

DATA SHEET

Ipanema SD-WAN from Infovista – Know Your Network

Ipanema SD-WAN from Infovista Provides the Keys to Successful Digital Transformation

In order to stay competitive in the digital era, businesses must ensure a seamless customer experience, and that demands exceptional network performance. But that can't be achieved without session level application insight.

Ipanema SD-WAN from Infovista empowers your business to meet and exceed the digital demands placed on the network. A suite of sophisticated application intelligence tools help IT ensure the performance of business application and manage bandwidth cost effectively, even during network congestion. No matter how distributed your enterprise, Ipanema ensures optimal application performance from HQ, to the branch, to the cloud and everywhere in between.

HOW IT WORKS

Ipanema simultaneously and automatically monitors, controls, accelerates and selects the best path for all applications across two or more available networks based on business objectives. The solution supports a full set of application performance software capabilities that can be deployed as individual microservices or an integrated solution.

Infovista's Ipanema SD-WAN solution combines a number of sophisticated network technologies:

- Application Intelligence: Visibility, Control, Dynamic WAN Selection (DWS)
- WAN Security
- Enhancements: WAN Optimization, Troubleshooting, Traffic Catalogue
- Routing and Centralized Management

APPLICATION INTELLIGENCE

VISIBILITY, QOE CONTROL AND DWS

You're not getting the true value of SD-WAN if your solution doesn't provide deep application insights and control to the session level. Ipanema's Application Intelligence monitors and manages application performance over the global network according to established baselines; prioritizes bandwidth usage based on of QoE SLAs; routes traffic to the best pathway according to real-time conditions.

Visibility

- Granular and aggregated data views across business lines, geographies, sites, applications or group of applications.
- Packet Inspection, Application Quality Score and Application Flow Details

Control

- Patented dynamic-bandwidth allocation and queuing algorithms regulate traffic flows over the enterprise WAN to maximize all available link capacity.
- Performance monitoring across the entire enterprise network computes total bandwidth

availability and application demand in real time.

- Prioritization based on the nature of applications (real-time, transactional or background); actual bandwidth behavior of the flows (constant, variable, elastic); real-time network conditions.

DWS

- Deep Packet Inspection analyzes traffic up to Layer 7 to identify and classify the patterns of application flows based on application performance objectives.
- DWS considers end-to-end performance metrics such as available bandwidth, delay, jitter and packet loss, beyond the local availability of links.
- Analysis of application usage and bandwidth availability allows Ipanema to select the best path for each flow based on priority

APPLICATION AND WAN SECURITY

Ipanema SD-WAN Security function simplifies hybrid WAN deployments and protects your branch Internet connections from threats, without additional security in the branch.

- Customer flows are encrypted (AES 128, 256 or triple des) on IPsec VPN tunnels over direct Internet links, in addition to MPLS or other WAN links.
- Direct-to-Internet rule exceptions can be defined as part of the security and policy strategy of the network, to deny all in/out traffic to traverse the Ipanema appliances toward untrusted WAN interfaces.
- Ipanema SD-WAN security is configured in conjunction with DWS where traffic flows are forwarded over the WAN connection that matches the predefined business intent objective.

APPLICATION AND WAN SECURITY

WAN OPTIMIZATION, TROUBLESHOOTING, SAAS CATALOGUE

Value-added features allow even greater control and management capabilities.

- Deduplication and Redundancy Elimination reduces the amount of data transferred.
- WAN optimization for data centers with several network links provides high availability — allowing

IP sessions to go out on one link and come back on another.

- Deep Diagnostic Tools visualize the real-time connectivity status of any paths between sites in the network.
- Troubleshooting Tools expedite incident resolution via drilldown from Application Flows to NetFlow Application Conversations detailing all Application performance metrics between pairs of end-points for a given application.
- SaaS Directory provides complete visibility into all traffic crossing the network, including on-prem hosted applications, external website and Shadow IT

ROUTING AND CENTRALIZED MANAGEMENT

Ipanema simplifies network management through a centralized portal with user-friendly dashboards and reporting with granular detail. Ipanema provides solution flexibility through overlay/underlay technology and routing capabilities.

Ipanema SD-WAN from Infovista provides a market proven solution that guarantees the performance, security, and success of the organization’s entire digital application portfolio under any network conditions down to the session level. Contact Infovista today to learn how we can support your business through a successful digital transformation.

<http://www.infovista.com>

You can’t know your network without comprehensive application visibility.

About Infovista

Infovista, the leader in modern network performance, provides complete visibility and unprecedented control to deliver brilliant experiences and maximum value with your network and applications. At the core of our approach are data and analytics, to give you real-time insights and make critical business decisions. Infovista offers a comprehensive line of solutions from radio network to enterprise to device throughout the lifecycle of your network. No other provider has this completeness of vision. Network operators worldwide depend on Infovista to deliver on the potential of their networks and applications to exceed user expectations every day. Know your network with Infovista.