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News Release

SNMP Based Management for IT Applications

Why is management important?

IT applications are mission-critical applications that work under a tense and demanding environment. Application has to be stable, reliable and available to users and customers at all times.

Failure of an IT system during business hours may have severe impact on operation, efficiency, and profitability of the customer. Therefore, monitoring the behavior of a production system is an important role in healthy system operation. There are various aims for regularly monitoring of an IT system:

- To assure that the system behaves well.
- To identify problems before and while their symptoms occur.
- To identify future and existing bottlenecks.
- To collect data for post-mortem investigations.
- To control (remotely and/or locally) the application flow and behavior.
- To perform maintenance operations at any time from a central/distributed console.

What is SNMP?

Management of the IT application is based on SNMP – Simple Network Management Protocol – the protocol governing network management and monitoring of network devices and their functions. SNMP was introduced mainly for the datacom and telecom market over 10 years ago, has evolved since, and is now a standard for distributed monitoring in many industries. There are two kinds of SNMP entities: *managers* and *agents*. A manager is an application that can handle management tasks for a network and for devices or applications on the network. Managers can display the status of monitored devices, computers, and application, and can be configured to send notifications when problems are identified. The agent is a piece of software that runs on the managed network device or as part of the managed application. The agent sends its monitoring measurements to the manager and performs commands that are sent by the manager.

What does WebSilicon provide?

WebSilicon has developed several components for management of IT applications. These software components are customized to create a custom tailored application (agent and/or manager). All components are platform independent with proven installations over many operating systems, such as Microsoft Windows, Sun Solaris, HP UX, IBM AIX, and Linux.