

**This paper is an example that received a
score 40 out of 40 points.**

Network Management Systems

<Name Here>

NetW420: Enterprise Network Management

Professor <Name Here>

DeVry University

Date: <Date Here>

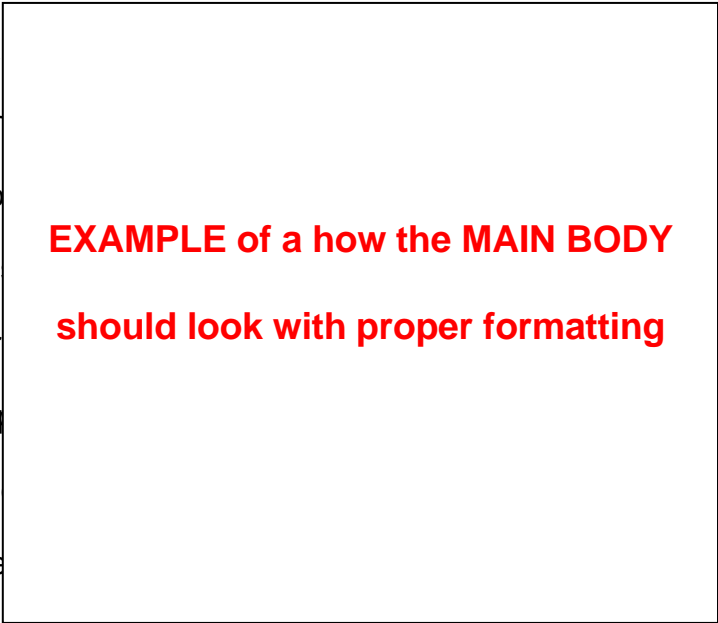
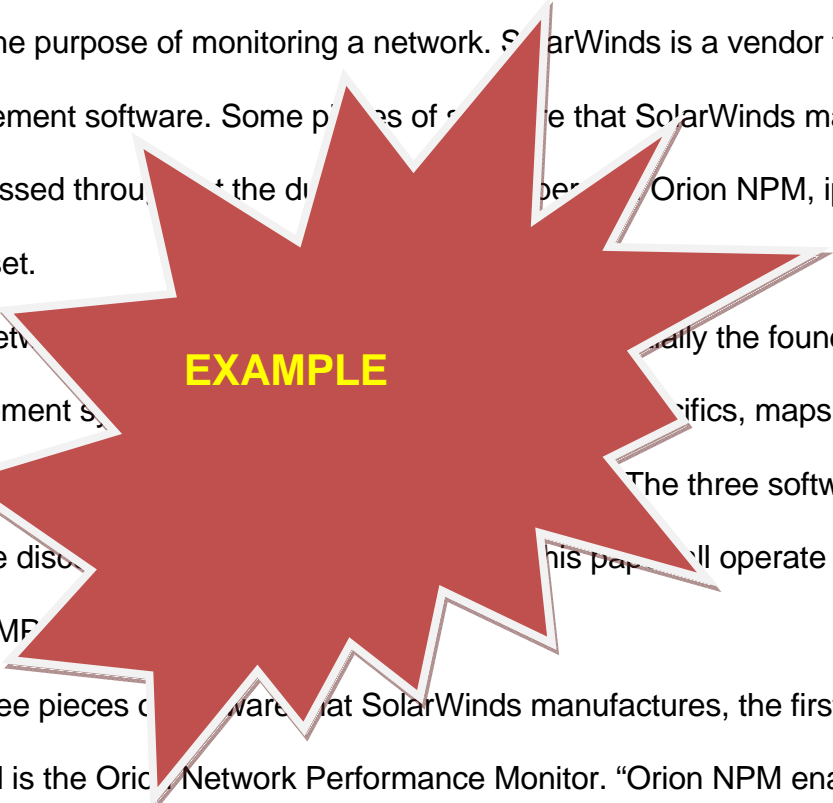
*****EXAMPLE of a Good COVER PAGE*****

A Network Management System refers to a combination of hardware and software that is used for the purpose of monitoring a network. SolarWinds is a vendor that provides Network Management software. Some pieces of software that SolarWinds manufactures and will be discussed throughout the document are Orion NPM, ipMonitor and Engineer's Toolset.

Simple Network Management System (SNMP) is the foundation of a network management system. It provides a set of protocols, standards, and characteristics that will briefly be discussed in this paper. The three software pieces that will be discussed in this paper will operate through the usage of the SNMP.

Of the three pieces of software that SolarWinds manufactures, the first piece that will be discussed is the Orion Network Performance Monitor. "Orion NPM enables you to quickly detect, diagnose, and resolve network outages and performance issues" (Orion,

2009). Orion NPM is a web-enabled tool for monitoring a network. This allows it to be accessed over the internet. Orion NPM allows you to view real-time network statistics for: network performance, network health, and other SNMP enabled devices. The Orion NPM provides you with a broad snapshot of the network, real-time, outages and so forth. This is helpful for network managers so that they can recognize issues and make adjustments to their network. Orion NPM also provides scalable solutions, so that as the network grows, Orion



continues to accommodate that growth. There are many features offered in the Orion NPM management suite such as:

Performance and Fault Management

(See figure to the right), Advanced

Alerting, Integrated Wireless Poller,

Universal Device Power, Network Atlas,

Cisco EnergyWise Monitoring and even

VMware Virtualization Monitoring. There

are also an abundant amount of additional features built-into the Orion NPM management suite that unfortunately will not be discussed throughout the remainder of this paper, but can be researched further in the references provided below.



The next network management suite developed by SolarWinds that will be

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livers out-of-the-box, up/down monitoring

devices, servers, and applications”

tor is capable of building a network map

network. IpMonitor does this through the

as an overview of the status on each of the

work. IpMonitor also has an auto-

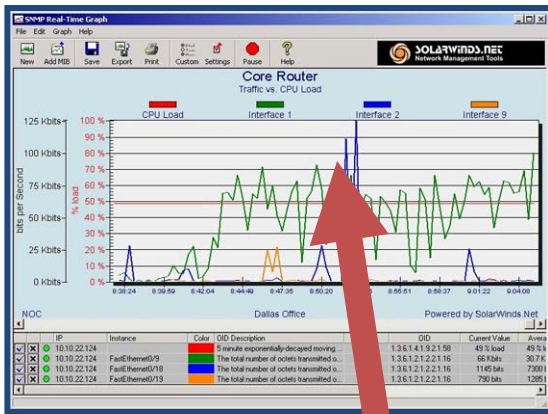
discovery feature that allows it to seamlessly integrate within your network, providing a

network manager efficient statistics and a network map. While ipMonitor does not provide

a vast amount of tools compared to other suites offered by SolarWinds, it does provide

efficient network management services at an affordable price.

The final network management tool developed by SolarWinds that will be discussed within this paper is the Engineers Toolset. “includes a collection of powerful network management tools, all of which can be easily accessed through the new Workspace Studio to quickly resolve issues right from your desktop” (Network, 2009).



Some of the features offered within the Engineers Toolset include: Network Performance Monitor, Bandwidth Gauge, SNMP Real-Time Graph (See figure to the left), Real-Time Interface Monitor, Syslog Server and DHCP Scope Monitor to name a

few. These tools are all listed as monitoring tools, whereas the Engineers Toolkit also provides an abundant amount of additional tools with categories such as: Monitoring Tools, Discovery Tools, Diagnostic Tools and Cisco Tools. The real power of the Engineers Toolset is that it is capable of managing an abundant amount of information of the network similar to the other tools, with the addition of making changes/fixes/tweaks on the fly remotely. So as you

Engineers Toolset in regard

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To conclude, the n were discussed would be the Engineers Toolset. All

tools included within the ped by SolarWinds that or (NPM), ipMonitor and and provide a copious

amount of tools and features. Each fall under the umbrella of being a network management system, while having their own respective purposes and serve those purposes efficiently.

References

IpMonitor network monitoring software from SolarWinds. (n.d.). Retrieved September 14,

2009, from <http://www.solarwinds.com/products/ipmonitor/index.aspx>

Network management tools product information - The Engineer's Toolset from

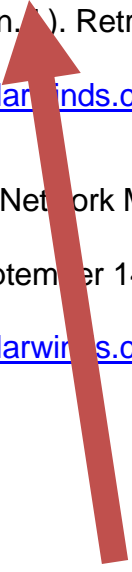
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Orion NPM: Explore Network Monitoring Software Features - SolarWinds. (n.d.).

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**EXAMPLE of a how the
REFERENCES are
identified and formatted**

See next page for grading RUBRIC

The following paper was an OUTSTANDING PAPER – This is the Grading RUBRIC which is outline for each week in the Assignment section.

Assignment Description	Points
Write a two and one-half page report describing a Network Management System identified on a currently-dated vendor web site (Cisco, HP, Sun, SolarWinds, CA, Network General, IBM, etc.) (graded)	
Length: (8 points) Papers must be two and one half pages in length, use a 12 point font, be double spaced, and be in your words. You can reference and quote from your references, but those additions do not count towards your two and one half page requirement.	8
Content: (10 points) Papers must be in your words and cover the research topic given for the week. You can reference and quote from your references, but those additions do not count towards your two and one half page requirement. Using cut and paste and quotes not referenced and presented as your work will result in point deductions. Paraphrases and quotes can add value if they are referenced. However, they do not count towards your minimum two and one half page length requirement.	10
Graphics: (4 points) Graphics from websites need to be included and referenced properly. Graphics do not count toward the length requirement. Graphics must be integrated within main body of the paper and associated with commentary	4
References: (10 points) At least two technical references are required for full credit on each weekly research paper. Note that Wikipedia is not an acceptable reference. Also, the textbook cannot be your only references in a technical paper; it is a nice place to start, but you need something else to count as a reference. The course textbook can be used as a reference; however, you cannot use it as part of your two required references. Deductions for references will be as follows:	10
NO references (10 point deduction)	
References only including the textbook and/or wikipedia (7 point deduction)	
References not in APA format (4 point deduction)	
APA Format: (8 points) Your paper must conform to APA Format " Cover Page - Main Body/Graphics - References ". (Remember, Microsoft Office 2007 has a template for APA Format. Use the MS Office Templates section to search for the APA template.) Note: See Student Resource Center >Writing Source > APA Resource Center for details.	8
Total	40
	/40