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	Cisco	Velocloud	Versa	Silver Peak
Advanced Security				
Advanced branch threat defense	 <p>Cisco's converged branch platform integrates real-time contextual awareness, security automation, and industry-leading threat prevention, malware protection, EAL4-certified perimeter defense, and web security.</p>	 <p>Limited Offers access-control lists, stateful firewall, and Network Address Translation only.</p>	 <p>Offers integrated next-generation firewall and intrusion detection system.</p>	 <p>Limited Offers access-control lists, stateful firewall, and Network Address Translation only.</p>
End-to-end secure architecture	 <p>Site-to-site and remote-access VPN technologies, DMVPN, GET VPN, FlexVPN, SSL VPN help protect sensitive enterprise communications. NIST-approved, line-rate encryption secures data in motion.</p>			
Real-time threat intelligence	 <p>Cloud-delivered, integrated security service for Cisco branch routers, providing protection against malware, botnets, phishing, and targeted online attacks at the DNS layer.</p>	 <p>Requires a third-party solution.</p>	 <p>Limited Supports an intrusion-detection system but not detection of DNS-layer attacks.</p>	 <p>Requires a third-party solution.</p>

	Cisco	Velocloud	Versa	Silver Peak
Network as sensor and enforcer	 <p>Comprehensive network visibility with behavioral-based analytics enables faster anomalies detection and deeper forensics of internal and external threats.</p>		 <p>Limited Claims support for analytics-based anomaly detection.</p>	
Trustworthy systems	 <p>Secure development lifecycle is published and verifiable. Products have trust anchors, secure boot, and runtime prevention. Software is digitally signed.</p>			
User Experience				
Application-aware WAN	 <p>Monitor more than 1400 applications and network performance. Troubleshoot issues quickly. Deploy business-intent policies across the entire network with no probes or additional hardware.</p>	 <p>Claims to monitor more than 2500 applications. Offers application group support and application filter support.</p>	 <p>Claims to monitor more than 2000 applications and protocols. Offers application group support, application filter support, and application visibility and log support.</p>	 <p>Supported via deep packet inspection and DNS snooping. Used in application steering, QOS, WAN optimization, and security policies.</p>
Application high availability	 <p>Monitor path performance and apply what is learned to select the best network path for a given application. Effectively load-balance across paths while delivering ideal application-level SLAs.</p>	 <p>Monitor path performance and apply what is learned to select the best network path for a given application. Effectively load-balance across paths while delivering ideal application-level SLAs.</p>	 <p>Monitor path performance and apply what is learned to select the best network path for a given application. Effectively load-balance across paths while delivering ideal application-level SLAs.</p>	 <p>Monitor path performance and apply what is learned to select the best network path for a given application. Effectively load-balance across paths while delivering ideal application-level SLAs.</p>

	Cisco	Velocloud	Versa	Silver Peak
Enhanced application experience	 <p>Cisco's software- and hardware-integrated solution offers bandwidth optimization, application acceleration, and intelligent caching.</p>	 <p>Limited Integrated forward error correction and tunnel bonding-type features. Requires third party for WAN optimization.</p>	 <p>Limited Integrated forward error correction and tunnel bonding-type features. Requires third party for WAN optimization.</p>	 <p>Fully integrated WAN optimization and acceleration.</p>
Seamless cloud extension	 <p>Extend the WAN to any private and public cloud. Get broad hypervisor and cloud support, seamless network extension and mobility, and advanced cloud security features.</p>			
Last-mile network resiliency	 <p>Provide primary connectivity or backup communications. Cisco Advanced LTE Category 6 support offers network resiliency for business continuity, up to 150 times faster and with far lower latency than 3G links offer.</p>			
Agility				
SDN controller and applications	 <p>Get software-defined networking for the enterprise branch, campus, and WAN. A simple user interface and plug-and-play protocols automate policy-based application profiles.</p>	 <p>Limited Limited to SD-WAN overlay only.</p>	 <p>Limited Limited to SD-WAN overlay only.</p>	 <p>Limited Limited to SD-WAN overlay only.</p>

	Cisco	Velocloud	Versa	Silver Peak
Open and programmable	 Cisco offers NETCONF and YANG support across branch, WAN, and cloud platforms.			
Pay-as-you-grow services	 Performance license upgrades add dedicated compute and storage resources for additional services.			
Software licensing packages	 Cisco ONE Software suites make software buying simple. Instead of choosing from hundreds of separately priced software features, you purchase one software product, for predictable OpEx.			
Virtualization				
Enterprise Network Functions Virtualization	 Simplify operations and deployment of virtual routing, security, and application services.	 Supports third-party VNF hosting.	 Supports third-party VNF hosting.	 Limited Available as a VNF.

	Cisco	Velocloud	Versa	Silver Peak
Native application hosting	 Automate workflows, configuration, and operation of lightweight network functions or third-party tools natively on our IOS XE operating system.	 Available as a VNF.	 Available as a VNF.	 Available as a VNF.
Integrated compute and storage	 Includes local compute and storage resources for applications, network functions or services, data backup, and analytics.			
Services				
Depth of services portfolio	 Provides a diverse and complete lifecycle of advisory, implementation, optimization, technical, managed, and training service offers for SD-WAN and intent-based networking.	 Limited Limited portfolio of strategic planning and advisory services. Service delivery/ orchestration and analytics through Velocloud's Virtual Services' NSX SD-WAN solution relies on multiple virtualized network functions.	 Multiservice capabilities for SD-WAN, including enterprise, managed, and cloud IP platform.	 Limited Tiered Managed SD-WAN Service provides various levels of service: base, integrated, enhanced (optimization), and cloud optimization. Limited portfolio of strategic planning and advisory services as well as end-to-end solution support.

	Cisco	Velocloud	Versa	Silver Peak
Ease of getting started	 <p>SD-WAN Advise and Implement Quick Start accelerates adoption with predefined project scope and budget to simplify implementation with validated best practices. Get centralized 24/7 support from expert engineers and a primary point of contact, accountable from first call to resolution.</p>	 <p>Velocloud's NSX SD-WAN integrates with existing service provider networks for wide-area networking that integrates advanced services through a zero-touch deployment model. Offers a limited free trial evaluation.</p>	 <p>Limited The managed SD-WAN solution has built-in service chaining to easily integrate with existing third-party network and security functions in the branch office. You can schedule a demo, but there are no free trials or quick-start offers.</p>	 <p>Tiered Managed SD-WAN Service allows customers to add or upgrade software capabilities through their service provider. Within the Tiered Managed SD-WAN Service, Silver Peak offers the Unity EdgeConnect SD-WAN Solution that includes service chaining.</p>
Strength of services for security	 <p>Technology-agnostic services create a security strategy to reduce implementation risks. Cisco Advanced Malware Protection (AMP) identifies and stops threats before, during, and after attacks. Business Critical Services provides an end-to-end view of security architecture.</p>	 <p>Limited Virtual service delivery is reliant on the cloud, which presents many security vulnerabilities, challenges, and threats. The Velocloud website is not secure.</p>	 <p>Managed services combine SD-WAN capabilities with a range of security functions using Versa VNFs. Virtual service delivery is reliant on the cloud, which presents many security vulnerabilities, challenges, and threats.</p>	 <p>Uses EdgeConnect simplified service chaining with cloud-based security gateways and next-generation firewall vendors. Virtual service delivery is reliant on the cloud, which presents many security vulnerabilities, challenges, and threats.</p>