNS appliance is configured to serve multiple internal networks.
- **CyberArk**
  - The CyberArk + TCPWave integration mitigates the security concern using the CyberArk Privileged Account Security Solution.
- **Kubernetes**
  - Kubernetes is an open-source container-orchestration system for automating application deployment, scaling, and management. It provisions and maintains the lifecycle of containers. During provisioning of the new containers, it assigns IP addresses to the containers.
  - The purpose of TCPWave’s Kubernetes integration is to capture these IP addresses into the IPAM and release the IP addresses when the container is destroyed.
- **ServiceNow**
  - TCPWave DDI provides seamless integration into the ServiceNow workflows. Activities such as Change Request Approval or Reporting an Incident or Planning a corrective plan of action that are performed in ServiceNow can be chained into the TCPWave Script Include functions to invoke an appropriate API in a secure authenticated manner.
- **Terraform**
  - TCPWave IPAM Terraform plugin is a convenient approach for users who wants to manage multi-cloud infrastructure as code using a single template. Create next available VPC with given DHCP Option set in the

cloud, create next available Subnet in the given VPC in the cloud, manage DNS across multiple cloud providers with single cloud provider template associated to different cloud providers and scale up/down virtual machines in cloud with predefined cloud instance provisioning templates and propagate the resource records of the newly added virtual machine into multi-cloud immediately as atomic operation in are few of many features that uniquely distinguish TCPWave IPAM multi-cloud management solution from other solutions. It also offers the flexibility to manage infrastructure from IPAM UI once the infrastructure is created using the TCPWave IPAM Terraform plugin.

- **VMWare vRA**
  - VMWare recently released its cloud management platform offering with the latest version - vRealize Automation 8.2. This product comes with a complete redesign from their predecessor vRA7 platform. Built on modern container-based microservices architecture, HTML5 user interfaces, and new APIs, it offers a new way to integrate core network services from TCPWave, such as DNS and IPAM.
  - With the advent of the latest automation trends, TCPWave introduces a new IPAM plugin for vRA. TCPWave plugin provides integration with vRA8.2 and vRA Cloud and will be made available on the VMware Solution Exchange marketplace. The TCPWave plugin works with vRA Cloud Assembly using Action Based Extensibility (ABX), VMware's serverless function capability. With these extensibility actions, the TCPWave plugin allows you to allocate IP space for networks, allocate IP addresses for virtual machines, create DNS records for these new VMs, and clean up unused resources. TCPWave IPAM's extensible attributes provide additional capabilities to store valuable data about your VMware deployments and resources.
- **Splunk**
  - Splunk is known as the Google of machine log analytics. It is an enormously powerful, robust, and real-time big data analytics tool. Splunk can be used as a monitoring, reporting, analyzing, security information, and event management tool, among other things. It takes the valuable machine-generated data and converts it into powerful operational intelligence by delivering insights through reports, charts, and alerts. With the instant results that Splunk provides, users can perform practical root cause analysis to troubleshoot and resolve the issue of any criticality.
  - Splunk's architecture comprises components that are responsible for data ingestion, indexing, and analytics. Integration of Splunk with the TCPWave DDI enables the Splunk agent to collect the logs from IPAM, DNS, and DHCP appliances in one place.

CONCLUSION

TCPWave lowers your total cost of ownership, increases your organization's agility, and helps you get to automate the DDI infrastructure significantly faster. TCPWave complies to all standards and regulations that help to protect data across all parties, giving customer peace of mind in their governance, risk and compliance.

WANT TO CONNECT

Contact the TCPWave Sales Team to discuss the customized deployment and migration strategies.