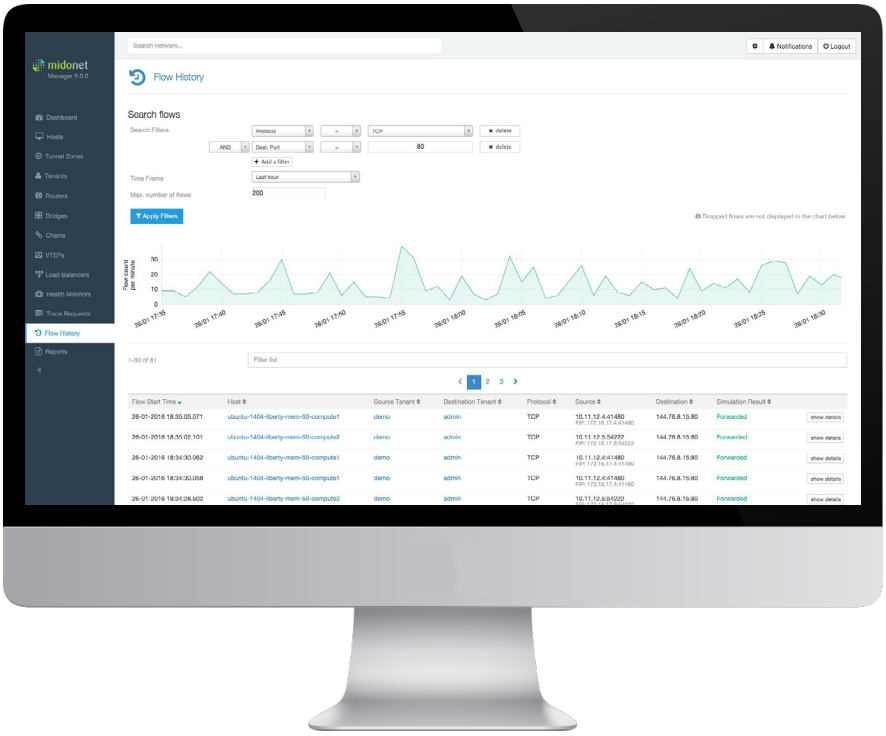
Midokura Enterprise MidoNet (MEM)

Data Sheet

INSIGHTS

Visualize the Virtual Network

Advanced data analytics and dynamic visualization to help operators manage OpenStack Networking - simplify network management and make troubleshooting a breeze.



Introducing Midokura Enterprise MidoNet (MEM) Insights

MEM Insights is a powerful data analytics and dynamic visualization solution that complements the network virtualization overlay from Midokura. Conventional tools offer zero visibility into virtualized networks and encapsulated traffic. MEM Insights empowers operators to make decisions based on data like never before. Easily view details about the virtual network, monitor traffic and tenant usage, and address security and compliance use cases. Unify your operations team with a consistent set of data about physical hosts and virtual network objects onto a single pane of glass.

MEM Insights Features

Flow Tracing
Specify by port or protocol and trace flows through the virtual topology in real time. Gives insight into each virtual network device traversed, every security group policy applied and shows the flow path across hosts.

Flow History
Gives insights by port or protocol into historical traffic flows through physical hosts and virtual device traversed.

Top Usage Reports
See network consumption ranked by highest tenant.

Traffic Counters
Use counters to examine the traffic load going through each virtual device, say for a virtual bridge or a router.

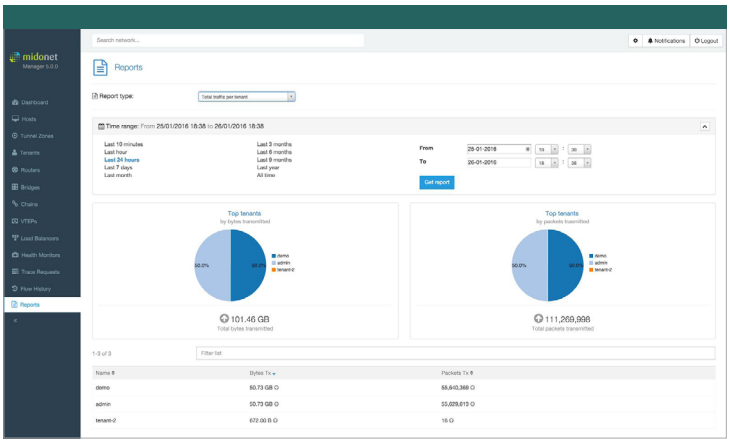
Port Mirroring
Mirror traffic traversed through virtual ports, bridges and routers and output onto another device like a deep-packet inspection firewall or intrusion detection system (IDS) for post-event analysis.

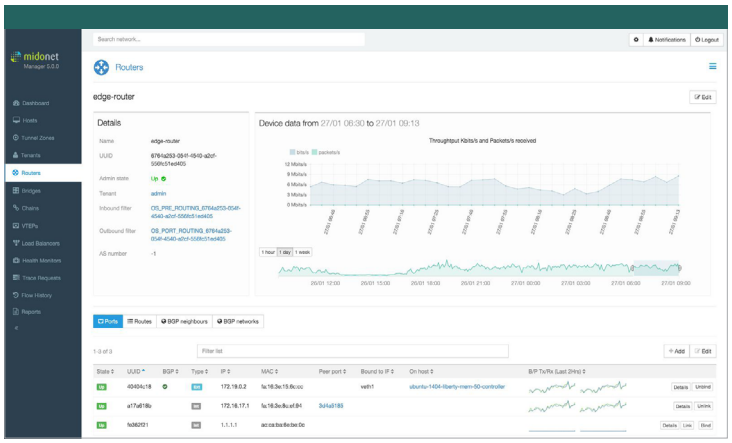
Security Audit and Compliance

- Insights into live and past flows and view the flows through physical hosts and virtual routers and bridges
- View every security group policy applied at the port and VM level
- Identify and resolve anomalies or potential threats for security and compliance use cases using port mirroring

NFV-Enabled Security

- Support NFV use cases via MEM's service chaining technology to virtualize network nodes like the Intel Security Controller (ISC)
- Implement fine grain security policies at the virtual machine and container level
- Enable security functions like on-demand malware protection and customized tenant-based security policies





Tenant-Level Consumption Reports

- Monitor usage by tenants, view network consumption ranked by highest tenant usage by number of packets sent and received and by amount of traffic transmitted and received
- Implement showback or chargeback scenarios at the tenant-level
- Create a data-driven culture across the developers, operations and business stakeholders

Network Monitoring

- Help empower operators to proactively pinpoint root cause network issues in any part of the virtual network
- Monitor bandwidth and examine the throughput data going through the hosts, virtual bridges and virtual routers to look for overloaded devices and bandwidth abuse
- Get answers to all your questions related to network health and performance

Get started with a free 30-day Pro trial: midokura.com/try-mem/