Cloud Systems

atmospherics®

enhancements with 2.2

TAKE CONTROL. SCALE. MANAGE.

Quick Controls is a new addition to atmospherics' core feature Scenes. It allows for the tying of specific device controls buttons to a Scene. In the Flex Client, these Quick Controls appear alongside the Scene for easy access once the Scene is loaded. In the Cisco IP Phone Client, the interface automatically redirects to the device control screen once the Scene is loaded.

Microsoft Exchange Integration allows users to schedule and manage rooms and resources through their existing corporate Exchange server. atmospherics rooms are visible in Exchange for scheduling.

Devices can be configured with custom device control buttons (or widgets) in addition to the standard widgets included with the device.

Flex Client login screen includes an onscreen keyboard provides easy username and password entry from touchscreens and eliminates the need for a physical keyboard at touchscreen stations.

The creation of Custom User Roles is now available, allowing administrators to logically group atmospherics User accounts and configure the Access Control rights of those Roles.

Integration of SNMP support allows atmospherics to communicate with, control, and manage devices that use this Internet standard protocol for managing devices on IP networks. Devices that typically support SNMP include but are not limited to routers, switches, Servers, workstations, printers, and modem racks.

LDAP Support allows for atmospherics to integrate into the Security infrastructure of a corporate IT environment. A company's existing directory of roles, users and passwords can be retrieved and used by atmospherics for authentication and access control.

atmospherics regularly polls all the devices in the configuration for their current status. This polling rate is now configurable per device, allowing the customer to define how often they want atmospherics to get a device's status and update the user interface with that information.

Reporting application developed to support the reporting of historical data collected by atmospherics. Enhanced reporting features include but are not limited to: Report on Projector lamp usage, report on "health" of device communication, and report on user usage of rooms and devices.

Cloud Systems, Inc
7220 Edgewater Drive
Oakland, CA 94621

control | simplified®

800.806.5567 Toll Free
415.896.6489
www.cloudsystems.com

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enhancements with 2.3

Flex client or GUI applications are now standalone applications. This allows for an API set for release to trained resellers, which allows for resellers to customize the client GUI and interact with platforms such as Flash. In the cases in which Cloud Systems or resellers have created 'custom' clients for end users, designers can update the 'core' without the need of patching the client. When one has created such a custom client the installer no longer has to apply a patch and reinstall every time atmospherics updates.

Implemented a single installer. New apps can be added as a download to a specific file location.

We changed the way threading works to allow us to debug more easily and also to allow the system to scale without issue. 1000's of threads per second.

Hosted development and support infrastructure. The team no longer has to be co-located, there is no need for a VPN, opens up a virtual lab for third parties where they can open their own tickets.

The client API interface allows 3rd parties to develop custom clients (in any language), on any platform. The API allows the custom client to make http calls to the atmospherics server. Analog control of variables is simulated by fine granular control.

Cisco EnergyWise® functionality added. Auto-discovery and auto-configuration of Cisco IP Phones for EW control. This allows for large scale configuration where the IP phone is a controllable device that powers on and off.

API set for authorized designers to customize the GUI in atmospherics Admin pages.

atmospherics can be installed without PostgreSQL for testing purposes. It is fully functional except for reports.

Integration with Network Management Tools via JMX -- Real time reporting of device status. Visibility of the state of every device on one page at the same time. Integration capabilities into packages such as HP Openview. Auto dispatch tickets with device status changes, such as going offline.

Build infrastructure allows for a completely modular product.

Dramatically improved reboot and initialization time. Typical restart times for complex systems with 2.2 could approach an hour, but with 2.3 should be less than 5 minutes. This is observed in the initialize section of the admin page. There was also a delay in allowing admin login until atmospherics has re-initialized. Now login is immediate.

Significant improvements on reporting capabilities. atmospherics now reports on any attribute of a device(s). Importantly, we have added fields to allow the reporting of energy consumption.

Improved TCP connections to devices. Updated and modernized library to enable new forms of authentication.

Automated tests for remote control of the browser simulate a user for faster troubleshooting and support.

The new installer ensures simplified maintenance updates. 2.3 gives much wider control to the installer, such as: full back up of prior copy and an ability to revert to old build. Also the option to choose to install or not install new files.

Enhanced and largely automated testing infrastructure.

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