|  |  |  |  |
| --- | --- | --- | --- |
| 1st level | 2nd level | 3rd level | Description |
| Bus<#>. |  |  | Which bus to act upon. |
|  | add |  | Adds a bus at number #. Returns an error with “status = false” if no error occurred. |
|  | remove |  | Removes a bus at number #. Returns an error with “status = false” if no error occurred. |
|  | Event. |  | ``set`` or ``get`` data from the event module at bus# |
|  |  | PathToPlugin | The path to the module’s current plugin’s .ini file. ``Set`` -ting this will change the plugin type and all configurations and parameters will return to the default values in the Plugin’s .ini file. |
|  |  | Params | A 2D array of the event module’s parameter settings |
|  |  | Config | The event module’s configuration cluster |
|  |  | Reports | (``get`` only) An array of ideal Synchrophasor reports generated by the event module. Since the event module generates these, they cannot be ``set`` |
|  |  | Signal | (``get`` only) An array of the point-on-wave signal generated by the module. These cannot be ``set`` |
|  | PMUImpairment. |  | ``set`` or ``get`` data from the Sensor module at bus# |
|  |  | PathToPlugin | The path to the module’s current plugin’s .ini file. ``Set`` -ting this will change the plugin type and all configurations and parameters will return to the default values in the Plugin’s .ini file. |
|  |  | Params | A 2D array doubles of the sensor module’s parameter settings |
|  |  | Config | The sensor module’s configuration cluster |
|  |  | Reports | (``get`` only) An array of ideal Synchrophasor reports generated by the event module. Since the event module generates these, they cannot be ``set`` |
|  | NetImpairment. |  | ``set`` or ``get`` data from the Network Impairment module at bus# |
|  |  | PathToPlugin | The path to the module’s current plugin’s .ini file. ``Set`` -ting this will change the plugin type and all configurations and parameters will return to the default values in the Plugin’s .ini file. |
|  |  | Params | A 2D array of the network impairment module’s parameter settings |
|  |  | PktLoss | (``get`` only) A 1D array of doubles representing lost packets on the network |
|  |  | NetTime | (``get`` only) a 1D array of doubles (one for each report) representing a network delay time for each report. |
|  | FlagImpairment. |  | ``set`` or ``get`` data from the Status Impairment module at bus# |
|  |  | PathToPlugin | The path to the module’s current plugin’s .ini file. ``Set`` -ting this will change the plugin type and all configurations and parameters will return to the default values in the Plugin’s .ini file. |
|  |  | Params | A 2D array of the status impairment module’s parameter settings |
|  |  | FlagImpair | A 1D array of ui32 representing status flags which are set. |