From:	Jim Beardsley <jbeardsley@assetlinkglobal.com>
Sent:	Friday, January 24, 2020 12:12
To:	Mark Gillen; Scott McDermott
Cc:	Mike Reuter; Srinu Raghupatruni; Andrew Peris
Subject:	RE: Introduction: Mark Gillen - Telular. Questions regarding AssetLink device provisioning.
Attachments:	Provision_Deprovision_JSON.docx; DeviceManager API Guide.pdf

NOTICE This came from an external source. Use caution when replying, clicking links, or opening attachments.

Hi Mark,

For your questions:

1. How does that process work with your satellite modem's ESN? Are you more like Verizon, AT&T/Jasper or a mix of both?
    a. Answer: Everything needed to allow the device to communicate will already be configured when you receive the device. The only thing needed will be to activate it on the network.

2. Will devices be automatically be uploaded to your portal and auto-provisioned OR do I need to upload your satellite radio ESN and device info before calling the provision/activate API?
    a. Answer: The devices will already be loaded into our portal when you receive them.

3. What sequence of APIs do I need to call to accomplish loading a device into your portal if I have to manually add devices?
    a. Answer: Devices do not need to be loaded into our portal, so no API call is needed.

4. When does the satellite modem become billable?
    a. Answer: It becomes billable when our team configures it on a billing plan. The team will configure it as billable in the following situations:
        i. The customer requests the device to be activated.
        ii. The customer uses the API to activate a device.
        iii. The team notices data transmissions from a device that has not been requested to be activated by a customer. This case can happen if the customer has their own satellite account.

5. When is the satellite modem not billable?
    a. Answer: It is not billable when it is in the deactivated state.

6. What happens if I call "provision" on a device that's already up and operating? Does it do any harm?
    a. No harm will be caused aside from a message in our logs indicating the device was already provisioned.

7. What happens if I call "deprovision" on an already provisioned device? How will the API respond if I perform a "get" action on a deprovisioned device?
    a. Answer:
        i. The device will be deprovisioned on the network.
        ii. Billing will become inactive on the deprovision date.
        iii. Note: We reserve the right to charge a re-activation fee in the case that you have deactivated a device and then re-activated it.

iv. You will always be able to "get" all data for the device. We do not limit your ability to retrieve existing messages from the device.

8. Is the JSON returned from calling "provision" and "deprovision" simply a device data return? What is the shape of that data?
   a. Answer: Please see attached for "Provision" and Deprovision" JSON return data.

9. Which device action do I use to programmatically add meta-data to a device? I ask because we identify devices internally using an URN. I'd like to be able to add that as meta-data to the AssetLink devices so that it shows up on the portal.
   a. Answer: We support a device "name" that allows up to 32 characters. This can be set using the API "setName" action as described on page 20 of the attached DeviceManager API Guide. The device name is displayed in the portal.

Let me know if you have additional questions or need assistance with anything else.

Best regards,
Jim

From: Mark Gillen <Mark.Gillen@ametek.com>
Sent: Wednesday, January 22, 2020 7:44 AM
To: Jim Beardsley <jbeardsley@assetlinkglobal.com>; Scott McDermott <scott@assetlinkglobal.com>
Cc: Mike Reuter <Michael.Reuter@ametek.com>; Srinu Raghupatruni <Srinu.Raghupatruni@Ametek.com>; Andrew Peris <Andrew.Peris@ametek.com>
Subject: Introduction: Mark Gillen - Telular. Questions regarding AssetLink device provisioning.

Hi Jim Beardsley and Scott McDermott of AssetLink!

My name is Mark Gillen. I'm a Senior Software Engineer here at Telular AMETEK. I am integrating the AssetLink API into our Device Management process and have some questions about how to manage the AssetLink devices from our end.

When we manufacture SkyBitz Tank LTE devices, our internal Device Management API is used by the business to import these new devices into our system. Today these devices come in two flavors of LTE, Verizon and AT&T/Jasper. The import process triggers business rules for provisioning devices based on one of these two carriers. For Verizon devices we must (a) upload the radio's IMEI to Verizon's system before (b) calling the Verizon API to activate cellular service (where the radio's IMEI is married to the ICCID). However, AT&T/Jasper does not require that step because the ICCID's already exist in their system in a "pending activation" state. When the AT&T/Jasper device begins to send data, the carrier automatically flips the ICCID state to "activated".

I have the following questions. I'd be happy to discuss this on a conference call if that's a better medium.

1. How does that process work with your satellite modem's ESN? Are you more like Verizon, AT&T/Jasper or a mix of both.
2. Will devices be automatically be uploaded to your portal and auto-provisioned OR do I need to upload your satellite radio ESN and device info before calling the provision/activate API?
3. What sequence of APIs do I need to call to accomplish loading a device into your portal if I have to manually add devices?
4. When does the satellite modem become billable?
5. When is the satellite modem not billable?

6. What happens if I call "provision" on a device that's already up and operating? Does it do any harm?
7. What happens if I call "deprovision" on an already provisioned device? How will the API respond if I perform a "get" action on a deprovisioned device?
8. Is the JSON returned from calling "provision" and "deprovision" simply a device data return? What is the shape of that data?
9. Which device action do I use to programmatically add meta-data to a device? I ask because we identify devices internally using an URN. I'd like to be able to add that as meta-data to the AssetLink devices so that it shows up on the portal.

P.S.
Is there a PDF with more complete API information available? I mean something with the whole enchilada in it.

Regards,

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Mark Gillen

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