

State of West Virginia
Department of Education

CDW•G Response to
Request for Quote EDD327891
Internet Filtering and Reporting
(Due May 19th, 1:30 PM)

CDW Government LLC
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May 12, 2010

Department of Administration
Purchasing Division
Building 15
2019 Washington Street, East
Charlestown, WV 25305-0130

Subject: Request for Quote EDD327891, Internet Filtering and Reporting

Dear Ms. Shelly Murray,

The State of West Virginia Department of Education (WVDE) is seeking a partner to provide an internet filtering and reporting solution for its K-12 public schools. CDW Government LLC (CDW•G), with its partner Cisco Systems Inc. (Cisco), is pleased to propose a combined IronPort and ScanSafe solution. We are confident that this solution will meet your critical needs and economic drivers in this sensitive application for the following reasons.

- **Unparalleled capabilities and technical certifications.** CDW•G's partnership with Cisco is unique for its depth and diversity. As a Gold Partner of both IronPort and Cisco our institutional knowledge, enumerated in our Executive Summary, is unmatched among offerors.
- **Purpose-built, world-class filtering and reporting solutions.** The IronPort Web Security Appliance (WSA) is an elite device and, when combined with the mobile filtering and monitoring capabilities of the ScanSafe solution, will provide rigorous control while maintaining throughput in multiple possible configurations
- **Dedicated support and customized services.** Your CDW•G account team and Cisco's professional services arm are aligned to collaboratively augment this solution to meet your exact specifications.

As the WVDE already knows, the online safety and security the student body is of paramount importance. Therefore, the solution we present will comply at or above the requirements of the Children's Internet Protection Act (CIPA), the Children's Online Privacy Protection Act (COPPA), and the West Virginia Board of Education Policy 2460.

Should you have questions regarding our response, or need assistance or clarification on any component, please contact your Proposal Specialist Charlie Hall by email at charhal@cdw.com, by phone at (866) 622-6279, or by fax at (847) 968-1824.

Sincerely,

Maureen O'Connell
Manager, Proposals
CDW Government LLC

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Executive Summary

The West Virginia Department of Education (WVDE) is seeking a partner to provide an internet filtering and reporting solution for its entire user base, some 140,000 endpoints, including mobile users. The evaluation of proposals will focus on the ability of the solution to meet WVDE's requirements while providing the greatest total value.

CDW Government LLC (CDW•G) and its partner Cisco Systems Inc. (Cisco) have crafted a complete solution intended to provide the students and staff of WVDE with the most secure and manageable internet experience available.

CDW•G's Cisco solution is designed to support WVDE's mission to operate and deliver services efficiently and effectively, while maintaining the safety of online interactions for students and staff.

Proven Technical Solutions

As a vendor neutral reseller, CDW•G had its choice of technology partners to create a customized solution for WVDE. In choosing Cisco, CDW•G has assured WVDE they will be partnering with the world leader in web filtering, custodian to a stable of solutions that are currently protecting millions of devices world-wide. Among them are eight of the ten largest internet service providers and corporations in the world, as well as public and governmental entities from the U.S. Army to the U.S. Department of Education. The holistic solution CDW•G has designed for WVDE features a blended approach combining IronPort and ScanSafe technologies.

As the pioneer of the concept of "reputation filtering," IronPort creates a safe, seamless experience for the end user while providing a rich toolset and transparent controls for administrators. Inside or outside school walls ScanSafe protects mobile users, regardless of their connection type. Eschewing a VPN, ScanSafe uses an extremely light driver that is invisible to the user and impervious to tampering, while leveraging its "software as a service" model to ensure that its remotely managed systems are always on.

Leading Networking Technology Partners

CDW•G is an elite Cisco partner fully authorized to sell the IronPort and ScanSafe solutions, as shown in Appendix H by our letter of authorization. Furthermore, we are among the few Gold IronPort partners in the country. Add the following Cisco credentials (and those found in Appendix A) and know that, in selecting CDW•G, WVDE will be partnering with the leader in customized networking infrastructure.

- Cisco Gold Certified Partner employing over 52 CCIEs, 13x the required number
- IronPort Gold Certified Partner
- Cisco Master Security Specialization
- Cisco Advanced Wireless LAN Specialization
- Winner of the Cisco U.S. and Cisco Canada Partner of the Year award in 2010

Collaborative Professional Services Support

CDW•G and Cisco realize that not all educational customer's needs are the same. In our experience there is always some level of customization required to meet organizational goals and protect a given student body. Therefore, we are proud to supplement our solution



with a statement of work for a collaborative engagement whose end goal is to perfect this solution to meet WVDE's unique needs.

Summary

The size of WVDE's proposed implementation is matched only by the great sensitivity of the need, and we have taken both into consideration when crafting this solution. Together, with our Cisco partners, IronPort and ScanSafe, we are confident that we represent the very best solution in front of your committee. If there are any questions or concerns, please do not hesitate to contact your Proposal Specialist, Charlie Hall. We look forward to being an integral part of educating your students in 21st century skills and learning through the power of the internet, safely and securely.



Tab I

Introduction

Introduction

The West Virginia Department of Education (WVDE) is soliciting quotations for an **internet filtering and reporting** solution that consists of software, licensing, software upgrades/updates, database updates and technical support. The vendor has the option to include servers or appliances and associated costs in the quotation if the vendor's software will not meet the requirements of this RFQ when installed on WVDE owned servers which are described in Section I-Current Environment.

Throughout this Request for Quotation (RFQ) the term "filtering solution" is used to refer to all vendors provided software and hardware used to perform Internet filtering and reporting functions, including but not limited to application software, operating system and database software.

The terms "server" and "servers" are used to refer to the hardware or appliances on which any component of the filtering solution is installed.

Every statement of this RFQ that includes the word "must" or "shall" is a mandatory requirement. A vendor should not submit a bid if the filtering solution cannot meet every mandatory requirement.

The products and services that are bid **must** be capable of providing a level of service appropriate for Internet Service Provider (ISP) facilities with 3 gigabits of Internet bandwidth. School based or district based filtering solutions are not an acceptable response to this RFQ.

The WVDE currently has two independent Internet connections for the K-12 public schools. Internet filtering solutions **must** be installed at both Points of Presence (POP). Because of the diverse needs of schools, the WVDE **must** have selective filtering levels and capabilities for delegated administration of tailored filtering policies or profiles for different subnets. Updates to the filtering solution **must** be provided at least once each day to ensure that the filtering database is up-to-date using multiple methods and resources for the review of content on Internet sites. The Internet filtering **must** meet the requirements of the E-rate program (refer to <http://www.sl.universalservice.org/>) and the West Virginia Board of Education Policy 2460 that is available online at

<http://wvde.state.wv.us/policies/p2460.html>.

Information relevant to the Children's Internet Protection Act (CIP A) and the Federal requirement to implement Internet filtering is detailed at the URL

<http://www.fcc.gov/cgb/consumerfacts/cipa.html>.

The Children's' Online Privacy Protection Act (COPPA) **must** not be violated by any requirements of the filtering solution to collect personal information about students. Refer to <http://www.ftc.gov/coppa/> for information about COPPA.

CDW•G Response:

CDW•G and its partners have reviewed the above sites and policies in detail and are able to comply with each of the above stipulations with our enclosed solution.



Tab II

Section I Current Environment

Section I – Current Environment

Approximately 700 public schools in 57 school districts of West Virginia are connected with a privately addressed TCPIIP statewide network. The network uses the private Class A range of 1 0.0.0.0 IP addresses. The POPs are equipped with Cisco 6513 switches that contain Cisco router and Cisco PIX firewall modules that route and translate the private IP addresses to OUI Class B 168.216.0.0 public network IP addresses. A Packeteer appliance is used to manage bandwidth. The Internet filtering **shall** be done at the two POPs where the K-12 network is routed to the ISP. The POPs are located in the \\TYNET facilities in Morgantown, WV and in the IS&C facilities at Building 6 of the State Capitol Complex at Charleston, WV. Each one of the two POPs connects approximately 70,000 unique computers to the Internet with 3 gigabits/second of bandwidth.

POP Site #1 Charleston, WV, is equipped with the following WVDE owned servers on which the filtering solution may be installed.

8 (eight) Dell 2850 servers with following specifications:
3 GHz XEON Processor with 2 MB cache, 2 GB DDR2 dimm, dual 73GB scsi drives in mirrored RAID, dual onboard gigabit copper ethernet NICs.

1 (one) Dell 2850 servers with following specifications:
3 GHz ZEON Processor with 2 MB cache, 2 GB DDR2 dimm, dual 73GB scsi drives in mirrored RAID, dual onboard gigabit copper ethernet NICs, and one 1 TB storage for reports and log files.

POP Site #2 Morgantown, WV, is equipped with the following WVDE owned servers on which the filtering solution may be installed:

8 (eight) Dell 2850 servers with following specifications:
3 GHz XEON Processor with 2 MB cache, 2 GB DDR2 dimm, dual 73GB scsi drives in mirrored RAID, dual onboard gigabit copper ethernet NICs.

1 (one) Dell 2850 servers with following specifications:
3 GHz XEON Processor with 2 MB cache, 2 GB DDR2 dimm, dual 73GB scsi drives in mirrored RAID, dual onboard gigabit copper ethernet NICs, and one 1 TB storage for reports and log files.

If the servers described above are not adequate to support the vendor's filtering solution, the vendor **must** include appropriate servers or appliances and associated costs in the response to this RFQ.

CDW•G Response:

CDW•G and its partners acknowledge the above materials. We will not require any WVDE provided servers. The IronPort WSA is an appliance based hardware and software solution. Reporting for the WSA will need to be on servers other than those offered above, defined later under Tab VI. Alternately, the small drivers required for the ScanSafe Anywhere+ software will be directly loaded to the roaming computer. All management and reporting for ScanSafe clients will accessed from a web portal and will not utilize WVDE provided servers.

The total number of computers to be filtered is approximately 140,000 computers. The Internet filtering **must** occur at the point in the network after which the K-12 core routers

consolidate Internet traffic but before the firewall dynamically changes the private IP addresses to public IP addresses as shown in the diagram on attachment A. The filtering servers and reporting servers **must** operate within the scope of the K-12 private network so that filtering control and reporting will reflect the private IP addresses of the client computers. In the event that portable computers are connected to residential, public, or other networks, an option must be available to provide continued filtering of Internet websites. No caching appliances are currently in use: however the Internet filtering solution must support the option for the WVDE to install caching appliances.

CDW•G Response:

CDW•G and its partners have reviewed the above needs and will present a solution that complies with your network design.



Tab III

Section II Technical Requirements

Section II – Technical Requirements

General

The vendor bid **must** provide an Internet filtering solution capable of filtering 140,000 total computers in a network consisting of two POPs. The solution **must** be configured to support 70,000 client computers using 3 gigabits/sec of band width at each POP.

CDW•G Response:

The solution we present will comply.

A fast web proxy is the foundation for security and Acceptable Use Policy (AUP) enforcement. It allows for deep content analysis, which is critical to accurately detect devious and rapidly mutating web-based malware. Integral to the IronPort solution we present is a proprietary operating system, AsyncOS, whose web proxy includes an enterprise-grade cache file system. This system efficiently returns cached web content through intelligent memory, disk, and kernel management to ensure high performance and throughput for even the largest of networks.

The vendor **must** provide evidence of at least one current, successful installation of the Internet filtering solution in a network configuration servicing 70,000 computers with 3 gigabits/second of Internet bandwidth.

CDW•G Response:

CDW•G and our partners will be able to accommodate this request once an NDA agreement is in place between WVDE and our companies. The type of security solution a customer operates is highly sensitive information and divulging that information can create risks. With an NDA in place we will be able to uphold the confidence our largest customers place in us.

The filtering solution **must** be a POP based installation; a filtering solution which involves the installation of filtering software or hardware school districts or individual schools is not acceptable.

CDW•G Response:

CDW•G and our partners will comply as the solution does not require the installation of software or hardware with individual schools or districts. The proposed IronPort solution can accommodate your network design in a number of ways. The IronPort web proxy services, monitors, and controls traffic that originates from clients (including individual computers or servers) on the internal network. Typically, the web proxy is deployed between clients and the firewall where it intercepts requests for content from clients to outside web servers as shown in Figure 1 below.

The web proxy can be configured as a transparent proxy or a forward proxy.

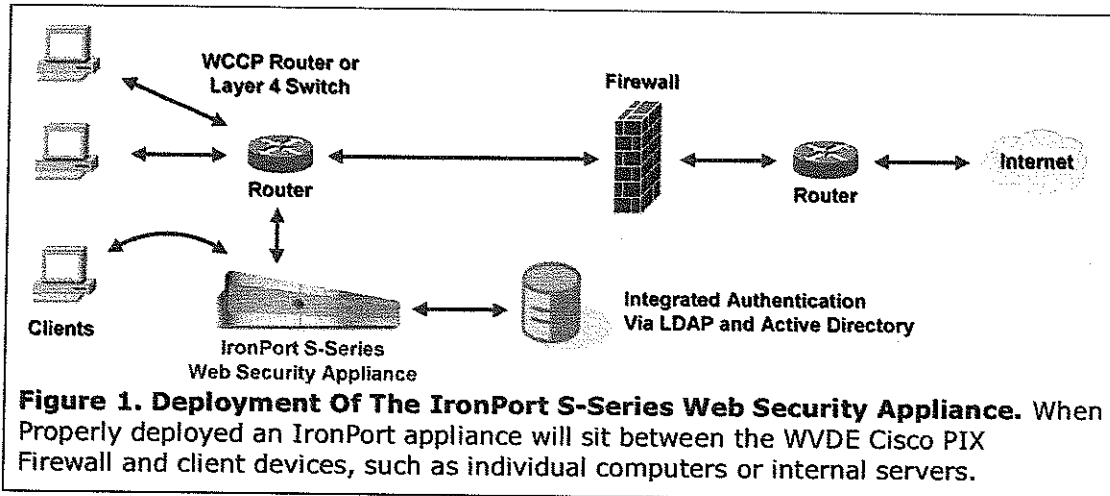
Transparent Proxy

When configured as a transparent proxy an IronPort S-Series appliance is invisible to client devices. Connections to the web are, by design, funneled directly through the device. Client applications, such as web browsers, do not have to be configured to accommodate the appliance. Additionally, a transparent configuration eliminates the possibility of users

reconfiguring their web browsers to bypass the appliance without the knowledge of a WVDE administrator.

Forward Proxy

When configured as a forward proxy an IronPort S-Series appliance acts on behalf of client web browsers to handle requests for origin servers.



The vendor **must** provide Internet filtering and reporting application software and all necessary supporting software including, but not limited to, operating system and database software.

CDW•G Response:

The solution we present will comply.

The Internet filtering solution **must** meet the requirements of this RFQ using servers/appliances provided by the vendor or when installed on the WVDE owned equipment identified in Section I - Current Environment.

CDW•G Response:

The solution we present will comply.

The WVDE will provide server hardware, equipment racks, networking components and cabling as specified in Section I - Current Environment.

CDW•G Response:

We acknowledge the above.

The filtering solution **must** support gigabit speed, copper based, Ethernet network interfaces.

CDW•G Response:

The solution we present will comply.

The filtering solution **must** not exceed a total of 12 servers or appliances at each POP.

CDW•G Response:

The solution we present will comply. Please see the completed Cost Worksheet under Tab VI.

The total of all hardware components of the filtering solution for each POP **must** be rack mountable and not occupy more than 24 units of rack space (about 48") at each POP site. The equipment **must** operate on 110-120 Volts AC power.

CDW•G Response:

The solution we present will comply.

In the event the winning bid does not meet the requirements of this RFQ when installed on vendor provided server/appliances or on the existing equipment identified in Section 1-Current Environment, the vendor **must** provide additional servers and any other associated installation, shipping, labor and configuration expenses at no cost to the WVDE or the contract will be immediately terminated.

CDW•G Response:

We acknowledge the above.

There **must** be no requirement for any configuration changes of any networking equipment or computers that are connected to the private WV K-12 network at the school districts or individual schools.

CDW•G Response:

The solution we present will comply. See the discussion of implementation and configuration on page 9, as well as Figure 1 on page 10.

The filtering solution **must** provide client software which can be installed on mobile computers that will enforce the same filtering parameters whether a mobile computer is connected to the WV K-12 network or connected by wired or wireless networking to the Internet via any other Internet service provider. The client software **must** not be a VPN (virtual private networking) or similar type of client and **must** not rely on a web browser setting such as a proxy server configuration.

CDW•G Response:

The solution we present will comply.

WVDE's mobile computers will utilize Cisco ScanSafe web security by deploying Anywhere+, the world's first web software as a service (SaaS) solution for roaming users. Anywhere+ is a small driver which transparently redirects all web traffic to the geographically closest Cisco ScanSafe web security service tower and applies the same Acceptable Usage Policy and malware scanning to users, whether they are in the school or out at another public or private access point. Anywhere+ also ensures that all data is private, even when a user is visiting a non-encrypted page, by tunneling all web traffic over SSL.

Because Anywhere+ is only a driver, and all processing is done in the cloud (meaning within servers maintained remotely by Cisco ScanSafe), the system resources required by an

individual mobile computer are minimal. Furthermore, the solution requires no updates to be downloaded to the mobile computer.

The driver is only a few megabytes and when running, the service uses minimal CPU and memory. Anywhere+ incorporates a proxy traversal mechanism, not a VPN, which ensures that the SSL tunnel is transparently maintained regardless of whether the end-user is working at home, in a wireless hotspot, via a 3G modem, or behind a third party proxy. Anywhere+ also features a secure "detect-on-LAN" facility which administrators can use to deactivate tunneling behavior when users are within the WVDE physical network.

Anywhere+ features centralized configuration, which will allow WVDE administrators to set preferences centrally via a portal. There is no need to download these settings to or perform an update on a mobile computer. A user simply experiences these changes when they next connect to the web, wherever they are.

Lastly, the service is tamper-resistant. While WVDE users cannot easily circumvent it, Anywhere+ can allow for users to have some control over how it operates. The Anywhere+ client also transmits out-of-band telemetry data which is logged and reported in the portal so that administrators are aware of attempts to circumvent the service.

ScanSafe offers a selection of URL categories comparable to the IronPort device. Additional websites can be blocked/allowed on a URL basis to mirror the IronPort device.

The filtering solution **must** have the capability to filter based on the IP address of the client computer and not require user authentication.

CDW•G Response:

The solution we present will comply.

The IronPort solution will provide WVDE with Web Access Policies, which combine Policy Groups and IronPort Uniform Resource Locator (URL) filters to provide a variety of options for controlling user access to the web, and are additionally able to impose restrictions inside the WVDE network itself.

Policy Groups will allow WVDE administrators to create groups of users and apply different levels of category-based access control to each group. The functionality will also allow WVDE to configure per-group filtering using settings respective to S-Series filtering components, which include applications, URL categories, objects, web reputation, and anti-malware. Such granular control gives you the flexibility to enforce a quantifiable level of security on a specific set of client devices, and a Global Policy Group to unite them all.

Creating Policy Groups is likewise a flexible process. WVDE will be able to group users and define membership criteria based on authorization properties such as client IP address or range, authenticated username, authorization group, or IP address destinations or range.

Being that ScanSafe clients will be located in numerous locations without a static set of IP networks to filter on, it is assumed that remote users will not be filtered in this manner.

The filtering solution **must** have the capability to be integrated with unified authentication systems such as LDAP and Active Directory service.

CDW•G Response:

The solution we present will comply.

The IronPort S-Series supports multiple authentication and directory integration schemes including NTLM v1, NTLM v2, Lightweight Directory Access Protocol (LDAP), Secure LDAP, NTLM SSP, and NTLM Basic. This will allow WVDE to integrate the product relative to your existing framework, and adapt that integration as your framework changes.

Unlike some other existing web gateway products, NT LAN Manager (NTLM)-based authentication is supported natively and does not require any binaries/packages to be installed on an Active Directory server or an external server.

In addition, an IronPort appliance offers integration with Single Sign On (SSO) infrastructures to ensure no change to user experience when the solution is initially activated.

Because of these features web access is able to be logged by username and not simply by IP address. In this way internet activity can be positively linked to the individual.

In ScanSafe Anywhere+ Enterprise Mode, you can use a single authentication key at the organization or group level. The Anywhere+ client will then get the domain username and the active directory groups from the PC directly and cache this information. This information will be included with the web requests just as if the user was inside the WVDE environment. The Anywhere+ client will regularly check to see if the user information has changed, both the logged-in user and the associated groups. If the information has changed, the configuration file will be automatically updated and then all subsequent requests to the scanning infrastructure will use the new user/group details.

The Internet filtering solution **must** be engineered and operate with redundancy such that the failure of one server or appliance at a POP will not reduce the capability to provide filtering for 70,000 computers at 3 gigabits/sec of throughput.

CDW•G Response:

The solution we present will comply.

IronPort S-Series supports stateful failover through active-active deployment configurations with L4 switches & WCCP routers. With an L4 switch deployment, a starbased cluster of NxN S-Series can be deployed to ensure high availability at all times. The S-Series supports WCCP v2 and can be deployed in a 32x32 mesh-based cluster (each S-Series connecting up to 32 WCCP routers & each WCCP router connecting up to 32 S-Series) to ensure massive scalability & redundancy.

As a software as a service (SaaS) provider, Cisco's ScanSafe is responsible for the platform, removing the requirement for you to deploy, maintain, support and update the hardware and software supporting remote client filtering. ScanSafe scanning towers are based on a purpose built, multi-tenant internet service architecture which uses parallel processing to scan and filter huge volumes of web traffic at high speed. Our dynamic architecture delivers in scale and quality of security, and utilizes globally distributed datacenters on four continents alongside multiple high speed network providers to ensure a fast, seamless web

experience for users. The extensive built-in redundancy together with our continual focus on operational security and availability delivers 99.999% uptime, guaranteed by a comprehensive SLA.

The vendor **must** begin installation no later than 30 days after receipt of the purchase order and **must** be completed within 60 days of receipt of the purchase order.

CDW•G Response:

The solution we present will comply.

Internet Filtering

The filtering solution **must** provide a web based interface for all management and configuration tasks which can be performed by WVDE.

CDW•G Response:

The solution we present will comply.

WVDE will manage the IronPort S-Series appliance using a Web-based administration tool. When you first access the S-Series appliance, the web interface launches the System Setup Wizard to perform an initial configuration. After running the System Setup Wizard, you can use the web interface or Command Line Interface (CLI) to customize settings and maintain your configuration.

ScanSafe administration and management are provided through the ScanCenter portal, an easy-to-use web-based portal for reporting, control and administration. Using a secure, centralised location you can set web and instant messaging usage policies for individuals or groups of users. Reporting functionality is comprehensive and ranges from high-level dashboard views to detailed forensic audits on specific users. The portal is "wizard" driven by selecting tick-box style management and policies.

The filtering solution **must** have the capability to be configured to block Internet access in the event of the failure of the filtering solution at a POP so that unfiltered Internet access is prevented.

CDW•G Response:

The IronPort solution we present will comply for wired users.

For mobile users, understand that as a SaaS provider Cisco ScanSafe is responsible for the platform, removing the requirement for you to deploy, maintain, support and update the hardware and software supporting remote client filtering. ScanSafe scanning towers are based on a purpose built, multi-tenant internet service architecture which uses parallel processing to scan and filter huge volumes of web traffic at high speed. Our scalable architecture delivers in scale and quality of security, and utilizes globally distributed datacenters on four continents alongside multiple high speed network providers to ensure a fast, seamless web experience for users. The extensive built-in redundancy together with our continual focus on operational security and availability delivers 99.999% uptime, guaranteed by a comprehensive SLA.

The Internet filtering provided as a result of this RFQ **must** be verified by the vendor to meet the requirements of the Children's Internet Protection Act (CIPA) (refer to <http://www.fcc.gov/cgb/consumerfacts/cipa.html>) and the West Virginia Board of Education Policy 2460 that is available online at <http://wvde.state.wv.us/policies/p2460.html>.

CDW•G Response:

The solution we present will comply.

The filtering solution **must** be verified by the vendor to comply with the Children's Online Privacy Protection Act (COPPA). The filtering process **must** not require the collection of any personal information from any users under the age of 13.

CDW•G Response:

The solution we present will comply.

The filtering solution **must** provide the capability for the WVDE to selectively enable filtering of content based on categories of websites or individual websites using the http and https protocols.

CDW•G Response:

The solution we present will comply.

Cisco IronPort Web Usage Control filters will allow WVDE to configure how the appliance handles each web transaction based on the URL category of a particular HTTP and/or HTTPS request. URL categories represent content that might be considered objectionable in the context of an academic environment. Cisco IronPort Web Usage Control filters uniquely combines a high-performance scanning engine with the industry's broadest web database to provide a fast and accurate content filtering solution.

ScanSafe is very flexible and rules can be set by groups and users. Specific URLs or categories of URL can be blocked all the time or at certain times of day. Quotas can be set up based on hours of use, bandwidth or bytes in/out. File downloads can be blocked or allowed based on file extension, MIME type, etc.

The vendor **must** include all categories that the vendor offers on the product. The vendor **must** not offer a reduced number of categories in an attempt to reduce costs by providing only the categories that are identified in this RFQ.

CDW•G Response:

The full Cisco IronPort and ScanSafe category offerings will be made available to WVDE. For example, IronPort URL filters alone will provide WVDE with over 65 content categories and more than 20 million websites (corresponding to over 3.5 billion Web pages). These categories are outlined in detail under Tab VIII, Appendices B and C.

The vendor **must** provide, but is not limited to, the pre-populated categories of the following classifications or equivalent classifications of content on websites:

- Pornography
- Obscenity

- Dating (including sites for the purpose of establishing personal relationships)
- Gambling
- Criminal Activities (sites that condone or provide instructions for criminal activity)
- Illegal Drugs (sites that condone or provide instructions for illegal drug use, manufacturing and distribution)
- Anonymous Proxies (anonymizers to bypass filtering or hide the true source of internet activity)
- Computer crimes, cracking and hacking (sites that condone or provide instructions for these activities)
- Malicious code (sites that contain, distribute, or execute malicious code such as malware, viruses, root kits, bots, etc or retrieve information from computers that are infected with malicious code)
- Instant messaging sites
- Peer to Peer (P2P sites)
- Phishing (fraudulent sites that imitate authentic sites, often to lure people into submitting personal or financial information.)
- Hate, racism, discrimination (sites that condone or encourage violence against or suppression of any minorities or grouping based on race, religion, sexual orientation, ethnicity or any other social grouping characteristic)

CDW•G Response:

Both Cisco's IronPort and ScanSafe solutions can meet and will exceed the depth of the categories listed above. They are both more granular and highly customizable. Please refer to Appendix B for a complete listing of out-of-the-box IronPort filtering categories, and Appendix C for ScanSafe filtering categories.

The filtering solution **must** have the capability to allow or deny access to any individual website, URL, or IP address whether or not it is included in any vendor provided category.

CDW•G Response:

The solution we present will comply.

With Cisco's IronPort appliance it is possible for the WVDE to create custom categories for custom lists of sites (which in effect will re-classify the site) and thereby allow for custom access policies (Blacklist, Whitelist, Decryption, etc). Custom categories with specific websites will override the default categorization provided in the URL filtering database.

Cisco's ScanSafe Advanced Policy Manager (APM) likewise gives you complete control of your web-filtering policy. WVDE will have full control over the categories and/or domains

which are blocked or allowed, including exceptions which can override a category-based block.

The filtering solution **must** have the capability to permit the WVDE to create unlimited additional custom categories.

CDW•G Response:

The solution we present will comply.

Cisco's IronPort appliance ships with many predefined URL categories by default. However, WVDE can also create unlimited user defined custom URL categories that specify specific host names and IP addresses. WVDE is encouraged to create custom URL categories for internal sites or a group of external sites you know you can trust.

Cisco's ScanSafe Advanced Policy Manager (APM) likewise gives you complete control of your web-filtering policy. WVDE will have full control over the categories and/or domains which are blocked or allowed, including exceptions which can override a category-based block.

The filtering solution **must** have the capability to permit the use of "regular expressions" (includes wild-card characters and other variables to specify complex text strings) when creating custom allow or deny lists of URL web addresses or search terms.

CDW•G Response:

The solution we present will partially comply.

With the Cisco IronPort appliance WVDE will be able to use regular expressions to specify multiple web servers that match the pattern entered.

Cisco ScanSafe currently does not utilize regular expressions with Anywhere+.

The filtering solution **must** have the capability to block traffic related to peer-to-peer file sharing protocols.

CDW•G Response:

The solution we present will comply.

The IronPort Web Security Appliance (WSA) supports the tunneling of peer-to-peer (P2P) traffic. The WSA will provide the following filtering/protection for P2P traffic:

1. The WSA can look at WVDE defined custom URL Categories and take action (block, permit, monitor) based on WVDE policies.
2. The WSA can look at the Web Reputation of the destination instant message, chat, or blog site(s) and take action (block, permit, monitor) based on WVDE policies.
3. The WSA can look at pre-defined URL categories and take action (block, permit, monitor) based on WVDE policies.

In addition, the WSA supports time-based policies, as well as, usage quotas to help enforce bandwidth utilization. The WSA can integrate with the WVDE directory (AD, LDAP) and

supports time-based policies and usage quotas based on LDAP accounts or group memberships.

Regarding ScanSafe, P2P applications that rely on a connection to a known web server such as Skype or Spotify simple URL filtering policies in ScanCenter can simply block the traffic for mobile clients.

The filtering solution **must** have the capability to enforce the "safe searching" mode of Google, Bing and Yahoo search engines, regardless of the settings chosen by an end user that is using those search engines.

CDW•G Response:

The solution we present will comply.

The IronPort AsyncOS for Web 7.0 uses the AVC engine to filter adult content from some web searches and websites. WVDE may do this to allow access to these sites, such as google.com and youtube.com, while still restricting potentially unsafe content from reaching users. AsyncOS for Web offers the following features to filter adult content:

Enforce safe searches

Most search engines allow the safe search feature to be enabled and disabled by end users. You can configure the IronPort appliance so that outgoing search requests appear to search engines as safe search requests. This gives the control to a WVDE administrator on the network instead of the end user. WVDE may want to do this to prevent users from bypassing acceptable use policies using search engines.

Enforce site content ratings

Many content sharing sites that serve user-generated photos and videos classify some of their content as adult. They allow users to restrict their own access to the adult content on these sites by either enforcing their own safe search feature or blocking access to adult content, or both. This classification feature is commonly called "content ratings".

With regard to Cisco ScanSafe, this mobile web filtering system includes *SearchAhead*, the industry's first safe search tool that allows schools to alert students and faculty before they visit unsafe search results. *SearchAhead* will scan results from popular search engines Google, Yahoo! and MSN, providing advance warning of any malware and guidance on acceptable or unacceptable websites, based on the WVDE's Web filtering policies.

The filtering solution **must** provide capabilities to create manageable client groups based on IP address ranges and assign names to those groups.

CDW•G Response:

The solution we present will comply. The following is repeated from page 12, above.

The IronPort solution will provide WVDE with Web Access Policies, which combine Policy Groups and IronPort Uniform Resource Locator (URL) filters to provide a variety of options for controlling user access to the web, and are additionally able to impose restrictions inside the WVDE network itself.

Policy Groups will allow WVDE administrators to create groups of users and apply different levels of category-based access control to each group. The functionality will also allow WVDE to configure per-group filtering using settings respective to S-Series filtering components, which include applications, URL categories, objects, web reputation, and anti-malware. Such granular control gives you the flexibility to enforce a quantifiable level of security on a specific set of client devices, and a Global Policy Group to unite them all.

Creating Policy Groups is likewise a flexible process. WVDE will be able to group users and define membership criteria based on authorization properties such as client IP address or range, authenticated username, authorization group, or IP address destinations or range.

Mobile users behind the ScanSafe filter will not have static IP subnets assigned as they move around therefore this will not apply.

The capability **must** exist to delegate management of groups by creating additional administrators with restricted rights who can be assigned to manage filtering parameters for specific groups.

CDW•G Response:

The solution we present will comply.

With the Cisco IronPort appliance WVDE will be able to delegate policy administration to administrators. These delegated administrators can then manage policies for a subset of IronPort appliances, or a subset of end users. For example, you might allow a delegated administrator to manage policies for an organization's branch office in a particular school district, where the acceptable use policies might be different from those at a neighboring school district. WVDE will be able to delegate administration by creating custom user roles and assigning read/write access permissions to those roles. WVDE will determine which policies and custom URL categories the delegated administrators can view and edit.

Cisco ScanSafe offers two different options for this:

Within the management portal sub-regions/managers are set-up as separate accounts. Above that a global login can be provided to manage all accounts.

User portal roles allow one portal organization to have numerous login access rights which can be fully audited:

- Super User
- Full access
- Full read-only
- Read-only (no forensic auditor)
- HR (read reporting only)
- Admin with no forensic auditor
- Reporting Admin

The filtering solution **must** provide for customizable, granular permissions so that additional administrator/user accounts can be tailored on a user by user basis to match the rights of a user to the tasks that a user needs to perform.

CDW•G Response:

The solution we present will comply.

The filtering solution **must** have the capability to selectively display WVDE customized "site blocked" pages based on the client group and/or the categorization of the blocked website.

CDW•G Response:

The solution we present will comply.

WVDE can format the text in IronPort notifications and end-user acknowledgement pages using some HTML tags. Tags must be in lower case and follow standard HTML syntax (closing tags, etc.).

ScanSafe presents a warning/block alert page to the end user when they attempt to access a web page which presents a security risk; the alert page can be fully customized. This web page can be customized by WVDE, including having images and their own CSS. Further enhancements can be added using JavaScript.

The filtering solution **must** have the capability to selectively display WVDE customized "informational" pages based on the client group and/or the categorization of websites to which access is allowed.

CDW•G Response:

The solution we present will comply. Please see the response directly preceding.

The filtering solution **must** have the capability to be configured to only perform filtering of outgoing requests and to perform no filtering of incoming traffic.

CDW•G Response:

The solution we present will comply.

The recommended IronPort device is not a "reverse proxy device" and therefore only filters requests initiated from internal, protected network clients.

ScanSafe filtering will only apply to roaming clients who have deployed Anywhere+ on the roaming device. Only outgoing requests will be filtered using the Anywhere+ client.

The product offered by the vendor **must** perform Internet filtering primarily by comparing outgoing requests to a database of categorized URLs and IP addresses to determine whether an attempt to access a site on the Internet is to be blocked or permitted.

CDW•G Response:

The solution we present will comply.

Cisco IronPort Web Usage Controls available on the recommended S-Series appliance will provide WVDE with industry-leading visibility and protection from web use violations through a combination of list-based URL filtering and real-time dynamic categorization. This unique solution is powered by Cisco Security Intelligence Operations (SIO), which uses global internet traffic visibility and analysis to target categorization efforts and provide timely updates, maximizing URL list-based efficacy.

List-based URL filtering alone cannot solve the challenge presented by a constantly growing and evolving web, or the "dark web" challenge. To overcome this limitation, Cisco IronPort Web Usage Controls include a dynamic content analysis engine, shown in Figure 2 below, which categorizes up to 90 percent of objectionable dark web content and increases overall coverage on the most commonly blocked content by up to 50 percent.

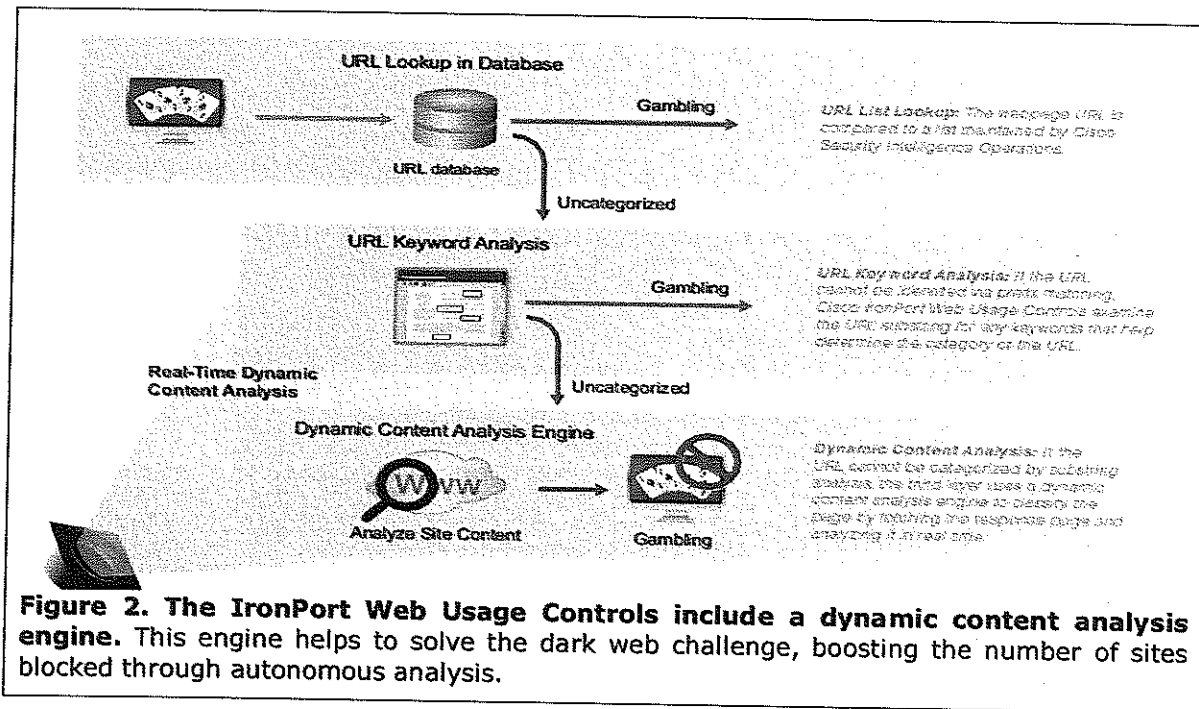


Figure 2. The IronPort Web Usage Controls include a dynamic content analysis engine. This engine helps to solve the dark web challenge, boosting the number of sites blocked through autonomous analysis.

With regard to mobile users, ScanSafe can dynamically classify previously unknown content in real time before it is delivered to the end-user, using machine learning to classify the actual content of an HTML page. ScanSafe uses a classifier algorithm which derives parameters for many tens of thousands of HTML pages and which makes classification decisions in around 1/1000th of a second. To ensure maximum accuracy, we focus on the following categories: Pornography, Gambling, Hate and Discrimination, Illegal Drugs, Illegal Software and Anonymous Proxies, and achieve a detection rate of 97-99.6% in respect of such sites.

Any other Internet filtering methods of the filtering solution, such as "on the fly" evaluation of incoming content, **must** be able to be selectively disabled at the option of the WVDE.

CDW•G Response:

The solution we present will comply.

The dynamic content analysis engine within the Cisco IronPort Web Usage Controls evaluates all uncategorized web content—even content hidden in an SSL tunnel—to make real-time categorization decisions. Advanced heuristics are used to look at a page and then compare it with an extensive library of model documents. In this way the IronPort device is

able to quickly and accurately determine the category of content on the site. The engine is further tuned to better catch the most commonly blocked objectionable content, which has the dual benefit of minimizing the liability and compliance violation risks for WVDE while still allowing users to functionally access the web. This feature can be enabled globally by the administrator.

Web Reputation filters, a technology pioneered at IronPort, use statistical data to assess the reliability of websites and score the reputation of the URLs. Data such as how long a specific domain has been registered, where a website is physically located, or whether a web server is using a dynamic IP address are used to judge the trustworthiness of a given URL. The web reputation calculation associates a URL to a score which determines the probability that malicious software, or malware, exists on the site. WVDE administrators will be able to adjust a sliding scale to configure the optimal policy level for a given user group. It can likewise be disabled.

With regard to mobile users, ScanSafe can dynamically classify previously unknown content in real time before it is delivered to the end-user, using machine learning to classify the actual content of an HTML page. ScanSafe uses a classifier algorithm which derives parameters for many tens of thousands of HTML pages and which makes classification decisions in around 1/1000th of a second. To ensure maximum accuracy, we focus on the following categories: Pornography, Gambling, Hate and Discrimination, Illegal Drugs, Illegal Software and Anonymous Proxies, and achieve a detection rate of 97-99.6% in respect of such sites.

The filtering solution **must** provide a web based display of status and performance graphs for all components of the filtering solution.

CDW•G Response:

The solution we present will comply.

The Cisco IronPort System Status page is used to monitor the System Status. This page displays the current status and configuration of the Web Security appliance. The following statistics are displayed:

- System Status
- System resource utilization
- Proxy Traffic Characteristics
- Transactions per second
- Bandwidth
- Response time
- Cache hits
- Connections
- Current Configuration
- Web Proxy settings
- Web Proxy Status
- Web Proxy Mode — forward or transparent.
- IP Spoofing — enabled or disabled.
- L4 Traffic Monitor Status — enabled or disabled

With regard to mobile users, Cisco ScanSafe, being a SaaS provider, is responsible for the platform, removing the requirement for you to deploy, maintain, support and update the hardware and software. Our scalable architecture delivers economies in scale and quality of security, and utilizes globally distributed data centers on four continents alongside multiple high speed network providers to ensure a fast, seamless web experience for users. The extensive built-in redundancy together with our continual focus on operational security and availability delivers 99.999% uptime, guaranteed by a comprehensive SLA.

All ScanSafe services are provided through ScanCenter, an easy-to-use web-based portal for reporting, control and administration (Figure 3). Using a secure, centralized location you can set web and IM usage policies for individuals or groups of users. Reporting functionality is comprehensive and ranges from high-level dashboard views to detailed forensic audits on specific users.

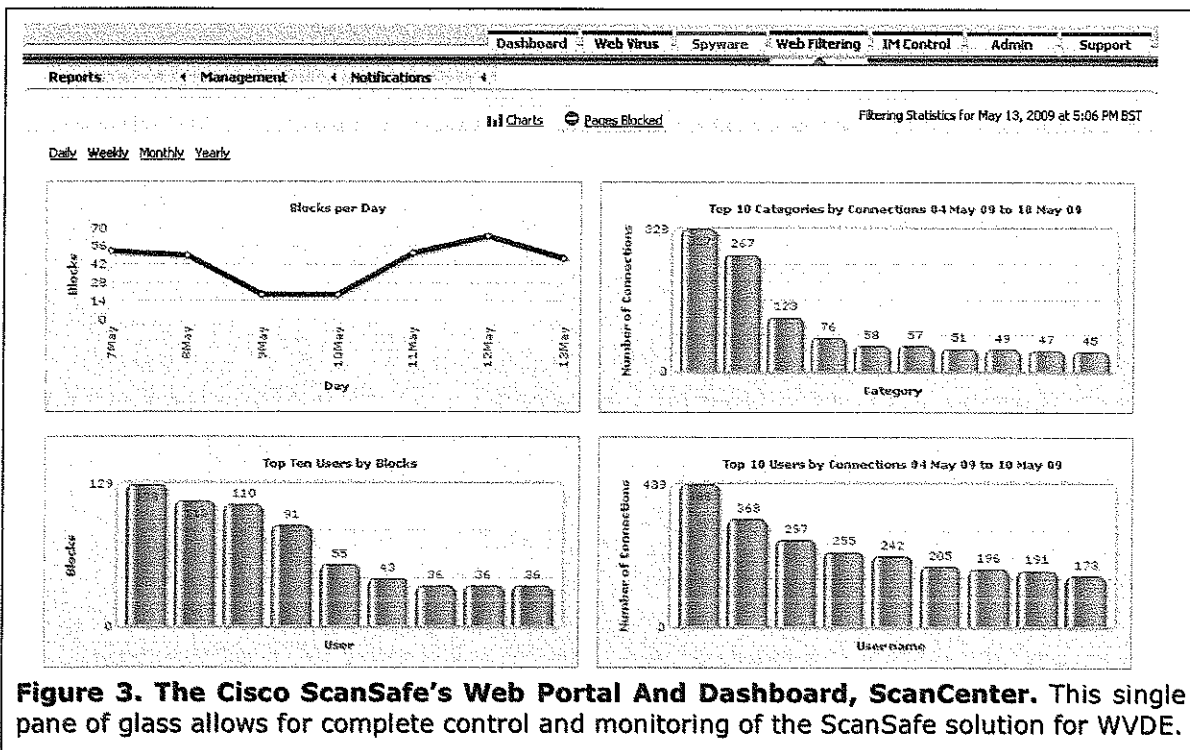


Figure 3. The Cisco ScanSafe's Web Portal And Dashboard, ScanCenter. This single pane of glass allows for complete control and monitoring of the ScanSafe solution for WVDE.

The filtering solution **must** have the capability for the WVDE to set customized filtering policies based on the time of day and the day of the week for individual IP addresses and/or groups of client IP addresses.

CDW•G Response:

The solution we present will comply.

The IronPort appliance provides WVDE the means to create time based policies by specifying time ranges, such as school hours, and using those time ranges to define access to the web. WVDE will be able to define policy group membership based on time ranges,

and specify actions for URL filtering based on time ranges. WVDE may want to use time ranges to accomplish the following tasks:

- Block access to high bandwidth sites, such as streaming media, or distracting sites, such as games, during school hours or the month of March.
- Route some transactions to a particular external proxy after midnight when the other proxies are being serviced.
- Allow larger files to be downloaded on the weekends.

ScanSafe allows web filtering rules to be based on time periods determined by the administrator. When implementing web filtering within an organization, you may wish to change the type of restriction a group of users has based on the time of day and/or day of the week. For example, you might like to let your staff have access to internet banking, online shopping and news sites only during their lunch hour. Schedules within ScanCenter facilitate this by enabling you to create a time period (called a Schedule) and then pair that 'Schedule' with a particular Group and 'Restriction' within the 'Dashboard'. In this way a Group can have many different types of web access depending on the time of day and day of the week.

The Internet filtering solution **must** not masquerade, spoof or change the source IP address of the computers on the K-12 network. The source IP address of the client computer **must** be passed to the PIX firewall.

CDW•G Response:

The solution we present will comply.

WVDE can configure the web proxy to do IP spoofing. When enabled, requests originating from a client retain the client's source address and appear to originate from the client instead of the web proxy.

This is not applicable for mobile users.

The Internet filtering and reporting servers **must** operate on and report on the 10.0.0.0 private network IP addresses of the WVDE K-12 network.

CDW•G Response:

The solution we present will comply.

This is not applicable for mobile users.

The filtering solution **must** have a synchronization capability. Synchronization means that when the WVDE makes a filtering configuration change using the web management tool, that change will be distributed to all of the filtering servers at both POPs. That change distribution **must** take effect automatically within 5 minutes after the act of saving of the configuration change, or be accomplished manually with no more than 5 mouse clicks after the configuration change is saved.

CDW•G Response:

The solution we present will comply as written above, with regard to clicks et. al.

AsyncOS for Security Management provides for synchronization by assigning masters and slaving other devices to them. The system goes so far as to provide for two separate Configuration Masters, making it possible for WVDE to centrally manage a heterogeneous deployment in which Web Security appliances run different versions of AsyncOS for Web Security containing different features if desired.

Located within the Web section of the Security Management appliance GUI, each Configuration Master contains the configuration for a particular version of AsyncOS for Web Security. You can use a Configuration Master to push policies and other Web Security features directly to other slave IronPort devices across the network.

ScanSafe policy changes using the ScanCenter portal are globally active within seconds and no end-point updating is required.

Internet Use Reporting

The filtering solution **must** provide a web-based reporting application and a minimum of one terabyte of log file storage at each POP.

CDW•G Response:

The solution we present will comply

The IronPort S-Series WSA provides several options for WVDE to view system data, L4 Traffic Monitor, Client Web Activity, Client Malware Risk, Website Activity, Anti-Malware, URL Categories, and Web Reputation Filters. The onboard reporting provides a colorful overview of system activity and supports multiple options for viewing system data. For example, you can update and sort data to provide real-time visibility into resource utilization and web traffic trouble spots. You can also search each page for website and client-specific data. Onboard reports can also be scheduled to run at any time of the day and can be emailed from or saved to the appliance.

Further customization will be facilitated by IronPort Advanced Services so that WVDE has a tailored reporting solution to meet its needs.

With regard to mobile users, the ScanCenter portal provides a variety of tools that provide WVDE's designated administrators with the data needed to monitor and record Web usage and security incidents.

In addition to the dashboard, there are three methods for monitoring ScanSafe's services:

- Summary Reports
- Scheduled Reports
- Alerts

Summary Reports

Summary reports provide an accessible, intuitive real-time method for administrators to view information. They are accessed through the ScanCenter (Figure 3) portal and provided separately for each of the Malware Scanning and Web Filtering services. The Malware Scanning service provides separate reporting on viruses and spyware.

Each service has a summary online report providing key information that can quickly be viewed to analyze a recent event or view traffic patterns over the year. In addition, each service offers a variety of specialised reports which can be generated over varying time frames.

Some examples of web filtering summary reports from ScanCenter are shown below.

- Top 10 Categories by Bytes Received
- Top 10 Categories by Bytes Sent
- Top 10 Categories by Connections
- Top 10 Departments by Bytes Received
- Top 10 Departments by Bytes Sent
- Top 10 Departments by Connections
- Top 10 Sites by Connections
- Top 10 Users by Bytes Received
- Top 10 Users by Bytes Sent
- Top 10 Users by Connections
- Top 10 Users by Connections (Auctions/Classified Ads)
- Top 10 Users by Connections (Chat)
- Top 10 Users by Connections (Erotic/Sex)
- Top 10 Users by Connections (Extreme)
- Top 10 Users by Connections (Gambling)
- Top 10 Users by Connections (Illegal Drugs)
- Top 10 Users by Connections (Online Shopping)
- Top 10 Users by Connections (Pornography)
- Top 10 Users by Connections (Sports)
- Top 10 Users by Connections (Travel)
- Top 10 Users by Connections (Web Mail)
- Top 10 Virus by Blocks
- Adware Blocked by Hour
- Blocks by Type
- Phishing Blocked by Hour
- Spyware Blocked by Hour
- Top 10 Adware by Blocks
- Top 10 Departments by Adware Blocks
- Top 10 Departments by Phishing Blocks
- Top 10 Departments by Spyware Blocks
- Top 10 Phishing by Blocks
- Top 10 Spyware by Blocks
- Top 10 URLs by Adware Blocks
- Top 10 URLs by Phishing Blocks
- Top 10 URLs by Spyware Blocks
- Top 10 Users by Adware Blocks
- Top 10 Users by Phishing Blocks
- Top 10 Users by Spyware Blocks

For each report type administrators can generate online graphs, online tables, or download the raw data in a number of formats. This gives administrators the flexibility to either quickly monitor a situation or download the data required to create customized reports.

Scheduled Reports

ScanCenter's scheduled reporting gives WVDE's designated administrators the flexibility to automatically receive an array of specific reports via email. An administrator can configure the time frame and the frequency with which it will be sent. Some examples of the reports available are listed below:

- Top Destinations by Connections
- All Protocols by Bandwidth
- Top Categories by Connections
- Top Groups by Connections
- Top Users by Bytes Transferred
- Connections by File Type
- All Users by Browse Time
- Bandwidth Usage by File Type
- Top Destinations by Bandwidth
- Top Groups by Bytes Transferred
- Top Users By Browse Time
- All Categories by Connections
- All Categories by Bandwidth
- All Protocols by Connections
- Categories by File Type
- Top Users by Connections
- Categories by User
- Blocked Users by Site
- Blocked Categories by Users
- Top Categories by Bandwidth
- Top Viruses Blocked
- Blocked Viruses by Number of Hits
- Top Groups by Blocked Viruses
- Protocol Trend by Connections
- Protocol Trend by Bandwidth
- Top Users by Blocked Viruses
- Top Users by Blocked Spyware
- Top Groups by Blocked Spyware
- Top Spyware Blocked

Importantly, each report can be tailored to report on a particular user, IP address, or group. Report recipients can be grouped together so that different functions of a business can automatically receive reports that are of particular interest to them. Reports can be configured to display tables or graphs by simply selecting options in the ScanCenter portal.

All ScanCenter reports are sent encrypted as a password-protected PDF and can be unencrypted by recipients using an administrator-defined password.

The filtering solution **must** provide a method for the WVDE to download log files in a generic text format for analysis and archival storage.

CDW•G Response:

The solution we present will comply.

The IronPort S-Series WSA can be configured to rollover the log files at any specified time. WVDE can use standard and custom log files to monitor web traffic and manage runtime events. The S-Series appliance provides several options for creating custom log files. The WSA can be setup to allow log file retrieval using SCP and FTP. Likewise, the WSA can be configured to automatically SCP, FTP, or Syslog the log files to a specified server.

You can customize the information that is recorded in each log.

Available IronPort Log Files

- Access Log File
- CLI Audit Logs
- Component Updater Logs
- Logging Logs
- McAfee Logs
- Proxy Logs
- Reporting Logs
- Reporting Query Logs
- System Health Daemon (SHD) Logs
- System Logs
- Traffic Monitor Error Logs
- Traffic Monitor Logs
- User Interface Logs
- Web-Based Network Participation (WBNP) Logs
- Web-Based Reputation Server (WBRs) Logs
- Web Categorization Logs
- Webroot Logs.

ScanSafe data relating to security events ("blocks") is available online for one year. Allowed traffic data is available online for 45 days and there are options to extend this further to 90 or 180 days at extra cost. Data is readily available to support multiple cases (e.g. reporting, troubleshooting, forensic analysis, etc.) through different sections of the portal (dashboard, scheduled reports, summary reports, forensic audit, etc).

Complete details of web browsing activity **must** be stored in log files and **must** include, at a minimum, the complete URL, date and time and IP address of the client computer.

CDW•G Response:

The solution we present will comply. The following is repeated from above for your convenience.

The IronPort S-Series WSA provides several options for WVDE to view system data, L4 Traffic Monitor, Client Web Activity, Client Malware Risk, Website Activity, Anti-Malware, URL Categories, and Web Reputation Filters. The onboard reporting provides a colorful overview of system activity and supports multiple options for viewing system data. For example, you can update and sort data to provide real-time visibility into resource utilization and web traffic trouble spots. You can also search each page for website and client-specific data. Onboard reports can also be scheduled to run at any time of the day and can be emailed from or saved to the appliance.

ScanSafe data relating to security events ("blocks") is available online for one year. Allowed traffic data is available online for 45 days and there are options to extend this further to 90 or 180 days at extra cost. Data is readily available to support multiple cases (e.g. reporting, troubleshooting, forensic analysis, etc.) through different sections of the portal (dashboard, scheduled reports, summary reports, forensic audit, etc).

All end user functions of the reporting application **must** be accessible via a web interface.

CDW•G Response:

The solution we present will comply. The following is repeated from above for your convenience.

The IronPort S-Series WSA provides several options for WVDE to view system data, L4 Traffic Monitor, Client Web Activity, Client Malware Risk, Website Activity, Anti-Malware, URL Categories, and Web Reputation Filters. The onboard reporting provides a colorful overview of system activity and supports multiple options for viewing system data. For example, you can update and sort data to provide real-time visibility into resource utilization and web traffic trouble spots. You can also search each page for website and client-specific data. Onboard reports can also be scheduled to run at any time of the day and can be emailed from or saved to the appliance.

All ScanSafe Web Security services are controlled via the ScanCenter web portal (Figure 3) which allows administrators the ability to control the following:

- **Reports**—Provide access to a number of available reports.
- **Management**—Allow WVDE to configure and deploy usage and security policies for each of the ScanSafe services.
- **Notifications**—Enable WVDE to set up notification settings for each service.

The reporting solution **must** provide the capability to create reports based on specific IP address, website address, date and time of day.

CDW•G Response:

Cisco IronPort Advanced Services will be engaged to deliver a reporting solution to meet the needs of WVDE.

With regard to mobile users, the Cisco ScanSafe solution will comply. For a detailed response please see the CDW•G Response beginning on page 25.

The reporting capabilities **must** include the ability to schedule aggregate reports of website accesses by categories, ranges of IP addresses and time periods.

CDW•G Response:

Cisco IronPort Advanced Services will be engaged to deliver a reporting solution to meet the needs of WVDE.

With regard to mobile users, the Cisco ScanSafe solution will comply. For a detailed response please see the CDW•G Response beginning on page 25.

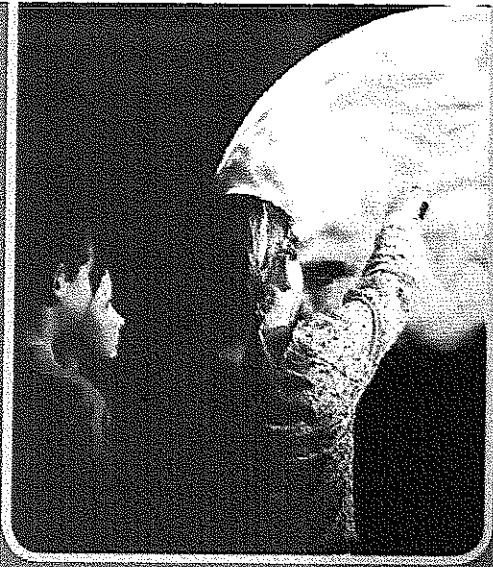
The reporting capabilities **must** include the ability to create "on demand" custom reports on

selected client IP addresses, specific URLs and time periods.

CDW•G Response:

Cisco IronPort Advanced Services will be engaged to deliver a reporting solution to meet the needs of WVDE.

With regard to mobile users, ScanCenter's scheduled reporting gives administrators the flexibility to automatically receive an array of specific reports via email. An administrator can configure the time frame and the frequency with which it will be sent.



Tab IV

Section III Contract Terms

Section III – Contract Terms

The contract that results from this RFQ will remain in effect for one (1) year from the date of award, with an option to renew for two (2) additional one (1) year periods.

The costs for software and the annual licensing for Internet filtering can be invoiced upon delivery and acceptance by the WVDE. The technical support costs are payable in arrears and **shall** be invoiced not more often than on a monthly basis.

Any terms and conditions **must** be submitted with the bid. After award, no changes will be allowed which modify and terms and conditions. Award will not be made until all terms and conditions are agreed to by the State.

The vendor is solely responsible for all work performed under the contract and for all services offered and products to be delivered under the terms of this contract.

If the successful vendor is not the direct source, the vendor **must** provide documentation of being an authorized reseller to provide the equipment, filtering updates, maintenance and technical support.

CDW•G Response:

CDW•G and its partners have reviewed the above terms and conditions and will comply. Please see the legal disclaimers featured at the opening of this document.



Tab V

Section IV Service Requirements

Section IV – Service Requirements

The vendor **must** provide modification or replacement of software that fails to perform according to the specifications. The vendor also **must** provide any software upgrades, at no cost to the State, that are necessary during the term of the contract in order to continue to meet the Internet filtering capabilities specified. This requirement includes replacement, at no cost to the State, which may be necessary due to possible end-of-life designation by the manufacturer.

The WVDE network staff will provide and maintain WVDE provided servers, associated networking hardware and wiring. The WVDE network engineers will be responsible for load balancing network traffic to the servers of the filtering solution. The WVDE will be responsible for purchasing additional servers and network hardware when necessary to accommodate increases in bandwidth the number of clients to be filtered.

The filtering solution installation, configuration and testing at both the Charleston and Morgantown sites **must** be completed by the vendor within 30 days after the award of the contract. The vendor is responsible for any transportation and lodging costs of the installer.

CDW•G Response:

CDW•G and its partners have reviewed the above language in detail and are able to comply with each of the above stipulations with our enclosed solution.

The Internet filtering **must** support the bandwidth requirements of 3 gigabits/sec and 70,000 client computers at each one of the two POPs as identified in the specifications in Section II --Technical Requirements.

CDW•G Response:

The solution we provide will comply. Please see our response above under Tab III, Section II - Technical Requirements, page 9.

The vendor understands that technical support includes verifying that all hardware and/or software remains operational in the event of WVDE modification, replacement or upgrade of any servers or network configurations that impact the functioning of the filtering solution. These costs are to be included in the line item for technical support on the cost page.

Toll-free telephone and e-mail technical support **must** be available 7:00 AM to 5:00 PM Monday through Friday, Eastern Time (GMT -0500) for designated WVDE networking staff. Any costs associated with this requirement are to be included in the line item for technical support on the cost page.

The vendor **must** provide a function that permits any user of the WV K-12 network to submit a website to be reviewed and appropriately categorized by the vendor. This function allows the vendor to receive feedback with the intent of improving delivery of services or product functionality.

CDW•G Response:

CDW•G and its partners have reviewed the above language in detail and are able to comply with each of the above stipulations with our enclosed solution.



Tab VI

Section V
Vendor Response



Section V – Vendor Response

The vendor is to complete the Cost Worksheet.

The vendor must provide evidence of at least one current, successful installation of the Internet filtering solution in a network configuration servicing 70,000 or more computers

Project Name	# of Computers Filtered	Internet Bandwidth
Please see note on NDA, page 9.		

Table 1. Evidence of Previous Installation. Listed above are three example applications CDW•G has made of the IronPort solution for at least 70,000 users.

If the vendor fails to identify any costs that are required to meet the terms, requirements and conditions of this Quotation, it **shall** be the responsibility of the successful vendor to pay those costs and such costs will not be passed on to the WVDE or the State of West Virginia

Pricing must be stated on the basis of one-year contracts.

The actual number of licenses purchased may vary from year to year. The quantities of computers listed on the Cost Worksheets are estimates only. The actual quantity to be purchased will be specified in a purchase order.

Filtering licensing prices must be quoted based on the number of computers filtered annually so that the WVDE can determine the basis of the pricing submitted in the quote.

Software updates/upgrades and technical support must be priced on an annual basis and this item is reflected as such on the cost page.

The vendor is responsible for any costs due to product end of life that will require replacement or upgrading of the vendor provided software or hardware during the term of the contract.

CDW•G Response:

Items below listed in blue denote the CDW•G offer.

Item	Vendor Description	Quantity	Unit Cost	Total Cost
Annual software cost for Filtering Servers.*	Software Cost Included within Other Hardware Below	NA	NA	NA
Annual software cost for Reporting Servers.*	Included below	NA	NA	NA
Annual License for filtering of client computers on K-12 network.	Cisco IronPort Web Usage Control, 1 Year (IPWUC-GV-1Y)	140,000	\$1.07	\$140,800.00
Annual License for mobile computers. (see note 1 below.)	Cisco ScanSafe: Anywhere+ Client for URL Filtering for Remote Users (This is a yearly part and comprises maintenance on the same) (SCANSAFE-APLUS)	10,000	\$10.20	\$102,000.00
Technical support and upgrades/updates for filtering solution	SP-S370-P-1Y	10	\$2,850.00	\$28,500.00
	SP-M1060-P-1Y	2	\$425.00	\$850.00
	ICCM-10A-1Y	2	\$1,850.00	\$3,700.00
One Day onsite training, 6 hours, Charelston WV (see note 2 below)	Included in the below item.	NA	NA	NA
Onsite installation, Charelston and Mogantown, WV (see note 2 below)	On-site Cisco Professional Services for installation and training of S370 and M160 Units/ per day (PRO-SER-DAY)	6 days	\$2,254.17	\$13,525.00
Filtering Servers (if required)	Cisco IronPort S370, Standard Configuration (S370-BUN-R-NA)	10	\$12,799.90	\$127,999.00
	M160 Management Appliance (M160-BUN-R-NA)	2	\$2,499.50	\$4,999.00
Reporting Servers (if required)	HP DL380 Servers	2	\$24,779.00	\$49,558.00
Other Hardware (if required)	NA	NA	NA	NA

Hour rate for custom system modifications	On-site Cisco Professional Services to go with Statement of Work for Reporting Deployment/ flat rate (PRO-SER-DAY)	45 days minimum, total price quoted	\$91,800.00	\$91,800.00
Total Costs:			\$563,731.00	

Table 2. Cost Worksheet.

Note 1: A mobile computer requires special client software that will force the computer to be filtered even when it is disconnected from the K-12 network and connected to any other network which provides Internet access. If there is no price difference for mobile computers, enter the same unit cost as for computers on the K-12 network.

Note 2: Costs for training and installation, configuration and testing must inclusive of all incidental costs. Travel expenses, training materials and other reimbursable expenses will not be paid separately. The distance between Charleston and Morgantown WV is approximately 180 miles.

Item Pricing:

This worksheet is for vendors to identify items, quantities and provide prices. The vendor should indicate "No Cost" or "N/A" in the appropriate cells or blanks of the cost worksheet for which there are no separate or applicable costs. Any cost area that is left blank will be assumed to be "No Cost." The vendor may add notes to explain or clarify the bid.

* Vendor is encouraged to provide unit pricing for each of these items. However, it **shall** be the responsibility of the vendor to determine sufficient quantities needed for the scope of work outlined in the RFQ. For example, the quantity of servers needed to provide coverage for the WVDE's network may be set at one for vendor A, but be determined to be 5 by vendor B, due to design efficiencies.

CDW•G Addendum I – Cisco Services Statement Of Work

Statement of Work for Reporting Capabilities- State of West Virginia Dept of Education

Contents

This document outlines the expected scope, effort, and cost of services to be provided to The West Virginia Department of Education (WVDE) to establish a reporting function in support of their planned IronPort WSA deployment.

Scope of Services

Background

The standard reporting platform provided by IronPort, Sawmill for IronPort, provides a fully capable reporting platform for most IronPort WSA customers. However, Sawmill begins to reach its natural processing limit when a total log file size of near 1 TB occurs.

Given the scale of WVDE's deployment, we are proposing that consulting services provided by Cisco Advanced Services be applied to establish a reporting capability that meets WVDE's scale and functional requirements.

Overall Objective

The overall objective is to design, and to work with WVDE to deploy, a reporting capability that scales to the 70,000 users expected at each deployment site.

Activities

Cisco expects to perform the following activities during the course of the engagement:

- Reporting Requirements Confirmation
- Reporting Server Sizing
- Reporting Solution Confirmation
- Reporting Solution Performance Testing
- Sawmill Profile Tuning (if applicable to solution)
- Log Pre-Processing Application Development
- Overall Solution Turnover and Operational Training
- Providing support for any custom elements of the reporting solution

Deliverables

Cisco expects to create the following deliverables during the course of the engagement:

- WSA Reporting Requirements document
- Reporting Server Hardware Sizing recommendation
- Tuned Sawmill Profile(s) for standard Sawmill for IronPort
- Log Pre-Processor Application and Operations Guide
- Reporting Solution Performance Test Results

Schedule and Effort

We expect the overall project effort to require an approximate duration of 8-12 weeks. We expect the overall effort to require a total of 45 work days, including production solution support provided over a 12 month period.

Cost and Terms

Services

The cost listed in Table 2 includes all expected fees for service as well as travel costs for any necessary travel to WVDE.

Hardware

WVDE is requesting that the vendor procure and provide the hardware if the existing hardware made available by WVDE is not sufficient. Based on past experience, their existing hardware may not be sufficient to run the reporting solution; therefore we are including costs for two separate large reporting servers.

Assumptions

The following assumptions underlie the cost and schedule estimates provided in this document:

1. A separate reporting infrastructure/solution will be established for each of the two POPs; each of the two reporting environments will operate independently, and on the log data produced by the WSAs local to the POP.
2. Each reporting solution must support reporting on 1 TB of log data.
3. Support will be provided for any custom elements of the reporting solution for 1 year on a 5 x 8 basis; 7 x 24 support will be handled through IronPort Customer Support.
4. WVDE will establish two separate reporting servers based on specific hardware recommendations made during the initial sizing phase of this project. The expected cost for these servers is included under Costs and Terms/Hardware above.
5. WVDE will own the reporting hardware established for the solution; support for this hardware platform will be provided by the hardware vendor.
6. Report log data will be retained for 90 calendar days; total log size at each POP will be 1 TB.
7. No specific performance requirements have been stated by WVDE; Cisco will work with WVDE to establish a practical reporting solution by balancing performance, functionality, and cost.
8. Reporting databases may need to be partitioned by time period (month) as an element of the overall reporting approach.
9. No custom application code will be developed by Cisco, other than a utility that may be deployed to collapse page-objects into summarized page-views for Sawmill reporting purposes.
10. A total of three separate week-long trips will be made by Cisco IronPort to WVDE over the course of the project; at other times, Cisco work activities will be performed remotely.



Tab VII

Section VI Cost Evaluation

Section VI – Cost Evaluation

All quotes **shall** be all inclusive. No separate reimbursements will be made for travel or any other expense.

The State intends to award the bid to the vendor with the lowest grand total costs to provide a complete Internet filtering solution, including software, filtering updates, licensing, technical support and maintenance according to the specifications. As previously explained, the vendor may also include servers in the bid if the filtering solution cannot meet the requirements of this RFQ when installed on the WVDE equipment identified in Section I – Current Environment.

The WVDE reserves the right to purchase in part or in whole any products and services offered by the vendor in the response to this RFQ. The actual number of licenses purchased each year will be based on a count of computers, provided by the WVDE, on the date of the annual contract renewals.

CDW•G Response:

CDW•G and its partners have reviewed the above language in detail and are able to comply with each of the above stipulations with our enclosed solution. What follows is a formal quote.



CDW.com | 800.594.4238

0E4008PS

SALES QUOTATION

QUOTE NO.	ACQUISITION	DATE
TSD0254	11375821	5/18/2010

BILL TO:
 WEST VIRGINIA DEPT. OF
 EDUCATION
 1500 KANAWHA BOULEVARD EAST

SHIP TO:
 WEST VIRGINIA DEPT. OF
 EDUCATION
 Attention To: ACCOUNTS PAYABLE
 1500 KANAWHA BOULEVARD EAST

Account Payable
 CHARLESTON, WV 25305

CHARLESTON, WV 25305
 Contact: SHELLEY MURRAY

Customer Phone #304.688.3660

Customer P.O. # WV-CONTENT
FILTRQUOTE

ACCOUNT MANAGER

CHRIS MARCH 866.866.4791

SHIPPING METHOD

Pickup Deferred 6-10 Days

TERMS

MasterCard/Visa Govt

EXEMPTION CERTIFICATE

GOVT-EXEMPT

QTY	ITEM NO.	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1	NEW-ITEM	NEW ITEM Mfg#: NEW-ITEM Contract: MARKET S370-BUN-RNA - qty 12 \$12799.93 SP-S370-P-1Y - qty 10 \$2350.00 M150-BUN-RNA - qty 2 \$3499.50 SP-M150-P-1Y - qty 2 \$425.00 IFW00-0V-1Y - qty 140000 \$1.07 ICCM-10A-1Y - qty 2 \$1850.00 PRO-SER-DAY - qty 1 \$2254.17 PRO-SER-DAY - qty 1 \$1850.00 SCANSAFE-APLUS - qty 10000 \$10.2 HP DL580 GS X745Q 60 4P 16GB Mfg#: 427362-001 Contract: MARKET	\$14,173.00	\$14,173.00
2	1569151	HP DL580 GS X745Q 60 4P 16GB Mfg#: 427362-001 Contract: MARKET	19,899.00	39,798.00
32	1809431	HP 520GB 7.2K 2.5 MDL SATA 1Y WTY Mfg#: 507750-021 Contract: MARKET	306.00	9,762.00
SUBTOTAL				663,731.00
FREIGHT				0.00
TAX				0.00

US Currency

TOTAL \$ 663,731.00

CDW Government
 250 North Milwaukee Ave.
 Vernon Hills, IL 60061
 Phone: 847.371.5000

Fax: 847.930.3172

Please remit payment to:
 CDW Government
 75 Remittance Drive
 Suite 1515
 Chicago, IL 60675-1515



Tab VIII

Appendices

Appendix A – The CDW•G Cisco Partnership

No other Cisco Gold Partner in the world offers CDW•G's combination of certifications and experience. CDW•G is a Cisco Gold Certified Partner and the only Cisco Channel Partner in North America that stocks Cisco products. CDW•G is also Cisco's Largest U.S. National Direct Integrator Partner.

Cisco Certifications

CDW•G holds the highest levels of Cisco certifications, including:



- **Gold Certified Partner.** Our network infrastructure engineers work on mission-critical networks every day. We are a one-stop shop for Cisco solutions, ranging from expert-level routing and switching engineering to product procurement.
- **Master Unified Communications Specialization.** Cisco's Master Specializations are reserved for those partners with the highest levels of technical expertise and a proven track record of selling, deploying, and supporting Cisco solutions. CDW•G is recognized as the go-to partner in the upper Midwest for deploying Cisco voice. Our people are the reason why Cisco has named us the best voice partner in the U.S. for two straight years. We back them up with the gold standard in processes and tools, making CDW•G the place to work for Cisco voice engineers.
- **Master Security Specialization.** CDW•G has led the Midwest with our security assessment and remediation teams for more than eight years, delivering unparalleled thought leadership in information security.
- **Advanced Wireless LAN Specialization and Advanced Technology Provider for Outdoor Wireless Mesh.** CDW•G provides our engineers with professional grade tools to perform wireless site surveys and testing. Our clients range in scale from one access point to thousands.
- **Advanced Technology Partner for Unified Contact Center (UCC) Enterprise.** CDW•G has implemented hundreds of contact centers with complex integrations for screen pop, speech recognition, quality monitoring, and workforce management.
- **Advanced Technology Partner for Rich Media Conferencing.** CDW•G offers expert design and installation services for MeetingPlace, Cisco's audio/Web/video collaboration solution.
- CDW•G was the first Cisco channel partner worldwide to earn a Master Specialization and the first partner in Cisco's U.S. Central Area to earn Advanced Certifications in UC, Security, and Wireless LAN.

Cisco Partner Awards

CDW•G is proud of its rich history of being recognized as an elite Cisco partner.

- **2010:** CDW•G won the U.S. and Canada Partner of the Year award at the Cisco Partner Summit.

- **2009:** CDW•G won five Cisco Partner Summit awards at the Cisco Channel Partner Conference in 2009.
 - Global Small Business Partner of the Year. This award recognizes exemplary behavior in areas of innovative practices, applications successes, unique programs, problem solving and sales approaches.
 - U.S. and Canada National Small Business Partner of the Year
 - U.S. and Canada Theater Small Business Partner of the Year
 - Public Sector Mobility Partner of the Year
 - Central Region Enterprise Partner of the Year
- **2008:** At the Cisco Partner Summit in April, 2008, CDW•G won six prestigious awards:
 - U. S. Partner of the Year
 - Security Partner of the Year
 - U. S. Technology Excellence Partner of the Year – Unified Communications
 - Central Area – Unified Communications Partner of the Year
 - Central Area – Cisco Capital Partner of the Year
 - Direct Integrator Partner of the Year

This marks the seventh year in a row that CDW•G has been honored by Cisco at the national level and the fourth year in a row that CDW•G has won a national or global award for Unified Communications. The repeated recognition for security provides concrete recognition of the strong investment that CDW•G has made in this area over recent years.

- **2007:** At the Cisco Partner Summit in April, 2007, Cisco presented CDW•G with the award for Global Solution Innovation Partner of the Year. This award was based on our unique approach to building solutions for our clients, including our consultative sales methodology and our life-cycle services approach to Cisco's advanced technologies, including Unified Communications, security, mobility, and network optimization.

Additional awards in 2007 included:

- U.S. Technology Excellence Partner of the Year for Unified Communications and Security
 - Outstanding Performance, Enterprise, Central Area
 - Top Commercial Security Partner, Central Area
 - Best Overall Commercial Partner, Central Area
- **2002 – 2006:** Other awards have included the following.
 - In 2006, CDW•G won the Cisco 2005 North American Global Partner of the Year award. Over 1,000 vendors competed for this award which is offered to the best partner in the areas of voice and data.
 - In 2005, CDW•G won the Cisco 2004 IP Global Partner of the Year award. Over 2,300 vendors competed for this award which is offered to the best partner in the areas of voice and data.
 - In 2004, CDW•G won the Cisco 2003 U.S. Regional Partner of the Year award for the Great Lakes region.

- In 2003, CDW•G won Cisco's 2002 U.S. Partner of the Year award for delivering customer-focused solutions (such as workflow-enhancing applications for IP phones) that extend the value of Cisco products.
- In 2002, CDW•G was honored with Cisco's 2001 U.S. Regional Partner of the Year award. It recognized us for innovation and value as a Cisco partner, and for our strong commitment to our clients.

CDW•G holds the following Cisco specializations:

- Advanced Data Center Networking Infrastructure
- Advanced Data Center Storage Networking
- Advanced Routing & Switching
- Advanced Security
- Advanced Unified Communications
- Advanced Wireless LAN
- Master Security Specialization
- Master UC Specialization
- SMB Specialization

CDW•G is the first Cisco channel partner worldwide to earn Cisco Master Specializations in Unified Communications (UC) and Security and the first in Cisco's U.S. Central Area to obtain Cisco's Advanced Specializations in UC, Security and Wireless LAN. "Master Specializations are only awarded to partners with the most in-depth technology skills and a proven track record of customer success in selling, deploying and supporting Cisco solutions," said Edison Peres, Vice President and Chief Go-to-Market Officer for Worldwide Channels at Cisco.

Cisco Authorizations

CDW•G has Cisco Authorizations in:

- Indirect Service Discount Promo
- ATP - Cisco Telepresence
- ATP - Customer Voice Portal
- ATP - Network Hosted Storage
- ATP - Outdoor Wireless Mesh
- ATP - Rich Media Communications
- ATP - Unified Contact Center Enterprise
- Managed Services Partner
- Cisco Powered Managed Unified Communications
- Cisco Powered Managed Security
- Registered Partner

CDW•G Cisco Specialists and their Certifications

CDW•G has a team of LAN/WAN, Security, UC Design and Server Storage Specialists on hand who hold Cisco certifications from CCNA and CCDA all the way to the highest honor, CCIE. We have more than 1,600 Cisco Certified employees who are available to our customers, as well as to our internal staff, with the following certifications.*

- 1,238 CSE (Cisco Sales Expert)

- 159 CCNA (Cisco Certified Network Associate)
- 99 CCDA (Cisco Certified Design Associate)
- 94 CCNP (Cisco Certified Network Professional)
- 42 CCDP (Cisco Certified Design Professional)
- 52 CCIE (Certified Internetwork Expert; 2 Double and 2 Triple)
- 66 CCVP (Cisco Certified Voice Professional)
- 7 CCIP (Cisco Certified Internetwork Professional)

*Numbers are current as of January, 2010.

Appendix B – Cisco IronPort Default Web Filtering Categories

Adult

Examples:

- www.cybereroticnews.com
- www.dansex.dk
- www.cqsex.com
- www.crotchrocket.us
- www.toerotique.com

Sites directed to adults, but not necessarily pornographic sites. Sites may include adult clubs (strip clubs, swingers clubs, escort services, strippers); general information about sex, non-pornographic in nature; genital piercing; adult products or greeting cards; information about sex not in the context of health or disease.

Advertisements

Examples:

- www.doubleclick.com
- www.banners.yellowpages.co.uk
- www.ads.msn.com
- www.affiliateclicks.com
- www.arc6.msn.com

Banner and pop-up ads that often accompany a webpage; other advertising sites that provide advertisement content.

Alcohol and Tobacco

Examples:

- www.smokers.com
- www.michiganbrewersguild.org
- www.johnniewalker.com
- www.cigaraficionado.com
- www.lvcwines.com

Beer, wine, spirits (beer and wine making, cocktail recipes, liquor sellers, wineries, vineyards, breweries); mixed drinks; tobacco; pipes and smoking products.

Arts and Entertainment

Examples:

- www.kidrock.com
- www.guitarist.co.uk
- www.entertainment.yahoo.com
- www.drudgereportarchives.com
- www.nycballet.com

Galleries and exhibitions; artists and art; photography; literature and books, publishing; movies; performing arts and theater; music and radio; television; celebrities and fan sites; design; architecture; entertainment news, entertainment venues; humor.

Business and Industry

Examples:

- www.smithbearing.com
- www.paychex.com

- www.newholland.com
- www.adsonwheels.com
- www.cat.com

Sites involved in business-to-business transactions of all kinds. Advertising, marketing, commerce, corporations, business practices, workforce, human resources, transportation, payroll, security and venture capital; office supplies; industrial equipment (process equipment), machines and mechanical systems; heating equipment, cooling equipment; materials handling equipment; packaging equipment; manufacturing (solids handling, metal fabrication, construction and building); passenger transportation; commerce; industrial design; construction, building materials; industrial design; shipping and freight (freight services, trucking, freight forwarders, truckload carriers, freight/transportation brokers, expedited services, load and freight matching, track and trace, NVOCC, railroad shipping, ocean shipping, road feeder services, moving and storage); online meetings.

Cheating and Plagiarism

Examples:

- www.schoolsucks.com
- www.thesis-statements.com
- www.academictermpapers.com
- www.cheathouse.com
- www.nursingpapers.com

Sites promoting cheating and selling written work (such as term papers) for plagiarism.

Child Pornography

Examples:

- No examples can be legally/ethically given.

Sites that host child pornography and pedophilia-related content. Includes the list from the Internet Watch Foundation (IWF).

Computer security

Examples:

- www.abuse.net
- www.activesecuritymonitor.com
- www.iisprotect.com
- www.securityfocus.com
- www.sectools.org

Sites that offer security products and services for corporate and home users.

Computers and Internet

Examples:

- www.wallpapers.com
- www.unicode.org
- www.redhat.com
- www.msexchange.org
- www.geeksquad.com

Information about computers and software, such as hardware, software, software support sites; information for software engineers, programming and networking;

website design; the web and Internet in general; computer science; computer graphics and clipart.

Cults

Examples:

www.churchofsatan.com
www.voodoo.de
www.hexen.org
www.magical-lights.de
www.heavensgate.com

Cults and cult behavior.

Dating

Examples:

- www.catholicmatch.com
- www.collegeluv.com
- www.allpersonals.com
- www.eharmony.com
- www.farmersonly.com

Dating sites, online personals, matrimonial agencies, and sites with other similar content.

Dining and Drinking

Examples:

- www.southcitygrill.com
- www.chilis.com
- www.elnuevorodeo.com
- www.chefmoz.org
- www.cookingmarvel.com

Eating and drinking establishments; restaurants, bars, taverns, and brewpubs; restaurant guides and reviews.

Education

Examples:

- www.ucla.edu
- www.pearsonhighered.com
- www.k12.ca.us
- www.homeworknow.com
- www.gedpractice.com

Education-related sites and web pages such as schools, colleges, universities, teaching materials, and teachers resources; technical and vocational training; online training; education issues and policies; financial aid; school funding; standards and testing.

File Transfer Services

Example:

- www.dropbox.com

Sites with the primary purpose of providing download services and hosted file sharing.

Filter Avoidance

Examples:

- www.proxyblind.org
- www.the-cloak.com
- www.proxybuster.net
- www.youhide.com
- www.zend2.com

Web pages that promote and aid undetectable and anonymous web usage.

Finance

Examples:

- www.finance.yahoo.com
- www.usbank.com
- www.nasdaq.com
- www.lendingtree.com
- www.shopyourmortgage.ca

Sites and information that are primarily financial in nature, such as accounting practices and accountants, taxation, taxes, banking, insurance, investing, information relating to the stock market, stocks, bonds, mutual funds, brokers, stock analysis and commentary, stock screens, stock charts, IPOs, stock splits, the national economy, personal finance involving insurance of all types, credit cards, retirement and estate planning, loans, and mortgages.

Freeware and Shareware

Examples:

- www.all-freeware.com
- www.download.com
- www.freewarefiles.com
- www.onlyfreewares.com
- www.uberdownloads.com

Sites that provide downloading of free and shared software.

Gambling

Examples:

- www.eurobet.co.uk
- www.pokerworld.com
- www.onlinepokernews.com
- www.bodog.com
- www.blindbetpoker.com

Casinos and online gambling sites; bookmakers and odds; gambling advice; competitive racing in a gambling context; sports booking; sports gambling.

Games

Examples:

- www.netdevil.com
- www.games.com
- www.games.yahoo.com
- www.pogo.com
- www.cheatworld.com

Various card games, board games, word games, and video games; computer games and Internet games (such as role playing games); combat games; sports games; downloadable games; game reviews; cheat sheets.

Government and Law

Examples:

- www.texas.gov
- www.legalzoom.com
- www.fenwick.com
- www.comcast.net/news/politics
- www.barackobama.com

Foreign relations; news and information relating to politics and elections, such as politics, political parties, election news, and voting; sites and information relating to the field of law, such as attorneys, law firms, law publications, legal reference material, courts, dockets, and legal associations; legislation and court decisions; civil rights issues; immigration; patents and copyrights; sites and information relating to law enforcement and correctional systems; sites related to crime, crime reporting, law enforcement, and crime statistics; sites relating to the military, such as the armed forces, military bases, military organizations, and military equipment; anti-terrorism.

Hacking

Examples:

- www.crackfind.com
- www.hackthissite.org
- www.dirkster.com
- www.trinsic.org
- www.sweethacks.com

Sites discussing ways to hack into websites, software, and computers.

Hate Speech

Examples:

- www.panzerfaust.com
- www.bloodandhonour.com
- www.kkk.com
- www.nazi.org
- www.blacksandjews.com

Hate-related sites involving racism, sexism, or racist theology; hate music; Christian identity religions; World Church of the Creator; Neo-Nazi organizations (Aryan Nations, American Nazi parties, Neo-Nazis, Ku Klux Klan, National Alliance, White Aryan Resistance, white supremacists); National Socialist Movement; Holocaust denial.

Health and Nutrition

Examples:

- www.webmd.com
- www.health.gov
- www.stjohns.com
- www.lowcarb.ca
- www.fitness.com

Health care; diseases and disabilities; medical care; hospitals; doctors; medicinal drugs; mental health; psychiatry; pharmacology; exercise and fitness; physical disabilities; vitamins and supplements; sex in the context of health (disease and health care); tobacco use, alcohol use, drug use, and gambling in the context of health (disease and health care); food in general; food and beverage; cooking and recipes; food and nutrition, health, and dieting; cooking, including recipe and culinary sites.

Illegal Activities

Examples:

- www.lockpicksonline.com
- www.grokster.com
- www.anarchistcookbook.com
- www.directwarez.com
- www.ddlshark.com

Pages that promote crime, such as stealing, fraud, "phreaking," and cracking; "warez" and pirated software; computer viruses; terrorism, bombs, and anarchy; sites depicting murder and suicide, as well as explaining ways to commit such acts.

Illegal Drugs

Examples:

- www.marijuana.com
- www.sporeworks.com
- www.clearstest.com
- www.bcseeds.com
- www.drugs-plaza.com

Information about recreational drugs and drug paraphernalia, as well as their purchase and manufacture.

Infrastructure

Examples:

- www.example.com
- www.akamai.net
- www.imagenet.co.uk
- www.edgecastcdn.net
- www.webstat.net

Content delivery infrastructure and dynamically generated content. These cannot be more specifically categorized because the pages are secured or otherwise difficult to categorize.

Instant Messaging

Examples:

- www.messenger.yahoo.com
- www.meebo.com
- www.friendvox.com
- www.aimonpsp.com
- www.buddy4u.com

Web-based instant messaging.

Internet Telephony

Examples:

- www.aussievoip.com.au
- www.downloadsquad.com/category/voip
- www.skypepc.com
- www.simplecall.net
- www.packet8.net

Sites that provide telephonic services using the Internet.

Job Search

Examples:

- www.jobs.com
- www.siena.edu/careercenter
- www.policeemployment.com
- www.novastaffinginc.com
- www.monster.de

Career advice, advice on resume writing and interviewing skills, job placement services, job databanks, permanent and temporary employment agencies, and employer sites.

Lingerie and Swimsuits

Examples:

- www.victoriasecret.com
- www.sportsillustrated.cnn.com/swimsuit
- www.henryandjune.com
- www.lingeriediva.com
- www.lingeriebowl.com

Intimate apparel, especially when modeled.

Lottery and Sweepstakes

Examples:

- www.calottery.com
- www.state.nj.us/lottery
- www.powerball.com
- www.hoosierlottery.com
- www.national-lottery.co.uk

Sweepstakes, contests, and lotteries.

Mobile Phones

Examples:

- www.shop.orange.co.uk
- www.savemysms.fr
- www.smartphonemag.com
- www.sprint.com
- www.jamster.com

Sites that provide short message services (SMS); ringtones.

Nature

Examples:

- www.nature.org
- www.enature.com

- www.fs.fed.us
- www.roselinebunnies.com
- www.chicagobotanic.org

Natural resources; ecology and conservation; forests; wilderness; plants; flowers; forest conservation; forest, wilderness, and forestry practices; forest management (reforestation, forest protection, conservation, harvesting, forest health, thinning, and prescribed burning); agricultural practices (agriculture, gardening, horticulture, landscaping, planting, weed control, irrigation, pruning, and harvesting); pollution issues (air quality, hazardous waste, pollution prevention, recycling, waste management, water quality, and the environmental cleanup industry); animals, pets, livestock, and zoology; biology; botany.

News

Examples:

- www.cnn.com
- www.abcnews.com
- www.news9.com
- www.koreatimes.co.kr
- www.nytimes.com

News; headlines; newspapers; TV station websites.

Non-Sexual Nudity

Examples:

- www.simplenudes.com
- www.barenakedgallery.com
- www.fineartnude.com
- www.grex.com
- www.erosgallery.net

Nudism/nudity; nudist camps; artistic nudes.

Online Communities

Examples:

- www.reptileforums.co.uk
- www.photo.net
- www.wendyjohnson.net
- www.threadoftheday.com
- www.startrek.com

Personal web pages; affinity groups; special interest groups; professional organizations for social purposes; personal photo collections; web newsgroups; e-cards; message boards.

Online Storage and Backup

Examples:

- www.angelbackup.com
- www.ibackup.com
- www.myotherdrive.com
- www.elephantdrive.com
- www.allmydata.com

Sites providing offsite and peer-to-peer storage for backup, sharing, and hosting.

Online Trading

Examples:

- www.tdwaterhouse.com
- www.tradingdirect.com
- www.scottrade.com
- www.pricegroup.com
- www.orionfutures.com

Online brokerages; sites that enable the user to trade stocks online.

Paranormal and Occult

Examples:

- www.witchcraft.com
- www.tarot.com
- www.spiritualguidance.com
- www.horoscopes.aol.com
- www.californiapsychics.com

Non-mainstream approaches to life. Occult practices, such as esoteric magic, voodoo, witchcraft, and spell casting; fortune telling practices, such as the I Ching, numerology, psychic advice, and Tarot; paranormal sites, such as out of body experience, astral travel, and séances; astrology and horoscopes; UFOs and aliens.

Peer File Transfer

Examples:

- www.bittorrent.com
- www.downloadaccess.net
- www.filesoup.co.uk
- www.piratebay.org
- www.limewire.com

Peer-to-peer file request sites. This does not track the file transfers themselves.

Pornography

Examples:

- www.playboy.com
- www.penthouse.com
- www.hustler.com
- www.vivid.com
- www.xxx.com

Sexually explicit text or depictions. Includes nude celebrities, anime and XXX cartoons; general XXX depictions; material of a sexually violent nature (bondage, domination, sadomasochism, torture, rape, spanking, snuff, fantasy death, necrophilia); other fetish material (foot/legs, infantilism, balloon sex, latex gloves, enema, pregnant women, pony play, BBW, bestiality); XXX chat rooms; sex simulators; homosexual pornography; sites that offer strip poker; adult movies; lewd art; web-based pornographic email.

Real Estate

Examples:

- www.realtor.com
- www.zillow.com
- www.remax.com

- www.joannekizerrealestate.com
- www.rockfordhomesinc.com

Information that would support the search for real estate. Includes office and commercial space; real estate listings, such as rentals, apartments, and homes; house building; roommates and other dwelling-related items.

Reference

Examples:

- www.weather.com
- www.timezoneconverter.com
- www.metrocommute.com
- www.maps.google.com
- www.dictionary.com

City and state guides; maps, weather, and time; reference sources; dictionaries; libraries; museums; ski conditions; personal information; mass transportation, such as consumer mass transit information (bus, commuter train, subway, airport) and schedules.

Safe for Kids

Examples:

- www.webkinz.com
- www.kinderthemes.com
- www.kids.nationalgeographic.com
- www.nickjr.com
- www.pingu.net

Sites directed toward, and specifically approved for, young children.

Science and Technology

Examples:

- www.technologyreview.com
- www.space.com
- www.awea.org
- www.ieee.org
- www.carbonpower.com

Sites involving science and technology, such as aerospace, electronics, engineering, mathematics, and other similar subjects; space exploration; meteorology; geography; environment; energy (oil, nuclear, wind, sun); communications (telephones, telecommunications).

Search Engines and Portals

Examples:

- www.google.com
- www.baidu.com
- www.bing.com
- www.kablum.com
- www.kellysearch.com

Web directories and search engines that often serve as homepages, such as Yahoo!, Excite, MSN, Alta Vista, and Google.

Sex Education and Abortion

Examples:

- www.prochoice.org
- www.prolife.com
- www.teensource.org
- www.mens-sexual-health.org
- www.dontcrossyourfingers.co.uk

Sites regarding sex education, contraception, family planning, information about, or descriptions of, abortion procedures, such as abortion pills, medical abortions, or surgical abortions, abortion clinics and abortion providers.

Shopping

Examples:

- www.ticketmaster.com
- www.radioshack.com
- www.pier1.com
- www.amazon.com
- www.ecco.com

Auctions; bartering; online purchasing; coupons and free offers; yellow pages; classified ads; general office supplies; online catalogs; online malls.

Social Networking

Examples:

- www.myspace.com
- www.facebook.com
- www.linkedin.com
- www.twitter.com
- www.badoo.com

Sites that provide social networking such as MySpace, Facebook, and Twitter.

Social Science

Examples:

- www.templarhistory.com
- www.civilwar.com
- www.abrp.org
- www.languagelearninglab.com
- www.sociologyonline.net

Archaeology; anthropology; cultural studies; economics; history; linguistics; philosophy; political science; psychology; theology; women's studies.

Society and Culture

Examples:

- www.christianity.com
- www.women.com
- www.unitedway.org
- www.safekids.com
- www.hairfinder.com

Family and relationships; religions; ethnicity and race; social organizations; genealogy; seniors; clothing and fashion; spas; hair salons; cosmetics (skin care for diseases or conditions may be categorized as "health and nutrition"); hobbies; do-it-

yourself; toys for kids; model and remote-controlled cars; toy soldiers; childcare.
Software updates Sites that host updates for software packages.

Spiritual Healing

Examples:

- www.touchingspirit.org
- www.spiritual-medium.com
- www.mountainvalleycenter.com
- www.holisticmed.com
- www.dancing-bear.com

Spiritual healing; alternative approaches to health, both physical and mental.

Sports and Recreation

Examples:

- www.espn.go.com
- www.sports.yahoo.com
- www.nfl.com
- www.fantasyfootball.com
- www.hickoryhawks.org

All sports, professional and amateur; recreational activities; hunting; fishing; fantasy sports; gun and hunting clubs; public parks; amusement parks; water parks; theme parks; zoos and aquariums.

Streaming Media

Examples:

- www.wired.com/news/radio
- www.warm1069.com
- www.pandora.com
- www.blip.tv
- www.capitalfm.co.uk

Sites that involve net radio, net TV, webcasts, streaming audio, streaming video.

Tasteless or Obscene

Examples:

- www.torture-museum.com
- www.scatworld.net
- www.theelectricchair.com
- www.cadaver.org
- www.ehowa.com

Sites that offer tasteless, often gory photographs, such as autopsy photos, photos of crime scenes, or crime or accident victims; sites displaying excessive obscene material.

Tattoos

Examples:

- www.tattoo.com
- www.tattoosbyhoss.com
- www.rankmytattoos.com
- www.coolshop.com
- www.alohamonkeytattoo.com

Pictures and text relating to body modification; tattoos and piercing venues; articles and information about tattoos and piercing; body painting.

Transportation

Examples:

- www.volkswagen.com
- www.transwestgmc.com
- www.mgscustombikes.com
- www.autobytel.com
- www.autos.msn.com

Sites concerned with personal transportation, information about cars and motorcycles, shopping for new and used cars and motorcycles, car clubs, boats, airplanes, recreational vehicles (RVs), and other similar items. (Note: Auto and motorcycle racing is categorized as "Sports and Recreation").

Travel

Examples:

- www.travelocity.com
- www.travel.yahoo.com
- www.yellowstone.net
- www.russia-travel.com
- www.hyatt.com

Business and personal travel; travel information; travel resources; travel agents; vacation packages; cruises; lodging and accommodations; travel transportation (flight booking, airfares, renting cars); vacation homes.

Violence

Examples:

- www.realights.com
- www.severe-spanking.com
- www.justights.com
- www.facesofdeath.com
- www.maafa.org

Sites related to violence and violent behavior.

Weapons

Examples:

- www.northcoastknives.com
- www.gunsworld.com
- www.gunsmagazine.com
- www.colt.com
- www.army.mod.uk/equipment

Sites or information relating to the purchase or use of conventional weapons, such as gun sellers, gun auctions, gun classified ads, gun accessories, gun shows, or gun training; general information about guns; other weapons (knives, brass knuckles) may also be included.

Web Hosting

Examples:

- www.rackspace.com

- www.godaddy.com
- www.1and1.com
- www.startlogic.com
- www.doteasy.com

Sites that provide website hosting services.

Webpage Translation

Examples:

- www.babelfish.yahoo.com
- www.google.com/language_tools
- www.itools.com/lang
- www.lingro.com
- www.online-translator.com

Sites that translate web pages between languages.

Web-Based Chat

Examples:

- www.teenchat.com
- www.freechatnow.com
- www.chat.realtruck.com
- www.chatango.com
- www.chatzy.com

Web-based chat sites.

Web-Based Email

Examples:

- www.mail2web.com
- www.mail.google.com
- www.mail.yahoo.com
- www.webmail.covad.net
- www.outlook.monroecollege.edu/exchange

Email portals and email messages ported through the web.

Appendix C – Cisco ScanSafe Default Filtering Categories

ScanSafe offers the following URL categories. Additional websites can be blocked / allowed on a URL basis.

Alcohol

Includes Websites that deal with alcohol as a pleasurable activity (e.g. wine, beer, liquor, breweries) and the Websites of alcohol distributors.

Anonymous Proxies

Includes Websites that allow users to anonymously view Websites.

Art/Museums

Includes Websites from the area of theatre, museums, exhibitions, photography, graffiti, etc.

Auctions/Classified Ads

Includes Websites with online/offline auction sites, auctions houses and online/offline advertisements.

Banking

This category contains Websites such as banks, credit unions, credit cards and online bank accounts.

Building/Residence/Furniture

This category contains Websites such as property markets, furniture markets, ads, equipment, design, building industry and handcraft.

Business/Services

This category includes corporate Websites and general service providers.

Chat

This category contains Websites that allow users to have a direct exchange of information with another user from place to place. Also listed are chat room providers and offerings about Instant Messaging.

Cinema

Includes Websites in the area of cinema, television, program information, video-streaming, Websites about celebrities and other entertainment sites.

Computer Crime

Includes Websites containing information about the illegal manipulation of electronic devices, data networks and password encryption, as well as about credit card misuse and other methods of Internet fraud. Includes spyware and phishing sites, as well as sites providing manuals for virus and Trojan horses programming, malicious adware applications and malicious Web code.

Computer Games

Includes Websites of computer games, computer game producers, cheat sites, online gaming zones, gaming clans and others gambling sites without chances of profit.

Dating/Relationships

This category contains Websites that promote interpersonal relationships and escort services.

Digital Postcards

Includes Websites that allow people to send digital postcards via the Internet, and also the providers of these services.

Education

Includes the Websites of universities, colleges, public schools, schools, kindergartens, adult education, course offerings, history, law, dictionaries, encyclopedias and any topic hosted on universities servers.

Erotic/Sex

Includes Websites containing nude photography and erotic material, as can be found on television or obtained free of charge from magazines. Sexually explicit activities are not listed here. Includes erotic collections of celebrities' pictures as well.

Extreme

Includes Websites that are normally assigned to other categories, but are particularly extreme in their content (e.g. violence).

Fashion/Cosmetics/Jewelry

This category contains Websites about of fashion (clothing, accessories), cosmetics, jewelry, perfume, modeling agencies and other beauty related sites.

Gambling

Includes lottery organizations, casinos, betting agencies and other gambling sites with chances of profit.

General News/Newspapers/Magazines

This category contains Websites that inform about general news, including magazines, newspapers, and magazines targeted also at younger audiences.

Governmental Organizations

Includes Websites with content for which governmental organizations are responsible (e.g. government branches or agencies, police departments, fire departments, hospitals, military, civil defense, counterterrorism organizations) and large government organizations such as the United Nations or the European Community.

Hate and Discrimination

Includes Websites with extreme right and left wing groups, sexism, racism, religious hate, suppression of minorities and the belittlement of National Socialism.

Health/Recreation/Nutrition

This category contains Websites about medicine and medical care such as hospitals, doctors, drugstores, psychology, nursing, pharmaceuticals, health food stores and diet.

Humor

This category contains sites with jokes, sketches, comics and sites with other humorous content.

Illegal Activities

Includes activities that are illegal according to regional law such as instructions for murder, manuals for bomb building, instructions for illegal activity, child pornography, instructions for cheating, etc.

Illegal Drugs

This category contains Websites about LSD, heroin, cocaine, XTC, pot, amphetamines, hemp, stimulant drugs and the utilities for drug use (e.g. water pipes).

Illegal Software

This category contains sites with software cracks, license key lists and illegal license key generators.

Information Security

This category contains Websites that inform people about security, privacy and data protection in the Internet and in other bandwidth services such as telecommunications.

Job Searches

Includes Websites within the area of job offerings, job searches, job agencies, labor exchanges, temporary work, career planning, and applications for employment (CV), etc.

Music

Includes Websites for radio, Web radio, sound files (MP3, Wav, etc.), Real Audio, homepages of singers and bands, entertainer, record labels and music vendors.

Newsgroups/ Bulletin Boards

This category contains Websites that enable the sharing of information such as on a bulletin board. Includes blogging and visitors' book servers as well.

Non-Governmental Organizations

Includes the Websites of non-governmental organizations such as clubs, lobbies, communities, non-profit organizations and labor unions.

Online Shopping

Includes Websites with online shops, where there is the possibility to select from a product range and order online. Includes shopping consulting, pricing and other shopping services.

Pharmacy/Drugs

This category contains Websites from the pharmacy branch, as well as drugstores and information about pharmaceuticals.

Political Parties

This category contains Websites of political parties and those sites that provide information about a particular political party and different political topics (election, democracy, etc.).

Pornography

Includes Websites containing the depiction of sexually explicit activities and erotic content unsuitable to persons under the age of 18.

Private Homepages

This category contains Websites about and from private individuals. Includes personal homepage servers and other sites with personal contents and activities.

Promo/Advertising

This category contains Websites for product promotion and advertising issues with a short term durability e.g. advertisement resources received by email.

Recreational Facilities

This category contains organizations for recreational activities, for example public swimming pools, zoos, fairs and amusement parks.

Religions

Includes Websites with religious content, information about the five main religions, and religious communities that have emerged out of these religions.

Restaurants/Bars

This category contains Websites about bars, restaurants, discos and fast food restaurants.

Search Engines/Web Catalogues/Portals

This category contains search engines, Web catalogues and Web portals.

Shares/Stocks

Includes Websites that handle stock exchanges rates, and deal exclusively with the main stocks like finance, brokerage and online trading. Includes Websites about bonds, foreign currency and precious metals as well.

SMS/Ring Tones/Logos

Includes Websites that enable a user to send short messages via SMS through the Internet to a mobile phone. It also includes providers and services for mobile phone accessories such as games, ring tones and covers.

Software and Hardware Vendors/Distributors

This category contains the complete software and hardware area. It includes the producers of hardware within the area of information, measurements and controls, as well as producers of electronic equipment. The software area includes vendors of software, freeware and shareware and software distributors. Also includes offerings concerning scripts, tolls, drivers, tutorials and other contents in the software/hardware area.

Sports

This category contains Websites such as resort sports, fan clubs, events (e.g. Olympic Games, World Championships), sport results, clubs, teams and sporting federations, magazines and fan sites.

Swimwear/Lingerie/Nudity

Includes Websites containing nudity, but with no sexual references. Includes illustration of swimwear and lingerie as well.

Tobacco

Includes Websites dealing with tobacco and smoking (cigarettes, cigars, pipes), and Websites from tobacco vendors.

Translation

This category contains Websites that enable the translation of parts or the entire content of a Website into another language. Dictionaries and 'language' topics are not listed here.

Travel

Includes Websites about destinations, monuments, buildings, sights, travel agencies, hotels, resorts, motels, airlines, trains, car rental agencies and general tourist and travel information.

Unclassified

This category is the default category for any site that is pending classification.

Weapons

This category deals with firearms and accessory, weapons such as knives, ammunition and tear gas, other weapons and Websites of military/paintball topics.

Web Hosting/Bandwidth Services

Includes offerings and services for publication of Internet sites (such as Web hosting, Web design, advertising and marketing companies), domain registration and Internet Service Providers as well as providers of broadband services and others related topics.

Web Mail

This category contains Websites that enable Internet users to send or receive emails through the Internet (mailbox). All providers of Web mail services are categorized here as well.



Appendix D – CDW Government LLC Legal Disclaimer

All information and documents hereby submitted as a proposal (Proposal) in response to the Request for Quotation and Request for Proposal (RFP) furnished by the State of West Virginia (Customer) are the property of and are proprietary to CDW Government LLC (Seller). Notwithstanding anything to the contrary contained in the RFP, the Purchasing Affidavit between Seller and Customer executed on January 28, 2010, as agreed upon and amended by the parties upon award, shall govern this RFP and is included at Appendix E. At the time of award, the parties will conduct a negotiation of any additional terms and conditions in good faith. Notwithstanding the foregoing, any prices or other privileges contemplated in the RFP shall commence on the effective date of agreement between the parties.



Appendix E – Purchasing Affidavit

BOB MANCHINI II
GOVERNOR

STATE OF WEST VIRGINIA
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2079 WASHINGTON STREET, EAST
P.O. BOX 50190
CHARLESTON, WEST VIRGINIA 25305-0190

ROBERT W. FERGUSON, JR.
COMPTROLLER
DAVID TINCHER
DIRECTOR

January 19, 2010

Joanne Homer
CDW Government
230 N. Milwaukee Ave.
Vernon Hills IL 60061

Subject: SIP2008B


Dear Ms. Homer:

The State of West Virginia is offering to renew subject contract under the same terms, conditions and pricing. The renewal dates are May 1, 2010 through April 30, 2011. If your company agrees to this renewal, please sign below and return the original to my attention as soon as possible.

Also attached is an Affidavit that is to be part of the purchase order and is required to be signed and dated.

Please call if you have any questions.

Very truly yours,


Jeff Adkins
Buyer Supervisor
304.558.8802

Attachment

We agree to renew the contract for the period as stated above under the same terms and conditions in the original purchase order and any change orders thereto.


Name/Signature

29 January 2010
Date

Reviewed
By


Director Program Sales
Title

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT**

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, Limited Liability Company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentally established by a county or municipality; any separate corporation or instrumentally established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATUREVendor's Name: CDW Government LLCAuthorized Signature: [Signature] Date: 28 January 2010State of ConnecticutCounty of New Haven to-wit:Taken, subscribed, and sworn to before me this 28th January day of January, 2010My Commission expires August 31, 2014ELANIE M. HENNESSY
NOTARY PUBLIC
COMMISSION EXPIRES AUG. 31, 2014

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]

Appendix F – Glossary of Acronyms

ASA	Adaptive Security Appliance
CLI	Command Line Interface
CPOC	Customer Proof of Concept
DISA	Defense Information Systems Agency
DVS	Dynamic Vectoring and Streaming
EULAs	End-User License Agreements
EUN	End-User Notification
FTP	File Transfer Protocol
GUI	Graphical User Interface
HTTP	Hypertext Transfer Protocol
ISPs	Internet Service Provider
L4TM	Layer-4 Traffic Monitor
LDAP	Lightweight Directory Access Protocol
MTBF	Mean Time Between Failure
R&D	Research and Development
RFI	Request for Information
SaaS	Software as a Service
SHD	System Health Daemon
SSL	Secure Sockets Layer
SSO	Single Sign On
URL	Uniform Resource Locator
WBNP	Web-Based Network Participation
WBRs	Web-Based Reputation Server
WRS	Web Reputation Score
WSAs	Web Security Appliances
RAID	Redundant Array of Independent Disks
SNMP	Simple Network Management Protocol

Appendix G – WVDE Addendum No. 1



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 EDD327891

PAGE
 1

ADDRESS (CORRESPONDENCE TO ATTENTION OF)
 SHELLY MURRAY
 101-558-8801

PROPOSOR

CDW
 2 ENTERPRISE DRIVE SUITE 404
 SHELTON CT 06484

SHIP TO

DEPARTMENT OF EDUCATION
 BUILDING 6
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0330

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS		
05/04/2010						
BID OPENING DATE: 05/19/2010		BID OPENING TIME: 01:30PM				
LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS	920-45	INTERNET FILTERING AND REPORTING SOLUTION		
THIS ADDENDUM IS ISSUED TO ADDRESS THE QUESTIONS RECEIVED PRIOR TO THE QUESTION SUBMISSION DEADLINE OF 04/27/2010. THE BID OPENING DATE IS EXTENDED: FROM: 05/13/2010 TO : 05/19/2010 EXHIBIT 10 REQUISITION NO.: EDD327891 ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC. ADDENDUM NO.'S: NO. 1 <input checked="" type="checkbox"/> NO. 2 NO. 3						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**Request for
 Quotation**

RFP NUMBER	PAGE
EDD327891	2
ADDRESS CORRESPONDENCE TO ATTENTION OF	
SHELLY MURRAY 304-558-8801	

RFQ COPY

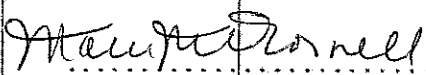
TYPE NAME/ADDRESS HERE

S I P I O

DEPARTMENT OF EDUCATION
 BUILDING 6
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0330

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/04/2010				

BID OPENING DATE	BID OPENING TIME
05/19/2010	01-30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
NO. 4						
NO. 5						
<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: right;">  Maureen O'Connell, Proposals Manager SIGNATURE CDW Government LLC COMPANY May 18, 2010 DATE </p> <p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>----- END OF ADDENDUM NO. 1 -----</p>						

All questions within the addendum are acknowledged. We present below the additional information requested.

Question #16: What OS will be required support by the mobile client software?

Response: Microsoft Windows XP and newer version of the Microsoft Windows operating systems. In your response, please include any other operating systems your mobile client can support.

CDW•G Response:

Cisco's ScanSafe solution provides compatibility with the following operating systems:

- Windows XP
- Windows Vista
- Windows 7

Appendix H – CDW•G Cisco Letter of Authorization



March 4, 2010

To whom it may concern:

CDW Government is a Cisco Gold Certified partner, with specializations in Wireless LAN, Data Center Networking, Routing & Switching, Cisco TelePresence, Wireless Mesh, Unified Contact Center Enterprise, Network Hosted Storage and Customer Voice Portal.

CDW Government is also a Master Certified Partner in Security and Unified Communications along with a Managed Channel Services Partner.

Sincerely,
Joan Mailander
Channel Account Manager
Cisco Systems, Inc.



Why buy from CDW·G?



CDW-G Quick Facts

- CDW Government LLC (CDW-G®), a wholly owned subsidiary of CDW LLC, specializes in serving the federal government, prime contractors, state and local governments, K-12 and higher education customers.
- CDW-G ships most credit-approved, in-stock orders the same day. More than 100,000 products ship daily with an accuracy rate over 99 percent.
- Our state-of-the-art, strategically located distribution centers provide nearly 1 million square feet of warehousing and configuration space.
- On average, our technicians customize approximately 3500 combined configurations per day to customers' specifications.

Services to Make Your Life Easier

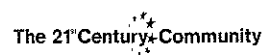
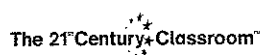
- Our on-staff engineers and advanced technology specialists can customize solutions for customers' complex technology needs.
- Our specialty teams include experts in the areas of servers and storage, unified communications, security, wireless, power and cooling, networking, software licensing and mobility solutions.
- We provide a portfolio of value-added services including web-based tools, ROI calculators, the ability to have large quantities of IT systems, automated software license management and asset management.
- We work with a trusted network of service providers to offer IT services such as onsite installations, warranties and managed services.
- Our Hosting Centers deliver hosted applications, collocation and managed services to customers nationwide (this service is offered to K-12, Higher Education, and State and Local customers only).
- CDW-G provides onsite staff augmentation, onsite maintenance contracts, IMAC services (installations, moves, adds and changes), system-imaging, brand-name hardware and software customizations, and asset tagging.
- Training programs for CDW-G customers are offered through a number of educational training companies, including KnowledgeNet and Productivity Point International.

CDW-G Strengths

- CDW-G offers more than 1000 leading technology brands of hardware, software, peripheral products and services support.
- Customers get advice and support from a dedicated account team that leads the industry in public sector customer service and product knowledge.
- CDW-G holds dozens of contracts and preferred vendor awards for federal government, state and local government, and educational institutions.
- My Account extranets provide customized access to a customer's account team, product information, purchase history, quotes and order status — plus manage asset-tagged items and order configured systems.
- CDW-G's Software License Tracker extranet tool allows customers to track licensing agreements and expiration dates, generate standard reports or create custom layouts and schedule reports for delivery via e-mail.
- CDW-G's Small Business Partner Consortium pairs companies whose capabilities help federal technology customers fulfill small business contracting goals and meet IT purchasing requirements.

CDW and CDW-G Accolades and Awards

- No. 47 on the Top 100 Military Friendly Employers — G.I. Jobs (2010)
- No. 41 on Forbes List of America's Largest Private Companies *Forbes Magazine* (November 2009)
- Public Sector Mobility Partner of the Year — Cisco Systems, Inc. (2009)
- Federal Partner of the Year — VMware, Inc. (2009)
- Exemplary Voluntary Efforts (EVE) Award — U.S. Department of Labor (October 2008)
- No. 94 of the "100 Best Places to Work in IT" — *Computerworld* (June 2009)
- No. 1 in "America's Most Admired Companies," Wholesalers: Electronics category — *FORTUNE Magazine* (March 2008)
- D&B 5A1 credit rating — highest possible
- ISO 14001:2004 standard
- ISO 9001:2000-certified



800.808.4239 | CDWG.com

