



User Interfaces Reimagined

General Updates to Ul

- Removal of current Manager
 - Technology is outdated
 - Requires direct Server access
- Addition of new Web-based UI
 - Allows access from workstations
 - Modern Technology
- Customizable Themes
 - "Dark Theme"
 - Corporate Logos etc
- Provide an updated manager application
 - Uses the same interfaces as the web-based version



Security

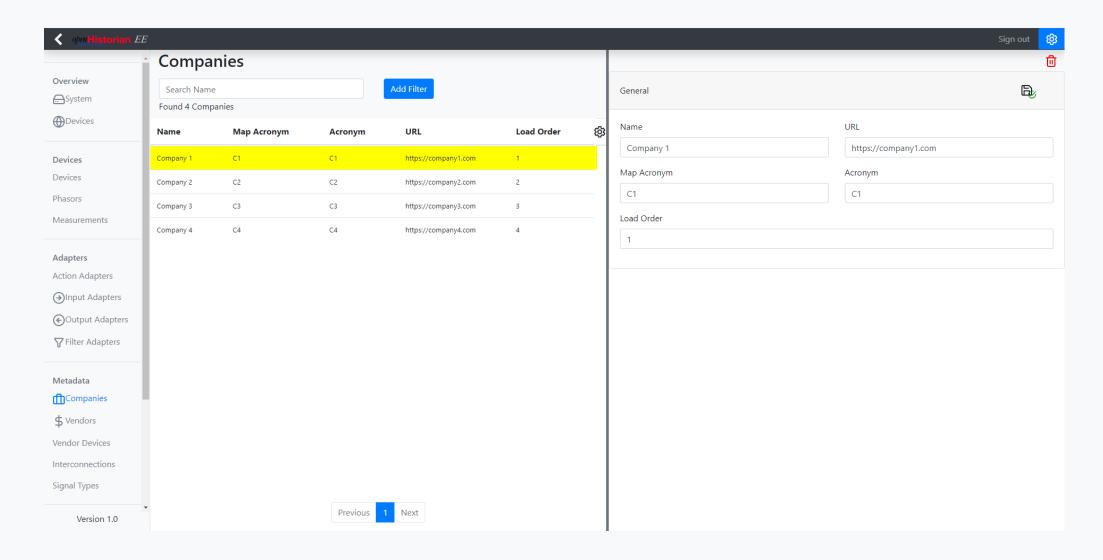
- Continue to support authentication
 - Local AD
 - SSO services
- Continue to support Group Access Management
 - Viewers for people who need to get data
 - Editors for engineers maintaining configuration of PMUs
 - Admins for engineers/IT Personel maintaining the system



Goal – Configure everything via UI

- Current version requires database access for some changes
 - Changing Set of Interconnections
 - Changing Vendor/Device Setup
- Current version requires Config file changes
 - Direct server access needed
 - Edit and save config files for some changes
- Current version supports some config changes on web
 - Requires manager app for most Adapter changes
 - Poor handling of Bulk updates (e.g. turn off multiple devices)



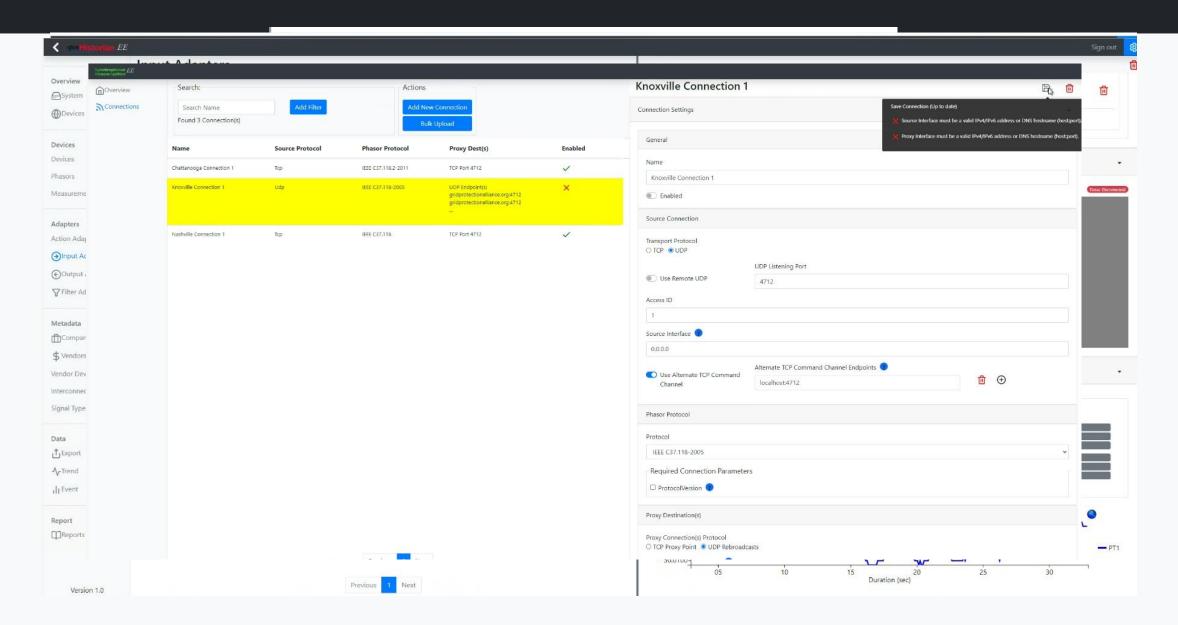




Goal – Simplify Adapter Configuration

- Custom interfaces for GPA Adapters
 - Commonly used Adapters (e.g. Power computation)
 - Commonly used Protocols
- Ability for Developers to implement their own
 - GPA provides examples and documentation
- Include Visualization of Input/Outputs
 - Easier to debug configuration



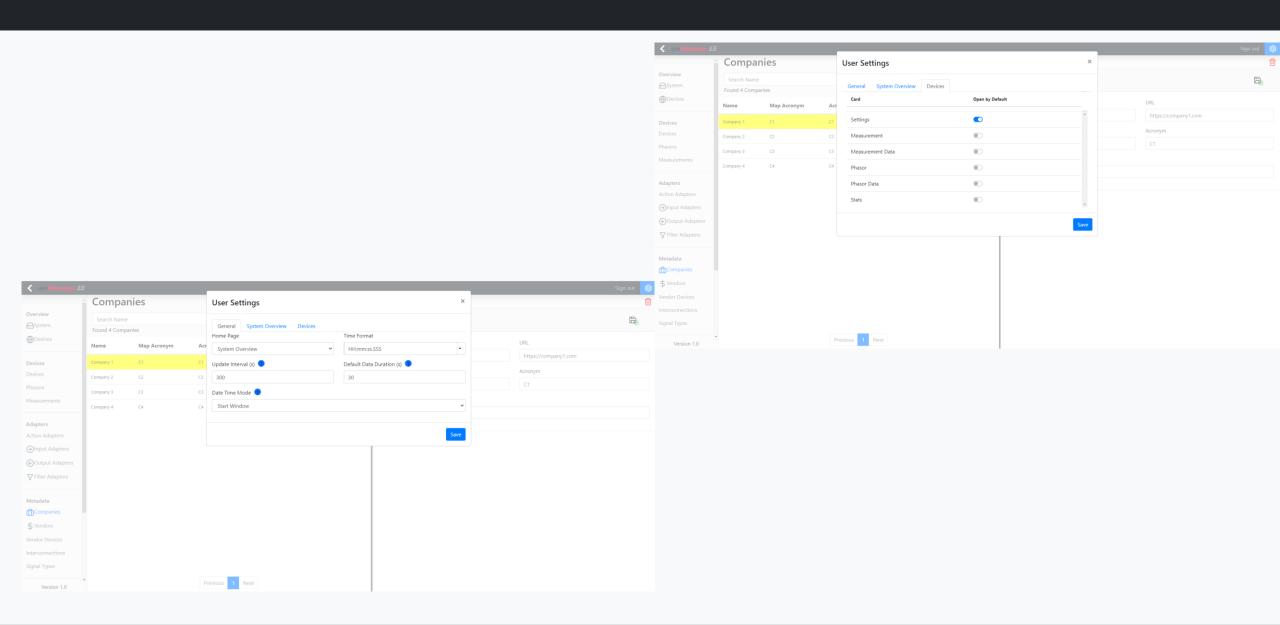


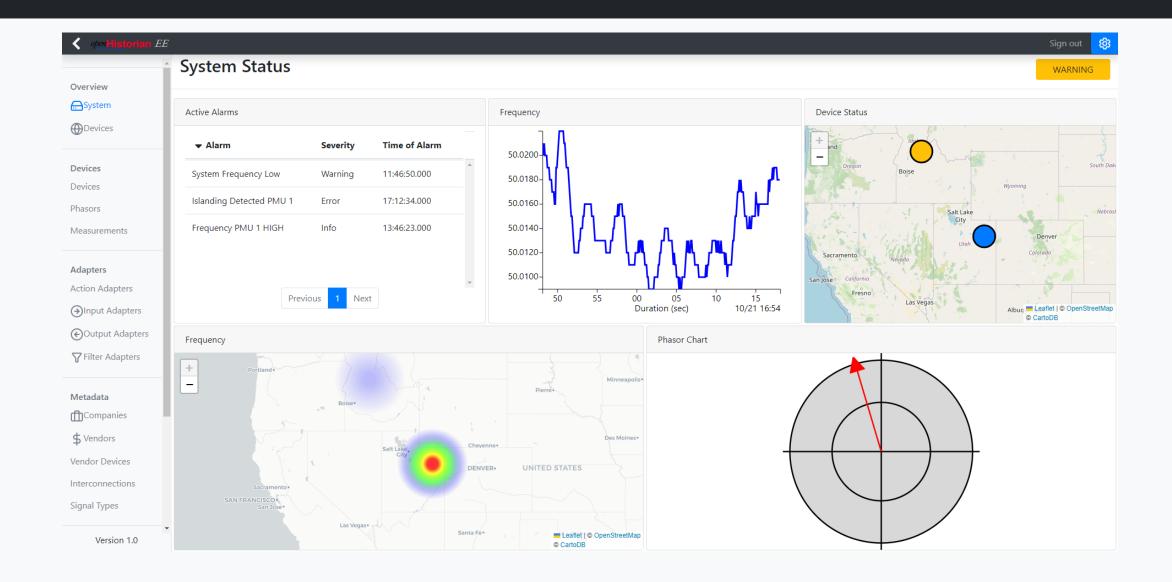


Goal – Quick & Configurable Overview

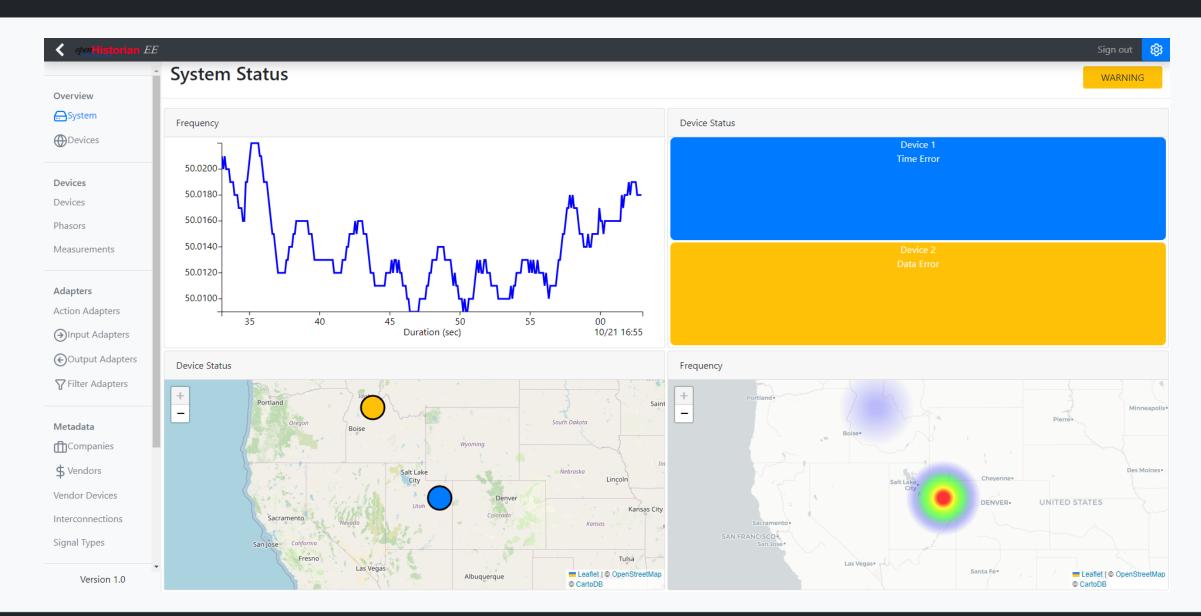
- Systemwide Configuration includes interfaces
 - Standard Timezones (e.g. ET or MET)
 - Standard Nominal Frequency (50 Hz vs 60 Hz)
 - Standard Phase Reference
- User based configuration
 - Configure home page
 - Configurable System overview
 - Preferred Display formats



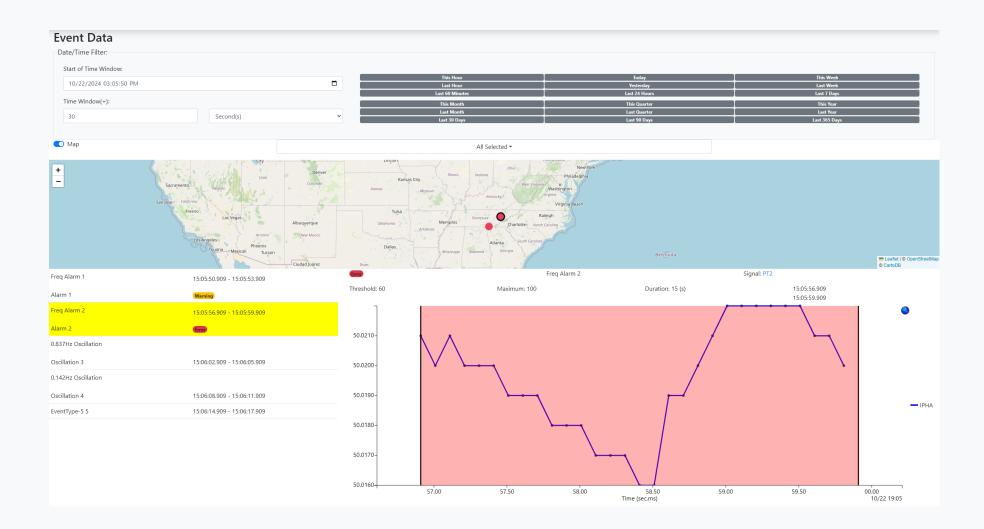














Goal – Common Workflows Simplified

- Common workflows have been simplified
 - Trending Data
 - Exporting Data
 - Adding Devices
- Feedback from various utilities has been included



