

# AKiPS<sup>TM</sup>

## Network Monitor

### PRESS RELEASE

*AKIPS develops the most scalable and featured network monitoring software, delivered at a commodity price.*

#### **Brisbane, Australia – July 2014 – AKIPS Redefines SNMP Scalability**

In network performance monitoring – what is scalability?

AKIPS defines scalability as the ability to:

- Handle extremely large network configurations
- Securely collect and store large volumes of raw SNMP data every 60 seconds
- Real-time analysis and alerting of every collected metric
- Reporting on any metric within seconds, not minutes or hours

AKIPS Network Monitor redefines the industry standard for scalability achieved from a single commodity server or virtual machine. Its revolutionary monolithic architecture closely integrates the highly critical functions of polling, data storage and real-time analysis into a single process, significantly reducing the number of raw computing instructions required to move raw statistical data from network devices into the AKIPS databases then to the user via navigable data reporting charts.

The AKIPS SNMP poller is able to securely collect in excess of 10 million SNMP objects every minute, using the resources of only single CPU core, over fully authenticated and encrypted SNMPv3. This is several orders of magnitude larger than every other competitor, who still use the legacy insecure SNMPv2 protocol.

AKIPS has engineered several new technologies to achieve this:

- Dual mode synchronous / asynchronous algorithms which completely negate the need for inefficient and complex legacy multi-process and threaded designs.
- Fine grain packet distribution over a 40 second window in 100ms increments.
- Adaptive polling constantly monitors every metric and dynamically adjusts the polling interval for idle metrics, significantly reducing unnecessary network traffic.
- Direct Database Insertion allows the poller to directly insert the polled values into the AKIPS databases without multiple handling of the data.
- MIBs are compiled directly into the SNMP engine. High speed MIB object resolution using predictive and cached algorithms.

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AKIPS: “Always Keep It Purely Simple”.

*For the non-technical audience:*

*AKIPS Network Monitor provides the IT networking professional with efficient, virtual machine capable, scalable monitoring across their enterprise in real time.*