

Core, SAN & COVID -19 Security

Customer
Lewis County
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Chehalis, WA 98532

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Prepared By
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Data Center Core

Line	Part Number	Description	Price	Qty	Ext. Price
1	C9500-48Y4C-A	Catalyst 9500 48-port x 1/10/25G + 4-port 40/100G, Advantage	\$10,575.00	1	\$10,575.00
2	CON-SNT-C9504YA4	SNTC-8X5XNBD Catalyst 9500 48-port 25/100G only, Adva	\$1,387.44	1	\$1,387.44
3	C9500-NW-A	C9500 Network Stack, Advantage	\$0.00	1	\$0.00
4	S9500UK9-169	UNIVERSAL	\$0.00	1	\$0.00
5	C9K-PWR-650WAC-R	650W AC Config 4 Power Supply front to back cooling	\$0.00	1	\$0.00
6	C9K-PWR-650WAC-R/2	650W AC Config 4 Power Supply front to back cooling	\$945.00	1	\$945.00
7	CAB-9K12A-NA	Power Cord, 125VAC 13A NEMA 5-15 Plug, North America	\$0.00	2	\$0.00
8	C9K-F1-SSD-BLANK	Cisco pluggable SSD storage	\$0.00	1	\$0.00
9	C9K-T1-FANTRAY	Catalyst 9500 Type 4 front to back cooling Fan	\$0.00	2	\$0.00
10	PI-LFAS-T	Prime Infrastructure Lifecycle & Assurance Term - Smart Lic	\$0.00	3	\$0.00
11	PI-LFAS-AP-T-3Y	PI Dev Lic for Lifecycle & Assurance Term 3Y	\$0.00	3	\$0.00
12	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	\$0.00	1	\$0.00
13	C9500-DNA-48Y4C-A	C9500 DNA Advantage, Term License	\$0.00	1	\$0.00
14	C9500-DNA-A-3Y	Cisco Catalyst 9500 DNA Advantage 3 Year License	\$5,445.00	1	\$5,445.00
To Central Shop					
15	CWDM-SFP10G-1550-EO	Equal Optics 10GBASE CWDM 1550nm 40km SMF 1550nm SFP+ w/DOM	\$3,398.70	1	\$3,398.70
For existing Court House Connection					
16	SFP-10G-SR-S=	10GBASE-SR SFP Module, Enterprise-Class	\$327.60	1	\$327.60
Juvenile					
17	SFP-10G-LR-S=	10GBASE-LR SFP Module, Enterprise-Class	\$935.55	1	\$935.55
Patch Cables					
18	CEX-C628BLCBT-05F	Patch Cables - LC to LC and SC & SC	\$24.00	4	\$96.00

Data Center Core

Line	Part Number	Description	Price	Qty	Ext. Price
19	EdDiscount-M	First Time Customer and Loyalty discount For Core Switch	(\$11,000.00)	1	(\$11,000.00)
Data Center Core Subtotal					\$12,110.29

SAN

Line	Part Number	Description	Price	Qty	Ext. Price
20	N3K-C3172TQ-10GT	Nexus 3172T 48 x 1/10GBase-T and 6 QSFP+ ports	\$9,407.25	1	\$9,407.25
21	CON-SNT-3172T10T	SNTC-8X5XNBD Nexus 3172T 48 x 1/1	\$786.22	1	\$786.22
22	N3K-BAS1K9	Nexus 3000 Base License	\$0.00	1	\$0.00
23	N3K-C3064-ACC-KIT	Nexus 3K/9K Fixed Accessory Kit	\$0.00	1	\$0.00
24	NXA-FAN-30CFM-F	Nexus Fan, 30CFM, port side exhaust airflow	\$0.00	4	\$0.00
25	NXOS-9.2.2	Nexus 9500, 9300, 3000 Base NX-OS Software Rel 9.2.2	\$0.00	1	\$0.00
26	NXA-PAC-500W	Nexus sw 500W AC PSU, Forward AF (port-side exhaust)	\$0.00	2	\$0.00
27	CAB-9K12A-NA	Power Cord, 125VAC 13A NEMA 5-15 Plug, North America	\$0.00	2	\$0.00
28	QSFP-H40G-CU3M=	QSFP to SFP10G adapter	\$179.55	1	\$179.55
SAN Subtotal					\$10,373.02

2130 FW - IPS Only - COVID-19

Line	Part Number	Description	Price	Qty	Ext. Price
29	FPR2130-NGFW-K9	Cisco Firepower 2130 NGFW Appliance, 1U, 1 x NetMod Bay	\$13,497.75	1	\$13,497.75
30	CON-SNT-FPR2130W	SNTC-8X5XNBD Cisco Firepower 2130 NGFW Appliance, 1U,	\$1,968.00	1	\$1,968.00
31	FPR2130T-T	Cisco FPR2130 Threat Defense Threat Protection License	\$0.00	1	\$0.00
32	L-FPR2130T-T-3Y	Cisco FPR2130 Threat Defense Threat Protection 3Y Subs	\$6,480.00	1	\$6,480.00
33	FPR2K-PWR-AC-400	Firepower 2000 Series 400W AC Power Supply	\$1,125.00	1	\$1,125.00
34	CAB-AC	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	\$0.00	2	\$0.00
35	SF-F2K-TD6.3-K9	Cisco Firepower Threat Defense software v6.3 for FPR2100	\$0.00	1	\$0.00
36	FPR2K-SSD200	Firepower 2000 Series SSD for FPR-2130/2140	\$0.00	1	\$0.00
37	FPR2K-SLIDE-RAILS	Firepower 2000 Slide Rail Kit	\$0.00	1	\$0.00
38	FPR2K-CBL-MGMT	Firepower 2000 Cable Mgmt Brackets	\$177.75	1	\$177.75
39	FPR2K-NM-BLANK	Firepower 2000 Series Network Module Blank Slot Cover	\$0.00	1	\$0.00
40	FPR2K-FAN	Firepower 2000 Series Fan Tray	\$0.00	1	\$0.00

2130 FW - IPS Only - COVID-19

Line	Part Number	Description	Price	Qty	Ext. Price
41	FPR2K-PWR-AC-400	Firepower 2000 Series 400W AC Power Supply	\$0.00	1	\$0.00
42	FPR2K-SSD-BBLKD	Firepower 2000 Series SSD Slot Carrier	\$0.00	1	\$0.00
43	SFP-10G-SR-S=	Cisco 10GBASE-SR SFP+ Module for MMF - For Data Networking, Optical Network10	\$327.60	2	\$655.20
CDO - 3 Year License					
44	L-FPR2130-P-3Y	Cisco Defense Orchestrator for Firepower 2130 3yr subscr	\$1,617.75	1	\$1,617.75
45	L-FPR2130-P=	Cisco Defense Orchestrator for Firepower 2130	\$0.00	1	\$0.00
Security Analytics and Logging: 36 Months Pre-Paid Term					
46	SAL-SUB	Cisco Security Analytics and Logging: 36 months Annual	\$0.00	1	\$0.00
47	SVS-SAL-SUP-B	Basic Support for Security Analytics and Logging	\$0.00	1	\$0.00
48	SAL-CL-LT-1GB	Cisco SAL, Logging and Troubleshooting, 1GB/Day Vol - Qty 5	\$4,865.40	1	\$4,865.40
49	SAL-CL-LT-OVRG	Cisco SAL, Logging and Troubleshooting, Overage	\$49.58	1	\$49.58
2130 FW - IPS Only - COVID-19 Subtotal					\$30,436.43

Umbrella - 36 Months Pre-Paid - COVID-19

Line	Part Number	Description	Price	Qty	Ext. Price
Pre-Paid Full Term: From 7/1/2020 - 6/30/2023					
50	UMBRELLA	Umbrella - 36 Months Pre-Paid	\$37,855.20	1	\$37,855.20
Umbrella - 36 Months Pre-Paid - COVID-19 Subtotal					\$37,855.20

AMP For Endpoints - 36 Months Pre-Paid - COVID-19

Line	Part Number	Description	Price	Qty	Ext. Price
Pre-Paid Full Term: From 7/1/2020 to 6/30/2023					
51	AMP For Endpoints	AMP - 36 Months Pre-Paid	\$35,379.50	1	\$35,379.50
AMP For Endpoints - 36 Months Pre-Paid - COVID-19 Subtotal					\$35,379.50

Ednetics Services

Line	Part Number	Description	Price	Qty	Ext. Price
Core and Firewall					

Ednetics Services

Line	Part Number	Description	Price	Qty	Ext. Price
52	NETWORK-PROJECT-I	Local Area Network: Project-based IT Professional Services.	\$9,600.00	1	\$9,600.00
53	NETWORK-PROJECT-I	Firewall: Project-based IT Professional Services.	\$12,500.00	1	\$12,500.00
Umbrella and AMP Setup					
54	NETWORK-PROJECT-I	Security > Cloud Security: Project-based IT Professional Services. Umbrella	\$3,093.00	1	\$3,093.00
55	NETWORK-PROJECT-I	Security > Endpoint Security Project-based IT Professional Services. AMP	\$3,867.00	1	\$3,867.00
Ednetics Services Subtotal					\$29,060.00

Quote Summary

Data Center Core	\$12,110.29
SAN	\$10,373.02
2130 FW - IPS Only - COVID-19	\$30,436.43
Umbrella - 36 Months Pre-Paid - COVID-19	\$37,855.20
AMP For Endpoints - 36 Months Pre-Paid - COVID-19	\$35,379.50
Ednetics Services	\$29,060.00
Subtotal	\$155,214.44
Tax	\$12,727.60
Total	\$167,942.04

Delivery of products will be considered complete and invoiced upon delivery. Customer will be invoiced for service and installation upon completion of service unless otherwise stated. Payment terms are net 30 days unless contract terms specify otherwise. Payments that are past due may be charged the lower of 1.5% interest monthly, or the highest rate permitted by law. These prices do NOT include applicable taxes, insurance, shipping, delivery, setup fees, cabling services or material unless specifically listed above. All prices are subject to change without notice. Supply subject to availability.

A payment and performance bond is not included in this quote unless specifically stated. A performance bond can be provided at an additional 1.5% of the after tax total.

Please submit your PO to: orders@ednetics.com or fax to: (208) 777-4708



Project Services

EDNETICS PROJECT
Lewis County Core and Security
Upgrade

Lewis County
Jeremy Mannikko, ITS4 Network Engineer
360 NW North Street · Chehalis, WA 98532

Network Project Scope

Description

Ednetics will stage and configure a Cisco 9500-48Y4C layer 3 switch for install at the core site within the Lewis County network. An IP schema with a distributed routing design will be included for future expansion. Inter-site links will be 10G utilizing existing fiber infrastructure and CWDM technology. Ednetics will also install a Nexus 3K switch for datacenter connectivity to the new core. Ednetics will work with the Customer to develop an updated IP schema and VLAN structure, among other best practices on switching configurations.

Ednetics will install and configure a new Cisco Firepower 2130/FTD firewall. The FirePower 2130 will replace the existing security appliance in place today. Hardware is compatible with both ASA code and future releases of Firepower Threat Defense code. Ednetics will work with the Customer to audit the current firewall configuration, make any necessary changes and then migrate the configuration to the new firewall. Ednetics will setup and configure Cisco Defense Orchestrator and Security Analytics and Logging for management, administration and policy configuration and will integrate it with the 2130. Ednetics will provide project management including all scheduling and coordination.

Ednetics will remotely configure the Lewis County environment for Cisco Umbrella. This project includes installation of Umbrella Virtual Appliance (VA) on new, dedicated Virtual Machines (VMs). Firewall rules will be created to restrict any outbound DNS traffic, only allowing access for Umbrella servers. The project includes verification of Umbrella services and internal name resolutions. All configurations and training are to be performed remotely over VPN/WebEx.

Ednetics will remotely configure Cisco AMP for Endpoints dashboard for Lewis County. Ednetics will configure base level policies, white list, black list, groups, and management in the dashboard. Ednetics will configure audit mode policies for testing purposes during the project and work with the customer to migrate the test endpoints to protect mode policies for production and deployment of endpoint security. Customer is responsible for deploying the endpoint connector to all end points, leveraging software deployment packages where possible. All training, testing and configuration will be performed remotely and via Webex.

General - IT

CUSTOMER RESPONSIBILITIES

Planning

- Provide any necessary wiring including cable testing, tracing, labeling, and new cabling.
- Ensure availability of necessary electrical facilities including power outlets, Uninterrupted Power Supplies, etc, able to support incoming hardware.
- Provide any necessary environmental facilities including air conditioning, proper ventilation, etc..
- Ensure availability of necessary racks and rack space for new project equipment.
- Complete any Ednetics-provided customer information templates.
- Provide a technical resource for any necessary coordination of remote and on-site planning, installation, configuration, and testing during the project.
- Provide Ednetics with a fully functional IPSEC remote access VPN into the network for the life of the project and any subsequent support contracts.
- Consent to a Materials Staging Agreement allowing Ednetics to receive project-related equipment for staging at Ednetics' facilities.
- Provide an authorized weekday outage window to perform the installation of equipment
- Provide any available network diagrams/documentation to assist in configuration of the infrastructure.

Staging

- Provide desired credentials for administrative login and management of project equipment.



Network Project Scope (continued)

- Associate/Allow Ednetics profiles access to manufacturer licensing and contract portals

Implementation

- Coordinate with third party regarding project implementation, such as Internet Service Provider.

Testing and Training

- Disposal or recycle of legacy, non-functioning, or obsolete equipment.
- Provide feedback to project team and complete post-project customer satisfaction survey.

EDNETICS RESPONSIBILITIES

Planning

- Work with Customer to determine an appropriate pre- and post-upgrade test plan.
- Work with Customer to determine project equipment IP addresses and network parameters.
- Work with Customer to determine any required VLANs, IP Schema, access lists, or traffic shaping requirements.
- Work with Customer to determine desired settings and configuration.
- Work with Customer to plan a consistent naming convention for new equipment labeling and management.
- Work with Customer to schedule a service outage window for network configuration and implementation including removal and testing.

Staging

- Receive all project-related equipment at our facilities for staging and configuration.
- Create a detailed asset sheet of all inventoried project equipment involved in the installation.
- Obtain, apply and verify all product licensing to project equipment
- Obtain any necessary recommended software versions for project equipment.
- Label all project equipment with Ednetics- or Customer-specified labeling preferences.
- Power on and burn-in each piece of project equipment received for installation.

Configuration

- Ensure all project equipment is running a consistent, updated software version.

Implementation

- Install network equipment into existing racks during authorized time window, ensuring proper communication and functionality.
- Verify all installed project equipment is uplinked and communicating properly.
- Complete on-site programming and make any final changes to system data.

Testing and Training

- Perform predetermined test plan according to pre- and post-upgrade requirements.
- Provide project closeout documentation including configuration backups, asset sheets, network diagrams, and any other relevant project information.
- Provide thirty (30) days of up and running technical support for installed network equipment operation and configurations performed during the project.
- Provide up to one (1) hour of knowledge transfer webinar on the operation of new network infrastructure.

Local Area Network - IT

EDNETICS RESPONSIBILITIES

Planning

- Work with Customer to determine any special quality of service (QoS) needs.



Network Project Scope (continued)

Configuration

- Configure project equipment to implement the specified Layer 2 design.
- Configure project equipment to implement the specified Layer 3 design.
- Apply Quality of Service (QoS) configurations in accordance with Ednetics best practices and customer requirements.
- Configure switch ports with descriptions and access for special services as necessary.

Implementation

- Patch project equipment into the network using existing terminations according to customer preference.

Security > Cloud Security - IT

CUSTOMER RESPONSIBILITIES

Planning

- Provide Ednetics with remote access to the existing DNS servers, and virtual environment.
- Provide minimum two, up to four, compatible VMs for installation of the Umbrella Virtual Appliance, in accordance with the Umbrella VA hardware requirements.

EDNETICS RESPONSIBILITIES

Planning

- Document any pre-existing DNS settings in the event the Customer wishes to return to their old settings.
- Work with the Customer System Administrators to create a test plan for verification of DNS, internal and external.

Staging

- Assist in initiating a 14-day free trial of Umbrella services, if applicable.

Configuration

- Configure DNS forwarding on the existing Customer DNS Servers.
- Configure firewall rules to block any outbound DNS traffic not destined for Umbrella servers.
- Verify Root Hints are disabled in the event that no DNS forwarders are available.
- Update existing DHCP scope options with DNS information pointing to the Umbrella Virtual Appliances.

Testing and Training

- Test external DNS resolutions by browsing to the Umbrella welcome page.
- Verify external DNS traffic destined to non-Umbrella servers are blocked.
- Test internal DNS resolutions by browsing to an internal host by hostname.

Security > Endpoint Security - IT

CUSTOMER RESPONSIBILITIES

Planning

- Permit Ednetics access to AMP for Endpoint dashboard for initial setup and configuration

Implementation

- Deployment of AMP for Endpoint connector on end user devices.

EDNETICS RESPONSIBILITIES

Configuration

- Configure base level end user and service policies in audit mode

Network Project Scope (continued)

Implementation

- Deploy AMP for Endpoints on a single test endpoint for policy verification

Testing and Training

- Review policies with Customer and demonstrate how to adjust policies, quarantine, white and black lists.
- Work with customer to test AMP for Endpoint policies and move test endpoints from audit to protect mode.

Security > Firewall - IT

CUSTOMER RESPONSIBILITIES

Staging

- Review the firewall audit with Ednetics to confirm network vulnerabilities and items outside of best practice.

EDNETICS RESPONSIBILITIES

Planning

- Work with Customer to determine the schedule for the firewall cut-over (scheduled off-hours maintenance window).

Staging

- Obtain updated code for ASA, ASDM and FX-OS (latest recommended versions).
- Perform a firewall audit for network vulnerabilities and items outside of best practice.

Implementation

- Implement the configuration audit results and best practices to develop a new configuration for the firewall.

Testing and Training

- Provide up to two (2) hours of knowledge transfer webinar on the operation of new security infrastructure and management.