

Designed to monitor and execute first level recovery actions typically performed by network technicians

About Uplogix

Uplogix is like a virtual technician in a box.

We have developed a network-independent management platform that locates with – and directly connects to – managed devices. It can stand alone or augment existing centralized management tools providing the configuration, performance, and security management automation functions that are best performed locally.

When there are problems and the network goes down, Uplogix Local Management serves as an automated lifeline, either restoring network connectivity, or by providing secure out-of-band access and a local “toolbox” for remote experts to speed troubleshooting without a truck roll.

Please read more at uplogix.com

Uplogix benefits for branch office and data center deployments:

- ▶ **Configuration Management** | Reliable automated upgrades & changes to network devices with built-in automated actions (e.g. Push OS, Pull Config) to reduce human error. If there are config problems, Uplogix SurgicalRollback™ automatically rolls back production configuration changes to prior or golden configuration.
- ▶ **Security & Compliance** | Highly configurable and granular role-based administrative access with flexible password rules, multi-factor authentication and TACACS and RADIUS integration. Role-based access control and complete activity logging (including system prompts and responses) are maintained even when the network is down.
- ▶ **Performance & Availability** | Rapid detection of issues via local monitoring at 30 second increments without performance degradation. Sophisticated rules engine takes automated actions to recover network and/or address device faults, performing complex task sequences that normally require an on-site technician.

Uplogix is the first, and only, local network management platform

The Uplogix Local Manager is an automated network management platform designed to monitor and execute first level recovery actions typically performed by network technicians. The Uplogix local management method utilizes technician interfaces such as serial consoles to reduce dependence on the network itself to retrieve state and performance information as well as reliably execute predefined tasks.

Secure automation and control for mission critical network infrastructure

These tasks are driven by continually retrieving device state, performance and interconnectivity information and following an extensible decision tree to evaluate network state and ability. Once a threshold is exceeded, automated tasks are executed to further triangulate degraded or unavailable services and execute recovery tasks such as sending an alert or following an operations run-book of complicated multi-step recovery tasks.

In-band synthetic network tests are also executed to evaluate service levels from the end-user's perspective. Utilizing virtual interfaces on various user networks, objective network tests evaluate essential services such as voice calls, web transactions and simple TCP connections. The Uplogix Local Manager

then uses the information to drive automated actions, while the Uplogix Control Center provides a robust reporting interface for this unique network performance data.

Finally, if all first level actions fail, the Uplogix Local Manager is designed to reconnect network management systems over an out-of-band network to reestablish centralized security, logging and northbound reporting in the first few minutes of the incident. Escalation can be performed by technicians securely over the out-of-band connection as if they were onsite. They are able to review detailed historical forensics, execute advanced troubleshooting and recovery actions, and interact with other network providers in a troubleshooting and triangulation exercise.

Below: The Uplogix platform combines the access of a console server with the functionality and control of network management software to automate the many of the routine actions of an IT administrator.

