

Empowering Smart Monitoring at the Edge

Unlock the potential of IT & OT monitoring with VRPx. A cutting-edge solution designed to revolutionize how you handle data challenges at the network's remotest edges.

By harnessing the power of computing capacity within remote probes, VRPx ensures real-time processing of big data, presenting a dynamic approach to overcoming emerging challenges.

VRPx offers an immediate business impact, providing unparalleled insights into your network structure and activity. Elevate your system awareness, enhance decision-making, and fortify your network's reliability and cybersecurity with VRPx.

Welcome to the future of edge monitoring - where innovation meets performance.

Incorporate VRPx into your network infrastructure and witness the transformation of edge monitoring into a strategic advantage. From heightened security to unparalleled analytical capabilities, VRPx redefines the boundaries of what's possible at the edge of your network. Elevate your operations and stay ahead in the ever-evolving landscape of IT and OT monitoring.



Experience the advantages of VRPx: elevating edge monitoring to unprecedented heights.

Unlock a myriad of benefits with VRPx, a revolutionary solution that not only meets but exceeds your expectations for edge monitoring:

- **Intelligent Edge Computing:** VRPx goes beyond conventional monitoring by delivering intelligence directly at the edge, significantly reducing the burden on your central systems and enhancing overall computational efficiency.
- **Seamless Network Accessibility:** Break through barriers with VRPx's ability to analyze remote networks that are otherwise unreachable, including segregated and Industrial Control Systems (ICS), providing insights into areas previously obscured.
- **Cutting-Edge Network Analysis:** Embrace advanced network analysis right from the edge of your network. VRPx empowers you to proactively identify and address potential issues, bolstering the resilience of your entire network infrastructure.
- **Interoperability:** VRPx stands out by seamlessly supporting integration with third-party platforms, ensuring that you can leverage existing systems and technologies without disruptions.

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Key Features

- **Seamless Deployment:** VRPx effortlessly integrates into commodity hardware or virtual environments, ensuring a hassle-free setup experience.
- **Automated Updates:** Stay ahead with automatic background updates, ensuring your system is always equipped with the latest features and security enhancements.
- **Simple integration:** Utilize the standard Publish Subscribe pattern for easy and effective integration into your existing network infrastructure.
- **Versatile architecture:** VRPx supports multiple architectures, including x86, amd64, and arm, providing flexibility to adapt to your specific needs.
- **Cisco ISR Integration:** Leverage the power of Cisco ISR series platforms with VRPx's IOx readiness, maximizing the benefits for your enterprise.
- **Reliability:** VRPx ensures reliable message transmission, featuring a local buffer to overcome network failures and enhance overall system dependability.
- **Configurability:** Tailor your network connections with configurable star and hub'n'spoke configurations, providing adaptability to diverse network structures.
- **Modbus Interface:** Seamlessly connect to Industrial Control Systems (ICS) with VRPx's Modbus interface, expanding your monitoring capabilities.
- **Environment Monitoring:** Stay informed with VRPx's ability to monitor environmental parameters, contributing to a comprehensive network overview.



Network Analysis Capabilities

Explore a range of advanced network analysis features that empower you to proactively manage and secure your network

- **Latency Measurement:** Gauge latency and jitter towards any destination within your LAN, WAN, or MPLS.
- **QoS Insights:** Obtain real-time information about the quality of service in ongoing communications through Real-Time Protocol & Codec Analysis.
- **Bandwidth Testing:** Test available bandwidth between two VRPx instances to optimize network performance.
- **Remote Mode Interaction:** Execute terminal commands on demand with VRPx's Remote Mode Interaction.
- **Security Monitoring:** Enhance security with HTTP(S) fingerprinting, SNMP queries, NetFlow/sFlow datagram collection, and intrusion detection capabilities.

Ensure a seamless VRPx integration with the following system requirements

- **Hardware Compatibility**
VRPx supports a variety of hardware, including Cisco IOx routers, Raspberry Pi, dedicated hardware, and Virtual Machines.
- **Architecture and OS**
Choose from x86, amd64, arm, arm64 architectures, and run VRPx on Linux, Windows, MacOS, or xBSD.
- **Low Resource Usage**
Experience efficient performance with low resource usage (<1% CPU, <256MB memory, <50M B disk).



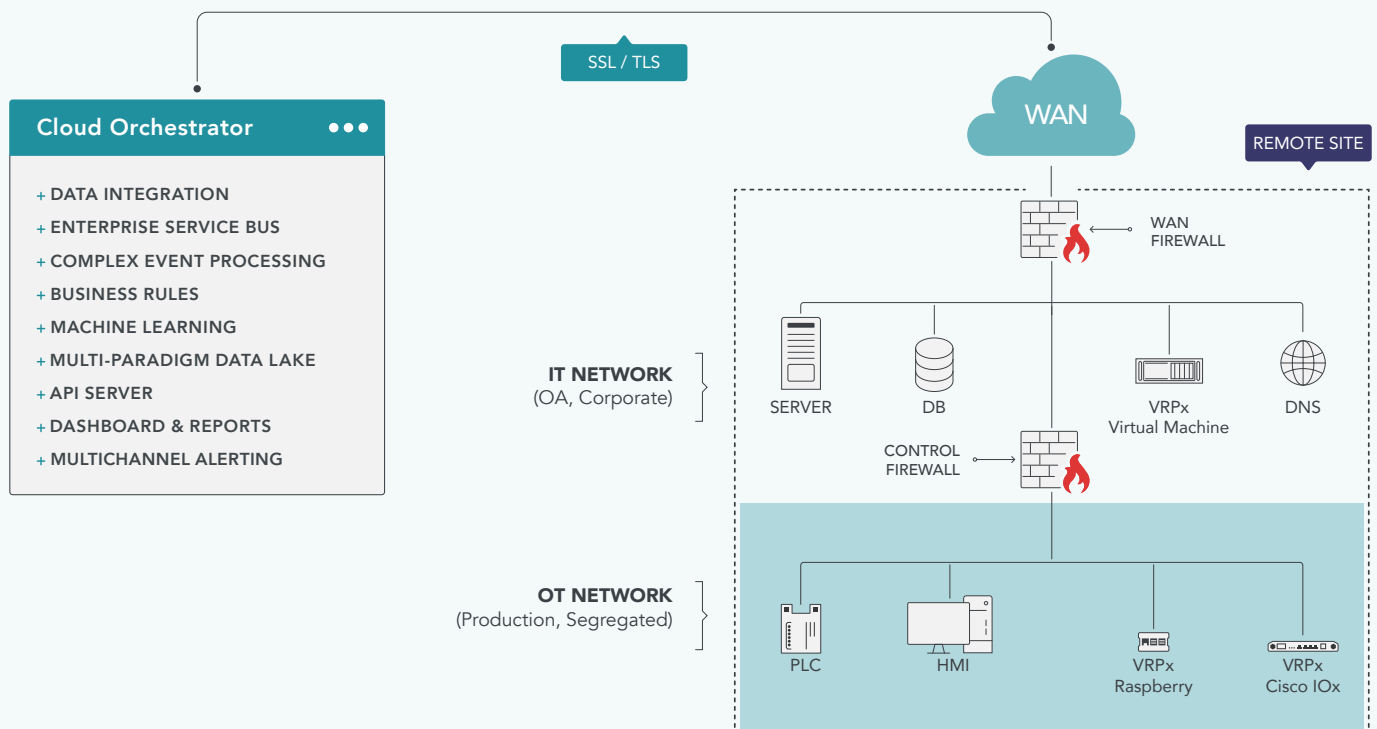
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Unlocking Operational Excellence: a case in point

In the realm of remote infrastructure monitoring and analysis, a paradigm shift towards enhanced control functions has emerged. This transformative approach encompasses the vigilant oversight of activity data, service continuity, and the availability of critical equipment and machinery.

At the forefront of this evolution is VRPx, a groundbreaking solution that introduces a new dimension to network functionality. Operating seamlessly in a multilevel network, including the intricate landscape of segregated OT networks, VRPx redefines the boundaries of infrastructure monitoring.



One of the key strengths of VRPx lies in its data collection and transmission capabilities to the Cloud. This dynamic feature not only facilitates real-time representation of the environment's status but also enables the immediate identification and reporting of anomalous scenarios.

The result is a proactive and responsive system that empowers organizations to preemptively address potential issues, ensuring uninterrupted operations.

In this case, the integration of VRPx stands as a testament to the potential for innovation in remote infrastructure monitoring. The ability to navigate multilevel networks and provide instantaneous insights into environmental dynamics sets a new standard for operational efficiency and risk mitigation. Embrace the future of monitoring with VRPx, where control, responsiveness, and excellence converge to redefine the landscape of remote infrastructure management.



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