

OPEN ADMIN

Application Guardian (AG)

AG Highlights

1. 24H/7D monitoring
2. Monitors the state of hardware, OS, database any application process
3. Performs switching and notifies through emails or SNMP traps.
4. Both scenario and action are configurable.

What is OPEN ADMIN AG?

In cable and broadband industry, as demand for data services explodes, cable operators are required to think about simple, reliable and scalable methods of monitoring the hardware, software applications and storage, disaster recovery and back up of the existing applications.

OPEN ADMIN AG is a software solution for process monitoring and operation confirmation of the hard disk, network, and operating system. AG takes care of the process inside by monitoring and confirming that an OSTM system is operating normally and detects any abnormality and anomalies in the OSTM system

If the OSTM system has either a hardware or software problem, AG can identify such problems immediately and can start taking suitable measures. AG has internal defined scenario, so whenever AG detects anomalies in the system, AG automatically executes those pre-defined scenario (scenarios are sequential measures coping with the situation. Example: Start the standby system and start shifting the data if you find some problem with the existing OSTM system). AG usually polls ARC or TIMS Net and gets result and analyzes. Sometimes the TIMS can also send TRAP to AG if something goes wrong inside the TIMS. When AG receives TRAP, AG decides the next measure it should take.

Continuous monitoring by AG

AG has the function that executes pre-defined scenario beforehand with events driven, and scenario can be configurable not only for OPEN ADMIN/STM server but also for any other network devices like router, switches, firewall, CMTS, DHCP etc, therefore AG can be expandable to provisioning system in the future roadmap.

During system anomalies, it takes the following steps.

1. Processing of the event

- ✚ During the anomalies in the OSTM system, AG starts the standby system.
- ✚ Prioritize the events and initiates emergency measures by start working to restore the system according to priority.

2. Taking a series of measures

- ✚ AG can take a series of measures which includes *'1.Stop the program A', '2.Start the program B', '3.Switch to the standby system'.*
- ✚ Can customize the series of processing.
- ✚ If AG fails in the middle of a series of processing, AG immediately performs substitution process by switching to standby system.

3. Redundancy of data

- ✚ AG restores the data to the standby system.

4. Alarm notification

- ✚ AG forwards alarm events to any other systems in accordance with the pre-configured policies.

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