cisco.

Terminology

The table below provides an alphabetical listing of VMS acronyms.

Table 1 Terminology

Acronym	Definition
AAA	Authentication, Authorization, and Accounting
ACL	Access List
API	Application Programmable Interface
ARPU	Average Revenue Per User
ASAv	Adaptive Security Appliance - vFW VNF
BGP	Border Gateway Protocol
BSS	Business Support System
CDB	Configuration Database
CFS	Consumer Facing Service
CLI	Configuration Line Interface
CMSP	Cisco Cloud and Managed Service Program
CPE	Customer Premise Equipment (ISR-G2)
CRUD	Create, Read, Update and Delete orchestration operations
CSR	Cloud Service Router - vRouter VNF
cURL	Client URL
DC	Data Center
DCI	Data Center Interconnect
DEST	Destination IP Address
DHCP	Dynamic Host Configuration Protocol
DMVPN	Dynamic Multi-Point Virtual Private Network
DMZ	Demilitarized Zone (Networking private to public)
DNS	Domain Name System
DST	Destination IP Address
EIGRP	Enhanced Interior Gateway Routing Protocol
ESC	Elastic Services Controller
ETS	European Telecommunications Standards
ETSI	European Telecommunications Standards Institute
EzVPN	Easy Virtual Private Network
FW	Firewall
GraphDB	Graph Data Base
GuestOS	Guest Operating System
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Table 1 Terminology

	99
Acronym	Definition
НА	High Availability is
HDR	Header
HTTP	Hypertext Transfer Protocol
I2RS	Interface to Routing System (diagram format)
IKEv2	Internet Key Exchange version 2
Ю	Input/Output
Intrusion Detection	Generally refers to the process of passively analyzing network traffic for potential intrusions and storing attack data for security analysis.
Intrusion Prevention	Includes the concept of intrusion detection, but adds the ability to block or alter malicious traffic as it travels across your network
iOS	Cisco Operating System
IP	Internet Protocol
IPSec	Internet Protocol Secure
ISR	Integrated Service Router
IT	Information Technology
KVM	Kernel-based Virtual Machine
LAN	Local Area Network
ML2	Modular Layer 2
MPLS	Multiprotocol Label Switching
NAT	Network Address Translation
NAT44	Network Address Translation IPv4-to-IPv4
NED	Network Element Driver
NEDs	Network Element Drivers
NETCONF	Network Configuration protocol
NFV	Network Functions Virtualization
NH	Next Hope
NIC	Network Interface Card
NICs	Network Interface Cards
NSO	Network Service Orchestrator
ODL	Open Daylight
OS	Operating System
OSPF	Open Shortest Path First
OSS	Operations Support System
OVS	Open Virtual Switch
PE	Provider Edge
PnP	Plug-N-Play
QEMU	Quick Emulator
QoS	Quality of Service
RA	Remote Access
REST	Representation State Transfer

Table 1 Terminology

RFC Request For Comments RFS Resource Facing Service ROI Return on Investment SA Source Address SDN Solution uses software-defined networking SLA Service Level Agreement SMB Small Medium Business SNMP Simple Network Management Protocol SP Service Provider SRC Source IP Address SSH Secure Shell SSL Secure Sockets layer SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System VFW Virtual Firewall VIM Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machines VMS Virtual Manage Services VNF Virtual Network Function VNFS Virtual Network Functions VNIC Virtual Registry Registrar Protocol WAN Wide Area Network WCPv2 Web Security Appliance WSAV Web Security Appliance WSAV Wet Service Darking Language VML extensible Marking Language VMS Vet Another Next Generation (data modeling) ZTD Zero Touch Deployment	Acronym	Definition
ROI Return on Investment SA Source Address SDN Solution uses software-defined networking SLA Service Level Agreement SMB Small Medium Business SNMP Simple Network Management Protocol SP Service Provider SRC Source IP Address SSH Secure Shell SSL Secure Sckets layer SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System VFW Virtual Firewall VIM Virtual Interface Manager VirtIO Virtual Interface Manager VirtIO Virtual Machine VMS Virtual Machine VMS Virtual Machines VMS virtual Manage Services VMF Virtual Network Function VNFS Virtual Network Functions VNIC Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance VMSA Virtual Registry Appliance VMSA Virtual Resistry Appliance VMSA Virtual Security Appliance VMSA Virtual Security Appliance VMSA Virtual Machine VMSA Virtual Registry Appliance VMSA Virtual Reverse Network VMP Virtual Resistry Appliance VMSA Vet Another Next Generation (data modeling)	RFC	Request For Comments
SA Source Address SDN Solution uses software-defined networking SLA Service Level Agreement SMB Small Medium Business SNMP Simple Network Management Protocol SP Service Provider SRC Source IP Address SSH Secure Shell SSL Secure Sockets layer SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System VFW Virtual Firewall VIM Virtual Interface Manager VirtIO Virtual Input/Output VLAN Virtual Accilane VMS Virtual Machine VMS Virtual Machines VMS virtual Network Function VNFS Virtual Network Functions VNFS Virtual Private Network VPP Vector Packet Parsing VR Virtual Route Forwarding VRRP Virtual Route Forwarding VRRP Virtual Route Forwarding VMS Wide Area Network WCCPV2 Web Cache Communications Protocol WSA Web Security Appliance VMS Vistal Private Network VMS Web Security Appliance VMS Web Security Appliance VMSA Web Security Appliance VMSA Web Security Appliance virtualized VMSA Virtual Private Network VMC VMSA Web Security Appliance virtualized VML eXtensible Marking Language	RFS	Resource Facing Service
SDN Solution uses software-defined networking SLA Service Level Agreement SMB Small Medium Business SNMP Simple Network Management Protocol SP Service Provider SRC Source IP Address SSH Secure Shell SSL Secure Sockets layer SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System VFW Virtual Firewall VIM Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Manage Services VNF Virtual Network Function VNFs Virtual Network Functions VNIC Virtual Network Functions VNIC Virtual Router VPP Vector Packet Parsing VR Virtual Router VRF Virtual Router VRRP Virtual Route Forwarding VRRP Virtual Route Forwarding VSAV Web Security Appliance WSAV Web Security Appliance VSAV Web Security Appliance virtualized XML eXtensible Marking Language VANG Yet Another Next Generation (data modeling)	ROI	
SLA Service Level Agreement SMB Small Medium Business SNMP Simple Network Management Protocol SP Service Provider SRC Source IP Address SSH Secure Shell SSL Secure Sockets layer SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System VFW Virtual Firewall VIM Virtual Interface Manager VirtIO Virtual Input/Output VLAN Virtual Achines VMS Virtual Machines VMS virtual Manage Services VNF Virtual Network Function VNFs Virtual Network Functions VNIC Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Network Pustors VPP Vector Packet Parsing VR Virtual Router VRF Virtual Router VRF Virtual Router VRF Virtual Route Forwarding VRRP Virtual Route Forwarding VRRP Virtual Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAV Web Security Appliance WSAV Web Security Appliance WSAV Web Security Appliance virtualized XML eXtensible Marking Language VANG Yet Another Next Generation (data modeling)	SA	Source Address
SMB Small Medium Business SNMP Simple Network Management Protocol SP Service Provider SRC Source IP Address SSH Secure Shell SSL Secure Sockets layer SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System VFW Virtual Firewall VIM Virtual Interface Manager VirtIO Virtual Input/Output VLAN Virtual Machine VMS Virtual Machine VMS Virtual Machines VMS Virtual Network Function VNFS Virtual Network Functions VNIC Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Router VRP Vector Packet Parsing VR Virtual Router VRP Virtual Registry Registrar Protocol WAN Wie Area Network WSA Web Security Appliance WSAV Web Security Appliance virtualized XML eXtensible Marking Language VANG Yet Another Next Generation (data modeling)	SDN	Solution uses software-defined networking
SNMP Simple Network Management Protocol SP Service Provider SRC Source IP Address SSH Secure Shell SSL Secure Sockets layer SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System VFW Virtual Firewall VIM Virtual Interface Manager VirtIO Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Machine VMS Virtual Manage Services VNF Virtual Network Function VNFS Virtual Network Functions VNIC Virtual Network Functions VNIC Virtual Private Network VPP Vector Packet Parsing VRF Virtual Router VRF Virtual Router VRF Virtual Route Forwarding VRRP Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Security Appliance WSAV Web Security Appliance WSAV Web Security Appliance WSAV Web Security Appliance identifies VANG Vet Noter Pack Generation (data modeling)	SLA	Service Level Agreement
SP Service Provider SRC Source IP Address SSH Secure Shell SSL Secure Sockets layer SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System VFW Virtual Firewall Virtu Virtual Interface Manager VirtlO Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Manage Services VNF Virtual Network Function VNFS Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Route VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAV Web Security Appliance WSAV Web Security Appliance WSAV Web Security Interface Vander VANG Vet Another Next Generation (data modeling)	SMB	Small Medium Business
SRC Source IP Address SSH Secure Shell SSL Secure Sockets layer SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System VFW Virtual Firewall VIM Virtual Interface Manager VirtIO Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Machines VMS virtual Network Function VNFs Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Rotherface VPN Virtual Rotuer VRF Virtual Router VRF Virtual Router VRF Virtual Router VRF Virtual Router VRF Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSAV Web Security Appliance WSAV Web Security Appliance WSAV Web Security Appliance WANG Yet Another Next Generation (data modeling)	SNMP	Simple Network Management Protocol
SSH Secure Shell SSL Secure Sockets layer SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System VFW Virtual Firewall VIM Virtual Interface Manager VirtIO Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Machine VMS virtual Network Function VNFs Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Router VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAV Web Security Appliance WSAV Web Security Appliance virtualized EXEMPLACE AND	SP	Service Provider
SSL Secure Sockets layer SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System vFW Virtual Firewall VIM Virtual Interface Manager VirtlO Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Manage Services VNF Virtual Network Function VNFsVirtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Router VRF Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAV Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	SRC	Source IP Address
SUDI Secure Unique Device Identifier TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System VFW Virtual Firewall VIM Virtual Interface Manager VirtlO Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Machines VMS Virtual Manage Services VNF Virtual Network Function VNFs Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Router VRF Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance WSAv Web Security Appliance WSAV Yet Another Next Generation (data modeling)	SSH	Secure Shell
TCO Total Cost of Ownership TP Termination Point UCS Unified Computing System vFW Virtual Firewall VIM Virtual Interface Manager VirtlO Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Machines VMS Virtual Manage Services VMF Virtual Network Function VNFs .Virtual Network Function VNFs Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Router Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAV Web Security Appliance WSAV Web Security Appliance YANG Yet Another Next Generation (data modeling)	SSL	Secure Sockets layer
TP Termination Point UCS Unified Computing System VFW Virtual Firewall VIIM Virtual Interface Manager VirtlO Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Machines VMS virtual Manage Services VNF Virtual Network Function VNFs .Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Router VRF Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAV Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	SUDI	Secure Unique Device Identifier
UCS Unified Computing System VFW Virtual Firewall VIM Virtual Interface Manager VirtlO Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Machines VMS virtual Manage Services VNF Virtual Network Function VNFs	TCO	Total Cost of Ownership
VFW Virtual Firewall VIM Virtual Interface Manager VirtlO Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMs Virtual Machines VMS virtual Manage Services VNF Virtual Network Function VNFs Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Router VRF Virtual Router Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	TP	Termination Point
VIM Virtual Interface Manager VirtlO Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Machines VMS virtual Manage Services VNF Virtual Network Function VNFs Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Router VRF Virtual Router Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	UCS	Unified Computing System
Virtlo Virtual Input/Output VLAN Virtual Local Area Network VM Virtual Machine VMs Virtual Machines VMS virtual Manage Services VNF Virtual Network Function VNFs .Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Router VRF Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAV Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	vFW	Virtual Firewall
VLAN Virtual Local Area Network VM Virtual Machine VMS Virtual Machines VMS virtual Manage Services VNF Virtual Network Function VNFs .Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAV Web Security Appliance virtualized XML extensible Marking Language YANG Yet Another Next Generation (data modeling)	VIM	Virtual Interface Manager
VMS Virtual Machines VMS virtual Manage Services VNF Virtual Network Function VNFs Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Router Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAV Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VirtlO	Virtual Input/Output
VMS Virtual Manage Services VNF Virtual Network Function VNFs .Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VLAN	Virtual Local Area Network
VMS virtual Manage Services VNF Virtual Network Function VNFs .Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VM	Virtual Machine
VNF Virtual Network Function VNFs Virtual Network Functions VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VMs	Virtual Machines
VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VMS	virtual Manage Services
VNIC Virtual Network Interface VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VNF	Virtual Network Function
VPN Virtual Private Network VPP Vector Packet Parsing VR Virtual Router VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VNFs	.Virtual Network Functions
VPP Vector Packet Parsing VR Virtual Router VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VNIC	Virtual Network Interface
VR Virtual Router VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VPN	Virtual Private Network
VRF Virtual Route Forwarding VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VPP	Vector Packet Parsing
VRRP Virtual Registry Registrar Protocol WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VR	Virtual Router
WAN Wide Area Network WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VRF	Virtual Route Forwarding
WCCPv2 Web Cache Communications Protocol WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	VRRP	Virtual Registry Registrar Protocol
WSA Web Security Appliance WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	WAN	Wide Area Network
WSAv Web Security Appliance virtualized XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	WCCPv2	Web Cache Communications Protocol
XML eXtensible Marking Language YANG Yet Another Next Generation (data modeling)	WSA	Web Security Appliance
YANG Yet Another Next Generation (data modeling)	WSAv	Web Security Appliance virtualized
· · · · · ·	XML	eXtensible Marking Language
ZTD Zero Touch Deployment	YANG	Yet Another Next Generation (data modeling)
	ZTD	Zero Touch Deployment