

# EAGLE<sup>™</sup> to EAGLE-200<sup>™</sup>

## **Uploader API Migration Notes**

These notes provide a guide for customers migrating from the original EAGLE gateway to the next generation EAGLE-200 gateway, who wish to use their existing interface to the EAGLE Uploader API with the EAGLE-200 Uploader API. There are some changes in the new API, but for the most part, the new elements can be largely ignored, and they should be straightforward to accommodate in existing server integration code.

#### What's Changed?

#### 1.1. POST Header

The Content-Type element of the POST request header has changed. In the old API, it was set to application/xml; it is now set to text/xml.

```
POST sample.url HTTP/1.0
Content-type: text/xml
Content-Length: 43
```

#### 1.2. POST Root Element

The Root Element of the POST request body now uses the "version" attribute. In the old API, it was set to "undefined"; it is now set to "2.0".

#### 2.1. DeviceInfo

The DeviceInfo fragment includes a new text element <Protocol> that contains the string Zigbee. Also, the <ModelId> element is now set to Z114-EAGLE3.

#### 2.2. NetworkInfo

The NetworkInfo fragment has been replaced by the ConnectionStatus fragment.

#### 2.3. TimeCluster

There is a new *TimeCluster* fragment.

#### 2.4. Instantaneous Demand

The InstantaneousDemand fragment has two new elements, which are highlighted.

It is also possible to receive instantaneous demand readings from subdevices such as load switches and smart plugs. These are tagged as <ReadAttributesResponse> fragments.

```
<ReadAttributesResponse>
  <DeviceMacId>0xd8d5b900000b6d4/DeviceMacId>
  <TimeStamp>0x20e99d5f</TimeStamp>
  <NetworkAddress>0x8ac8</NetworkAddress>
  <IeeeAddress>0x0024460000068d1c</IeeeAddress>
  <ClusterId>0x0702</ClusterId>
  <SourceEndpoint>0x0c</SourceEndpoint>
  <DestinationEndpoint>0x01/DestinationEndpoint>
  <Attribute1>0x0400</Attribute1>
  <Value1>0x00000000</Value1>
  <a href="https://www.attribute2">Attribute2>0x0300</attribute2>
  <Value2>0x00</Value2>
  <a href="https://www.attribute3">Attribute3>0x0301</a>
  <Value3>0x0000001</Value3>
  <a href="https://www.attribute4">Attribute4>0x0302</a>
  <Value4>0x000003e8</Value4>
  <a href="https://www.attribute5">Attribute5>0x0304</a>/Attribute5>
  <Value5>0x3b</Value5>
  <Protocol>Zigbee</Protocol>
</ReadAttributesResponse>
```

#### 2.5. PriceCluster

The *PriceCluster* fragment is unchanged.

#### 2.6. Message

The Message fragment has a number of new elements, which are highlighted.

#### 2.7. CurrentSummation

The <CurrentSummationDelivered> tag is now <CurrentSummation>, and there are two new elements, which are highlighted.

#### <CurrentSummation>

<DeviceMacId>0xd8d5b9000000af85/DeviceMacId>

<MeterMacId>0xd8d5b900000021a7</meterMacId>

<TimeStamp>0x20acaec0</TimeStamp>

<SummationDelivered>0x0000000001f81f</summationDelivered>

<SummationReceived>0x0000000000000000000/SummationReceived>

<Multiplier>0x0000001

<Divisor>0x000003e8</Divisor>

#### <UnitOfMeasure>0x00</UnitOfMeasure>

<DigitsRight>0x03</DigitsRight>

<DigitsLeft>0x00</DigitsLeft>

<SuppressLeadingZero>Y</SuppressLeadingZero>

<Protocol>Zigbee</Protocol>

</CurrentSummation>

#### 2.8. MeterInfo

The MeterInfo fragment is no longer generated.

#### 2.9. FastPollStatus

The FastPollStatus fragment is no longer generated.

#### 2.10. HistoryData

The *HistoryData* fragment is no longer generated.

#### 2.11. ProfileData

The *ProfileData* fragment is no longer generated.

#### 3.1. set\_fast\_poll

The set\_fast\_poll command is no longer supported.

#### 3.2. get\_fast\_poll\_status

The get\_fast\_poll\_status command is no longer supported.

#### 3.3. get history data

The get history data command is no longer supported.

#### 3.4. get\_ profile\_data

The get\_profile\_data command is no longer supported.

#### 3.5. set\_schedule

The set\_schedule command <u>is</u> supported. The <MeterMacId> element name has been changed to <NetworkInterface>, and the <Command> tag is used instead of <RavenCommand>.

#### <Command>

<Name>set schedule</Name>

<Event>{enumeration}</Event>

<Frequency>0xffff</Frequency>

<Enabled>{enumeration}</Enabled>

<NetworkInterface>0xFFFFFFFFFFFFFFFFF</NetworkInterface>

</Command>