

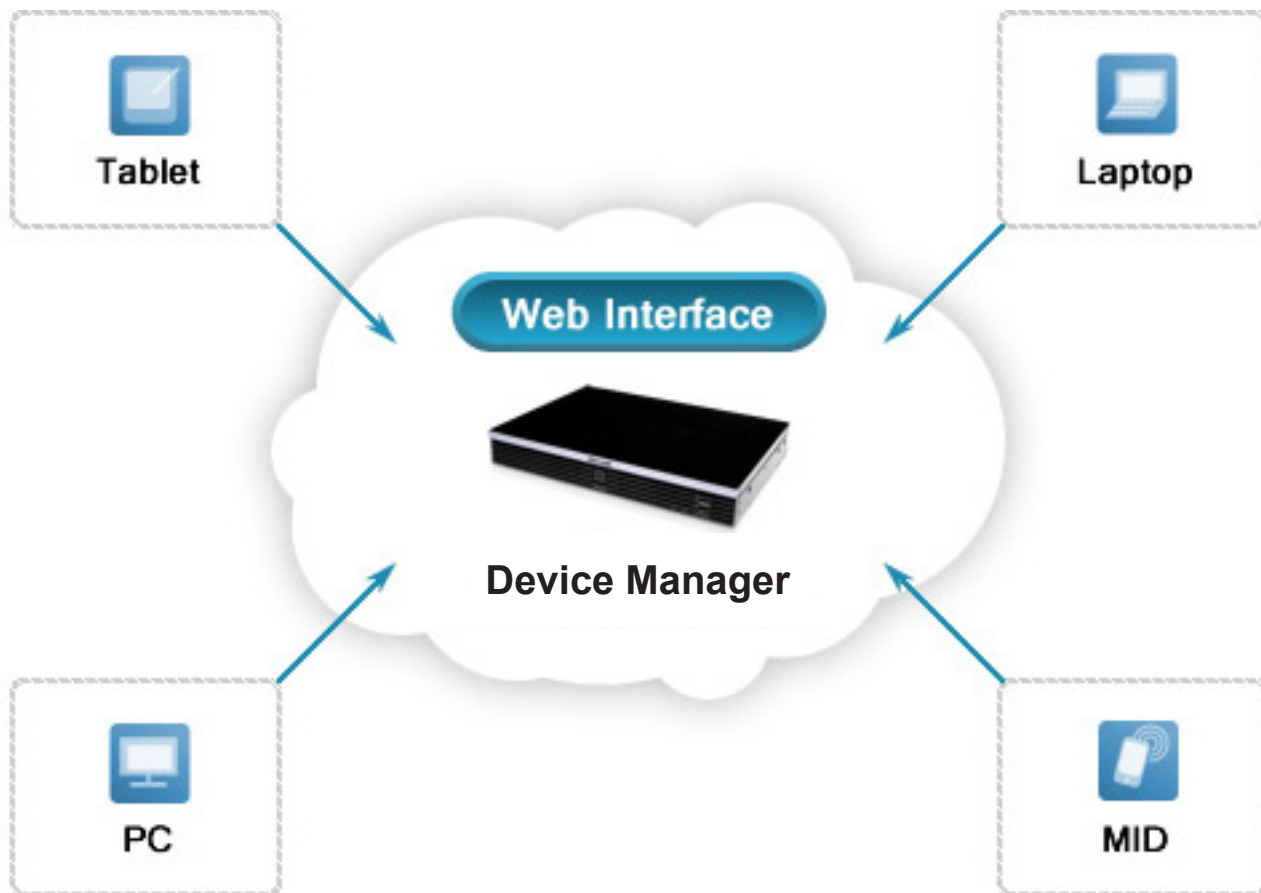
Thin Client Management System

When facing growing complexity in computing environment, utilizing virtualization technology to improve efficiency and reduce total cost of ownership is critical in today's enterprise. Compared with traditional computing environments, cloud computing and desktop virtualization services provide better flexibility in managing hardware and software resource. Virtualization technology simplifies administration and provides better scalability. And small, stable and lower power consumption thin clients reduce both acquisition cost and maintenance cost for desktop computers.

Atrust Device Manager (ADM) is developed as an integral part of the cloud computing infrastructure for easy management of thin client devices. ADM provides a centralized management tool to replace traditional method of configuring each PC. The administrator only needs to install ADM software on a single node in the company network to easily manage all Atrust thin clients in the company. ADM has low hardware requirement; it can be installed on any entry level server or even mainstream PC. No expensive server is needed.

Access from Anywhere

ADM's intuitive browser user interface enables administrators to use any browser capable devices such as PC and tablet PC to manage its thin client devices. Administrators do not need to install any additional software to easily access and control all thin clients from any location.

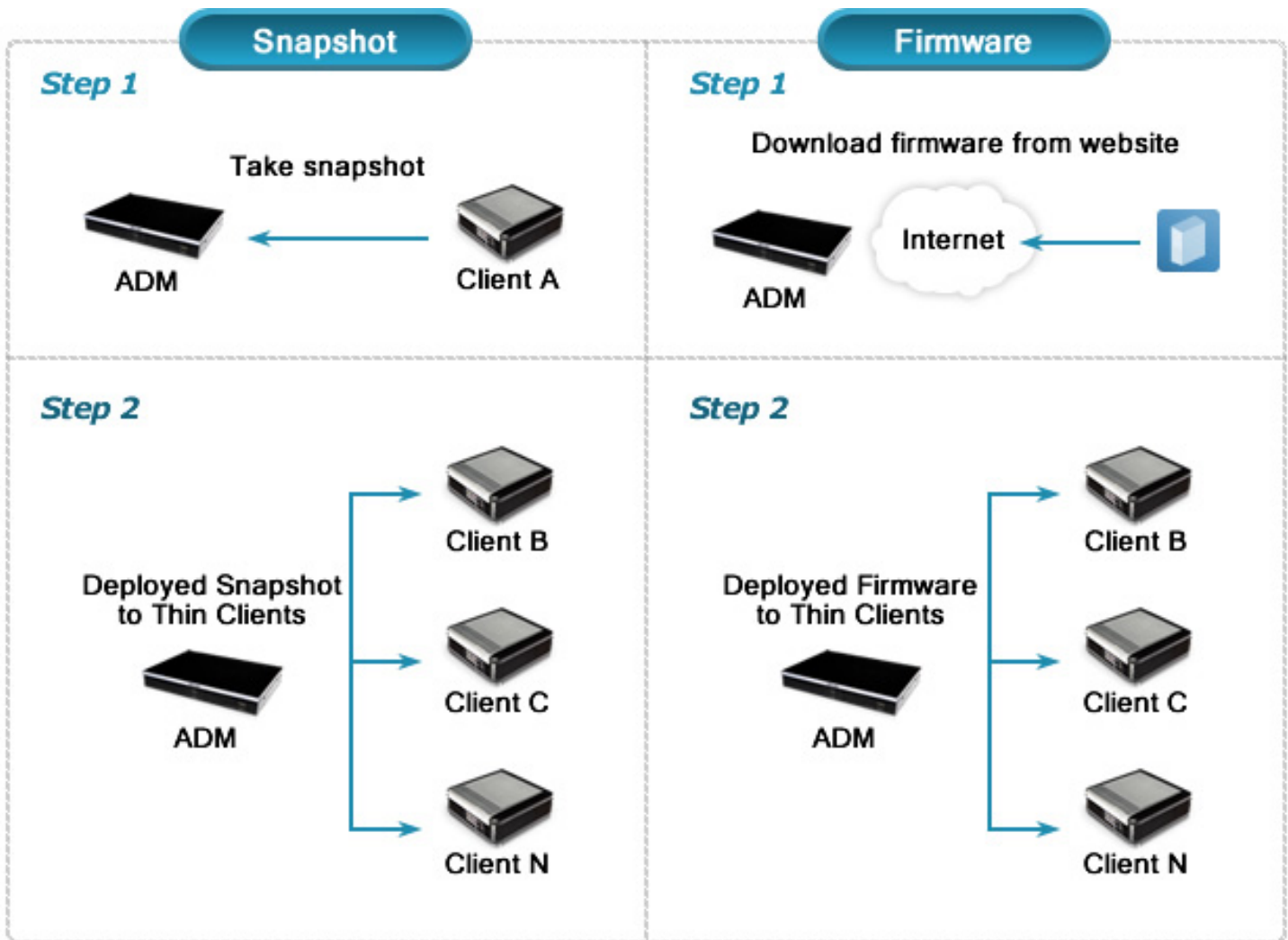


Highly Secure Design

ADM management system provides flexible management but also meets the need of strong security. All connections are encrypted with 128 bits SSL. When a thin client device is added into the ADM management system, ADM issues a digital certification for each thin client devices and each devices will store this certification locally. Each thin client devices use this certification to verify the authenticity of any ADM commands when device communicates with ADM server.

Comprehensive Firmware and Snapshot Management

Traditional computing environment requires administrators to upgrade security patch, application or OS one by one. This incurs high labor cost. ADM provides a superior maintenance system. When thin client devices needed to be upgrade, the administrator first downloads the firmware image into ADM, then administrator can implement the upgrade to multiple thin client devices using ADM web interface. ADM automatically deploys the firmware to all or selected thin client devices. Another powerful ADM tool is snapshot. ADM can take a snapshot of an individual thin client device and backup all the data stored in that thin client. After the snapshot has been taken, the content can be duplicated to other thin client devices. Using this method, administrator can quickly clone and deploy large number of thin client devices which greatly reduce the maintenance cost.

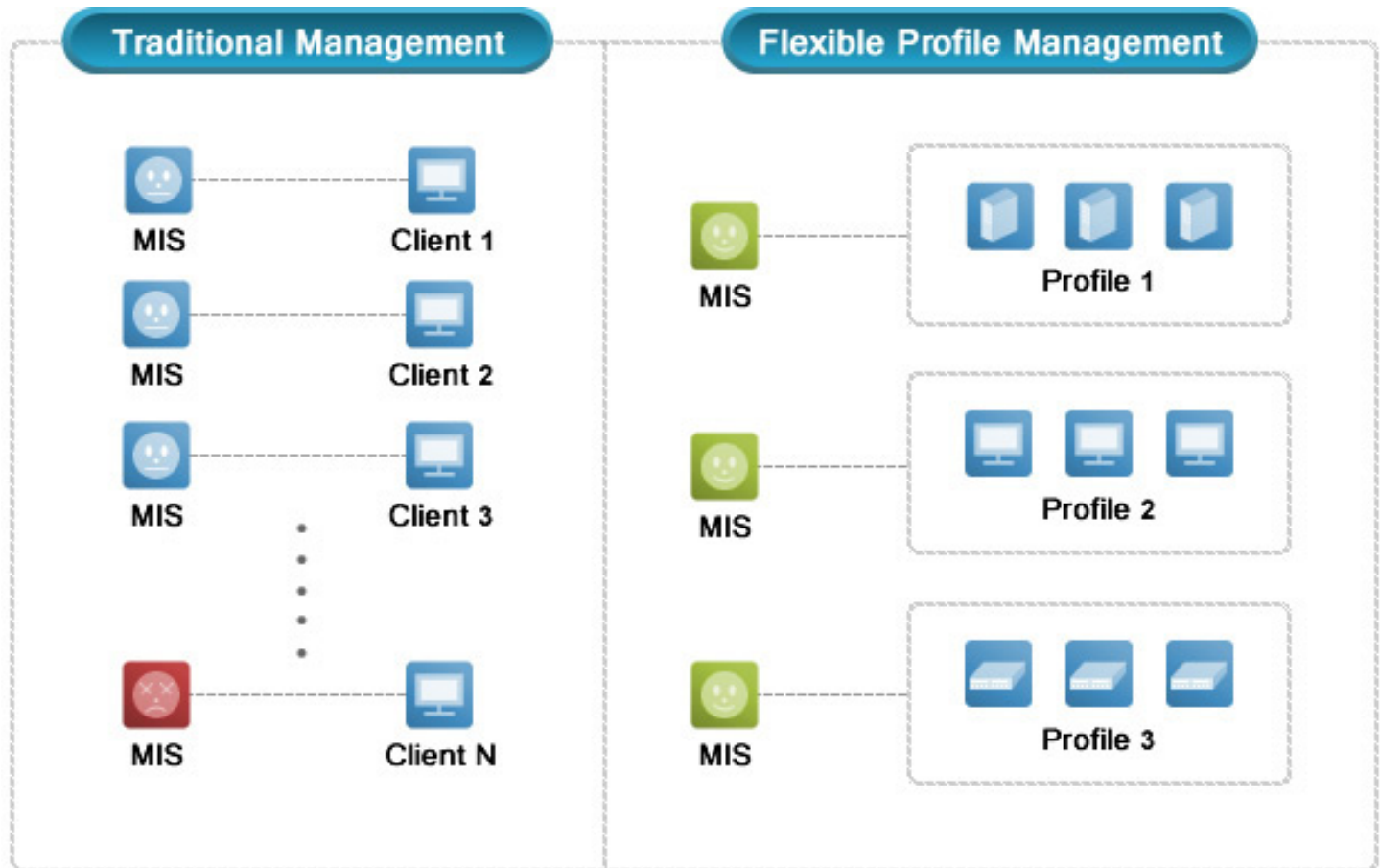


Flexible Profile Configuration

To further reduce maintenance cost, ADM implements a powerful profile configuration tool. This tool enables administrators to manage thin clients in groups. It simplifies the configuration process and greatly reduces the time and labor in maintaining thin clients.

Complete Management and Configuration Features

As a comprehensive management system, ADM provides the following:



- Remote activate restart, shutdown, Wake-on-LAN, etc.. on the thin client.
- Connect to end user thin client through built-in VNC viewer for configuration and debugging.
- Access real time status of each thin client devices from browser interface.
- Organize thin clients, profiles and filters into groups for easy management.
- Dynamic filter with flexible rules. Administrator can setup specific rules like power On/Off, firmware version, startup time, etc...to quickly select clients with specific criteria.

External Database Support

ADM management system uses well known PostgreSQL database system. It is highly stable and provides excellent performance. It also supports numerous external database systems like Oracle, Microsoft SQL, and MySQL. This feature enables ADM to use company's existing Database system so administrator does not need to maintain additional database system. Using specialized database processing engine, ADM can simultaneously process large number of concurrent transactions and manage thousands of thin client devices. ADM also provides database backup and restore functions for enhance availability and recoverability.