

WGR Server 04.00.1

Release doc

Date - 11/17/09

1. Release Notes for WGR Server Application Ver 04.00.1

1.1 Purpose

This release note describes the new features and fixes included in the WPT Host Application

1.2 New Features Overview

- New logo of Cypress Envirosystems used in the WebApp.
- All the devices are reported in one Web application. User can configure the web app to see one or more devices from admin.aspx page.
- List of the devices that are visible from the web page are – WGR, WTR, WFM, WSTM, WBM, WBCM
- Dropdown menu item selection when user configures more than one device for the server.
- Readings page has additional status when the device battery is lower than nn%. This nn value can be configured by the user under registry key “Low_Batt_Voltage_Trip_Limit”. Default is set to 70%. Whenever any battery voltage false below nn%, it is reported in the status page as “Low battery”
- Readings page status will also report the device as inactive if data is not reported in last n sec. where
$$n = \text{SampleUpdateRate} * \text{NodeSampleIntervalCount}$$
 The NodeSampleIntervalCount value can be set in the registry. Default value is 4.
- Graph pages are AJAX enabled. Devices with more than one data output will be reported as multi Y-axis graph. If data points are more than 1000 then data is compressed to speed the performance.
- Table pages are AJAX enabled. That mean only table is refreshed when user updates the page.
- Wait cursor display when page being loaded to indicate that data is coming from the server DB.
- Alarm History page will display battery status too.
- Data exported from the table is tab delimited xls file. That means file doesn't contain the style info, that keeps the file size small.

- Node configuration page displays software version number. This version number is stored in the registry under “Version” key.
- User can configure any device node from the Node configuration page. Additional drop-down box is added in the WTR selection for WTR, WFM WSTM selection. This should be selected by the user while configuring the devices.
- SampleupdateRate can be edited by the user for the node. This is necessary so the device status is updated right, when inactive.
- Status page will display Battery voltage level (%) as well as max RSSI value for the node.
- WBM status page will display battery status as column chart. LCL and UCL value is displayed in the chart as the horizontal lines.
- Alarm reset page has “Reset” button to reset individual alarms.
- webapp title can be set from the “Site Settings” page.. User can add customer name here that will be displayed in the webapp header. Default title is “WGR Web Application”
- Admin.aspx page has new BTRS graph page, that will display node battery, temperature, Sequence and RSSI value.
- WGRSMSService will raise alarm for any of the device configured in the server.

1.3 Known Issues

- Graph - Zoomin the multiple Y-axis graph, then use scroll bar to scroll forward or backward, graph will get misaligned with the timestamp (x axis).

1.4 Fixed Issues

- Bug# 428 - WBM Server Graph manual scale entry missing
- Bug#429 - Selecting Y-Axis zoom should not re-load the whole page
- Bug#486 - Can't put 0 as Max value for WGR
- Bug#487 - Can't properly set WTR values
- Bug#488 - Sort By Status doesn't quite work
- Bug#167 - Verify proper regional settings on server