The Uplogix EMS provides a centralized, web-based administration portal for managing Envoy appliances throughout your network.

**SECURE REMOTE MANAGEMENT**

Uplogix simplifies and reduces the costs of managing devices at the network’s edge with Envoy remote management appliances and the Envoy Management Station (EMS). Envoy management appliances quickly deploy onsite in remote locations or in datacenters to enable active management, immediately putting their out-of-the-box, built-in intelligence to work in your environment. Providing a centralized point of control for all of the appliances, the EMS is deployed in the NOC and delivers real-time monitoring and management capabilities, offering a unified view of what’s occurring in your network. As an element manager for Envoy appliances, the EMS also serves as the gateway between the Envoys in your network and existing IT management systems.

**EMS maximizes your Uplogix investment by providing:**

- Centralized point of control for Envoy appliances deployed throughout the network
- Consolidated inventory and view of all Envoy appliances and every network device and server under management
- Robust reporting of event, alarm, and device statistics, as well as network service level measurements across the enterprise
- Consistent, enterprise-wide scheduling of all maintenance, management, configuration, and recovery tasks performed by Envoy appliances
- Aggregation of valuable network device and service-level data collected by Envoys
- Central proxy for seamless in-band or out-of-band communication with Envoys
- Flexible integration with other management systems and solutions

**KEY EMS BENEFITS**

- Centralizes command and control of all Envoys and devices under management
- Enables “one-click” administration of rules, policies, and changes across the entire network
- Provides robust and flexible reporting of device statistics, alarms/events, user interactions and network service levels
- Scales to support even the most complex, distributed networks
- Integrates easily with existing management systems

**Centralized Command and Control**

Using a simple, point-and-click interface, management tasks can be easily and quickly deployed to every device under management by Envoy appliances throughout the network. Every router, switch, and firewall can be automatically upgraded, patched, and reconfigured in identical fashion and on schedule. This feature offers significant time savings and eliminates errors oftentimes introduced when these tasks are completed manually.

The centralized EMS interface is accessible from anywhere via the web and provides flexible reporting templates that can be generated on-schedule or on-demand and then electronically delivered to appropriate IT staff. EMS is deployed on a pre-configured, dual CPU, rack-mountable server, and includes an embedded Oracle database engine.
The centralized EMS interface can be accessed remotely via the web and provides flexible reporting templates that can be generated on-schedule or on-demand and electronically delivered to designated IT staff.

### Envy Management Station (EMS)

**EMS Dashboard View** - Default view of all Envy NRMs and devices under management

### Features
- **Hierarchical Views**: Organizes the Envy deployment into an inventory hierarchy based on business unit, geographical location, or other parameters.
- **Secure Access**: Provides access via SSL browsers with remote authentication to TACACS or RADIUS.
- **Reporting**: Generates detailed reports using built-in templates or using customized templates based on organizational requirements; provides on-demand reports and/or sends auto-generated, scheduled reports via email.
- **Statistical Data**: Uploads detailed data from each Envy — such as device monitors, alarms, events, service level verification tests, and environmental readings; this data is available for long-term trending, baselining, forensics, and reporting.

### Policy Management
- **Users**: Manages usernames, passwords, and account details for all Envoys.
- **Permissions**: Manages permissions at individual appliance or group levels.
- **Rules**: Enables creation and editing of rules and rule sets for enterprise-wide deployment.
- **Authentication**: Deploys AAA settings to maintain a single security policy.

### Envy Management
- **Envy Upgrades**: Archives and stores Envy software updates.
- **Device Upgrades**: Archives and stores OS images and configuration files.
- **Configuration**: Centrally manages the configuration for all Envoys; new Envy deployments organized into groups automatically assume hierarchically inherited settings.
- **Task Scheduling**: Enables scheduling of one-time or repeating tasks for single Envoys or groups of Envoys; also automatically enables cancellation of tasks that cannot be completed inside the maintenance window.

### Monitoring
- **Alarms**: Sends alarms from each Envy, which are updated every 30 seconds.
- **Events**: Enables monitoring of events, such as user logins, power outages, and device access.
- **Inventory**: Tracks Envy to EMS communications, expires stale status data.

### Alerting
- **SMTP**: Sends alert messages to users based on subscription to specific devices, interfaces, or Envoys.
- **SNMP**: Sends alarms and events to other management systems as if they came from the managed device itself.

### Security
- **Action Logging**: Logs and archives EMS user sessions for review.
- **Cached Passwords**: Authenticates cached, last-used passwords when centralized servers are unavailable.
- **Sessions Logging**: Displays Envy session logs indexed by user and date.
- **Roles**: Grants users EMS logins and EMS management privileges.

### Customization
- **Reports**: Creates custom reports for managed devices, Envoys, and groups.