

6 THINGS MISSING IN NETWORK PERFORMANCE MONITORING TOOLS

COMPUTE RESOURCE VISIBILITY

1

Network performance monitoring uses packet inspection as the primary basis for analyzing problems. NPM tools can't see compute resources such as memory, CPU, or wait times for a host or virtual machines.

STORAGE RESOURCE VISIBILITY

2

NPM tools may be able to monitor traffic to and from a storage array, but it can't actually measure disk latency, throughput or other critical metrics at either the virtual machine or array.

APPLICATION SERVER HEALTH VISIBILITY

3

NPM tools don't have a way to talk to the application server, so they can't tell you up/down status of the application. They also can't see OS and process level information that can affect application performance.

APPLICATION TRAFFIC EMULATION

4

One way to verify problems is to emulate application transactions. Since NPM tools run passively through the switch, there's no way for them to do this. NPM tools are passive. They analyze network packets. But what if there are no packets?

COMPLETE VIEW OF NETWORK

5

NPM probes can't be deployed everywhere. And while "listeners" can see most traffic, that still leaves NPM tools blind to east-west traffic between VMs. integration with the virtualization platforms.

IDENTIFICATION OF NON-NETWORK ROOT CAUSE

6

NPM tools don't have visibility into CPU, memory, storage, the application servers or other indicators of problems, it isn't reliable for diagnosing problems that originate somewhere else in the infrastructure.

