Onboarding Kona Gateway onto TEKTELIC CORE Network Server

Introduction

- Reference guide to onboard Kona Gateways onto TEKTELIC CORE/OA&M Network Server.

- List Requirements:
1. Kona Gateway
2. TEKTELIC CORE/OA&M account credentials
3. Android/Apple smartphone (for LeapX only)

- High-level procedure involves three steps

1. Connect gateway to local network

2. Commission Gateway on the Network Server (NS)

3. Configure gateway details on NS to connect.

Connect Gateway to Local Network

By default, all Kona Gateways will attempt to connect to the internet through the Ethernet interface. It will attempt to reach address 8.8.8.8 to determine internet connectivity.

Please connect an Ethernet cable between the Kona Gateway and your router/switch. Ensure the gateway has the requisite permissions to access the internet prior to configuring it.

Commission Gateway

Once the gateway is connected, there are a couple of ways to commission the gateway.

- LeapX commissioning onto TEKTELIC CORE Network Server (NS)
- Commissioning onto TEKTELIC CORE Network Server (NS)
- Commissioning onto TEKTELIC OA&M Server

This guide will provide a brief overview of all three methods. Before proceeding, please ensure you have TEKTELIC CORE NS/OA&M credentials ready. If you do not have credentials, please raise a ticket on the support portal.
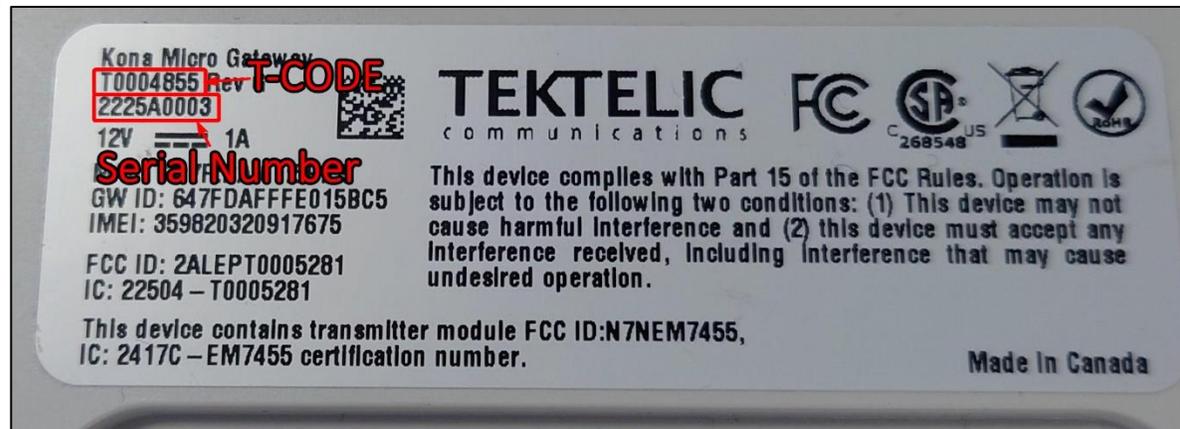
Figure-1 Gateway Identification

LeapX Commissioning

To onboard your gateway using LeapX, please log in through the NS.
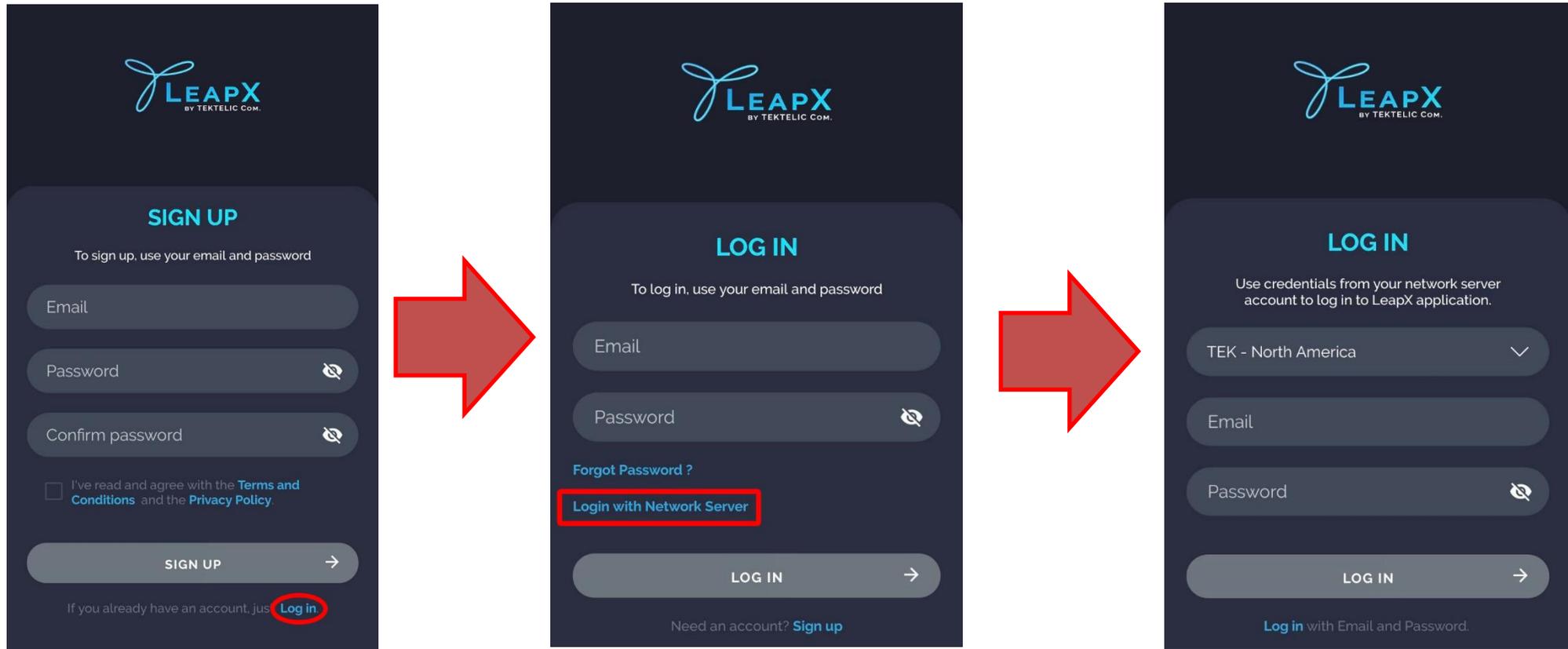
Figure-2 LeapX Login Process

LeapX Commissioning (Cont.)

Once logged in through the LeapX app, select Gateway in the **top left** to bring up a list of gateways, then select the **Blue (+)** in the **bottom right**. Then you may scan the gateway's QR code.

Tip: Adjusting the Zoom will also adjust the focus of the camera.

Figure-3
Scanning the gateway

LeapX Commissioning (Cont.)

Once the QR code is scanned, it will appear in your list of gateways!

If you receive an error when scanning a QR code, please contact TEKTELIC support.
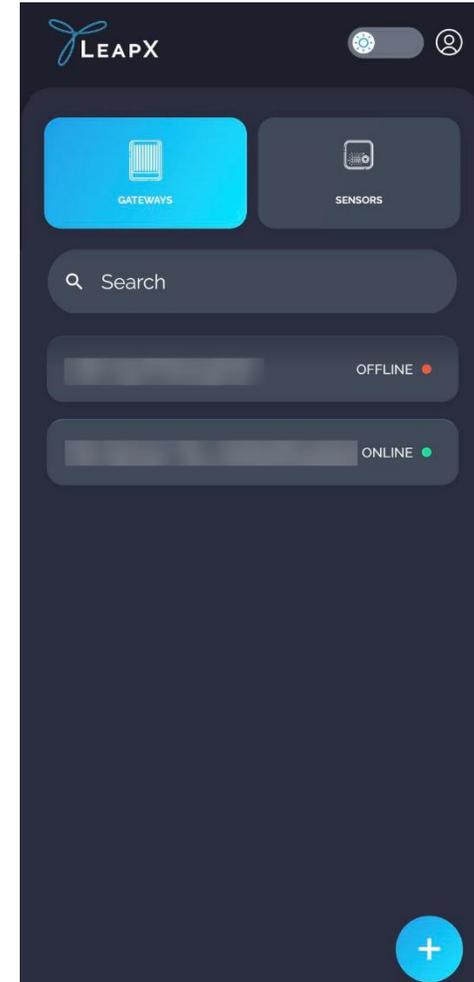
Figure-4
Gateway list

Commissioning to TEKTELIC CORE

To manually commission your gateway to TEKTELIC CORE NS, please follow the steps below:
1.   Login to your NS instance using TEKTELIC CORE credentials: FOR NA USERS – FOR EU USERS
2.   On the left navigation pane, select Gateway Groups.
3.   In the top right, click the **(+) symbol** to create a new gateway group. Name it as desired.
4.   With the Gateway Group created, click the Manage Gateways icon.
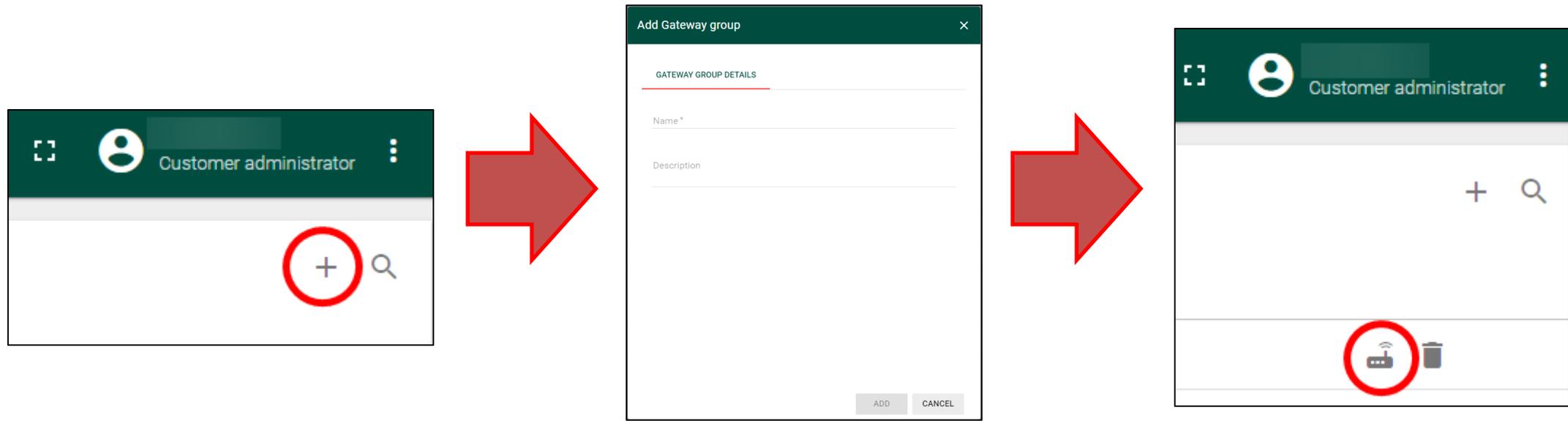
Commissioning to TEKTELIC CORE (Cont.)

5. Within the gateway group, click the (+) icon in the top right to create a gateway.
6. Fill out the fields as required:
   - **Name:** Enter as desired.
   - **GW-ID:** Found on the label of the gateway in the format of <mark>64-7F-DA-FF-FE-XX-YY-ZZ</mark>, where <mark>XXYYZZ</mark> are numbers.
   - **Gateway Model:** Enter the model that matches your gateway.
   - Checkboxes:
     - **Allow UDP connection:** Tick this box ONLY if you have a <mark>third-party gateway</mark> or <mark>Kona Micro-Lite/Pico</mark>.
     - **Allow not TLS MQTT connection:** Tick this box if you have an <mark>older Kona Gateway</mark>
7. Finalize by selecting Add at the bottom.

NOTE: "Older Kona Gateway" refers to the serial numbers that start with digits lower than 2314.

Figure-5 Creating Gateway on TEK NS

Commissioning to TEKTELIC CORE (Cont.)

Once commissioned, your gateway will still be offline.

8. Click on the name of the newly created gateway and it will bring up the gateway details.

9. Then, in the top row, select **Manage Credentials**.
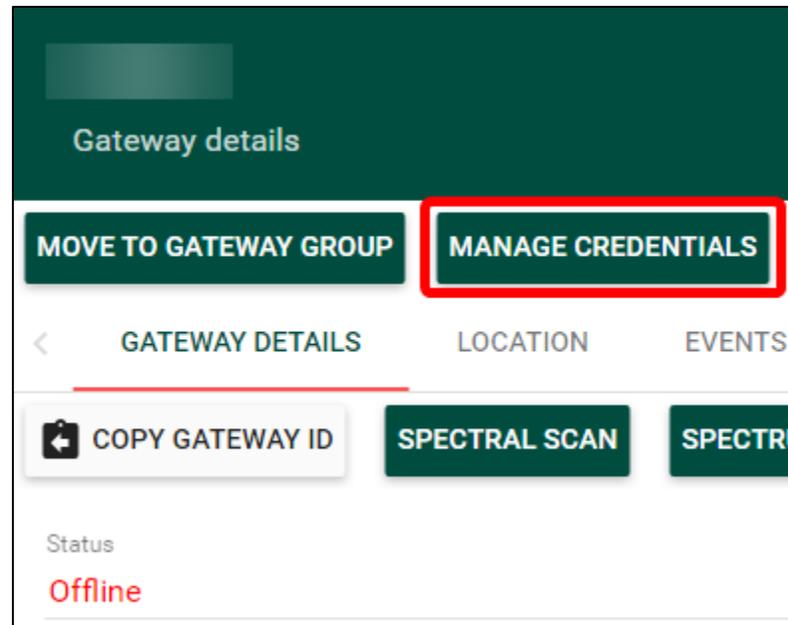
Commissioning to TEKTELIC CORE (Cont.)

10. Fill out the credentials according to the table seen below. Credential type should be **Basic**. Finalize by clicking save.
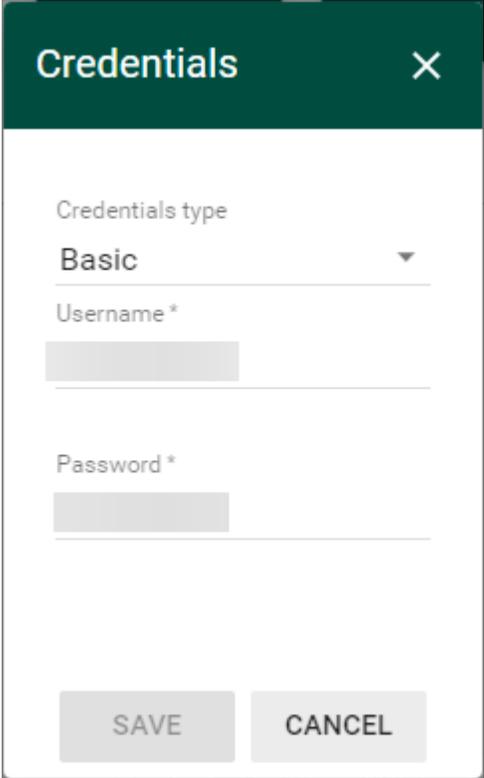
Username	Password	Additional Notes
TEK**XXYYZZ**	Serial Number (i.e. 1212A3434) on the back of the gateway	**XXYYZZ** are the last six digits of the GWID found on the label of the gateway.
Random characters	Random characters	Found on the test report.

NOTE: **Gateways made in April 2023 (SNs starting with 2314) and onwards will have randomized strings of characters for both username and password.** You may find these credentials on the test report included with each gateway.

Figure-6 TEKTEKLIC NS Gateway Credentials

Commissioning to TEKTELIC CORE (Cont.)

Figure-7 Gateway test report

Commissioning to TEKTELIC OAM

To manually commission your gateway to TEKTELIC OAM, please follow the steps below:
1. Login to TEKTELIC OAM
2. On the left navigation pane, select Gateway Groups.
3. In the top right, click the **(+) symbol** to create a new gateway group. Name it as desired.
4. With the Gateway Group created, click the Manage Gateways icon.
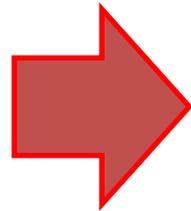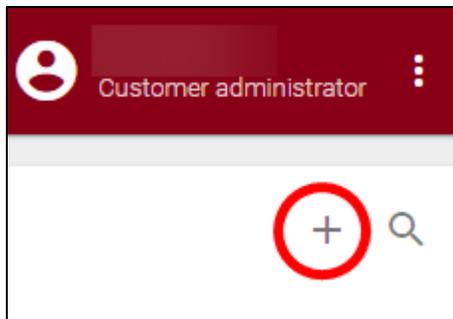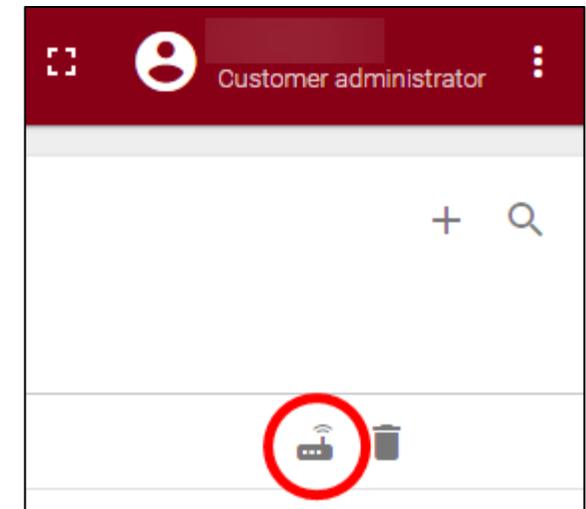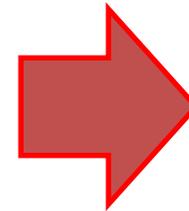
Commissioning to TEKTELIC OAM (Cont.)

5. Within the gateway group, click the (+) icon in the top right to create a gateway.
6. Fill out the fields as required:
    - Name: Enter as desired.
    - GW-ID: Found on the label of the gateway in the format of **64-7F-DA-FF-FE-XX-YY-ZZ**, where **XXYYZZ** are numbers.
    - Gateway Model: Enter the model that matches your gateway.
7. Finalize by selecting Add at the bottom.

NOTE: **TEKTELIC OAM only supports MQTT connection to the gateway.** This means that 3rd-party gateways are NOT supported.

Figure-8 Add Gateway on OAM

Commissioning to TEKTELIC OAM (Cont.)

Once commissioned, your gateway will still be offline.

8. Click on the name of the newly created gateway and it will bring up the gateway details.
9. Then, in the top row, select **Manage Credentials**.
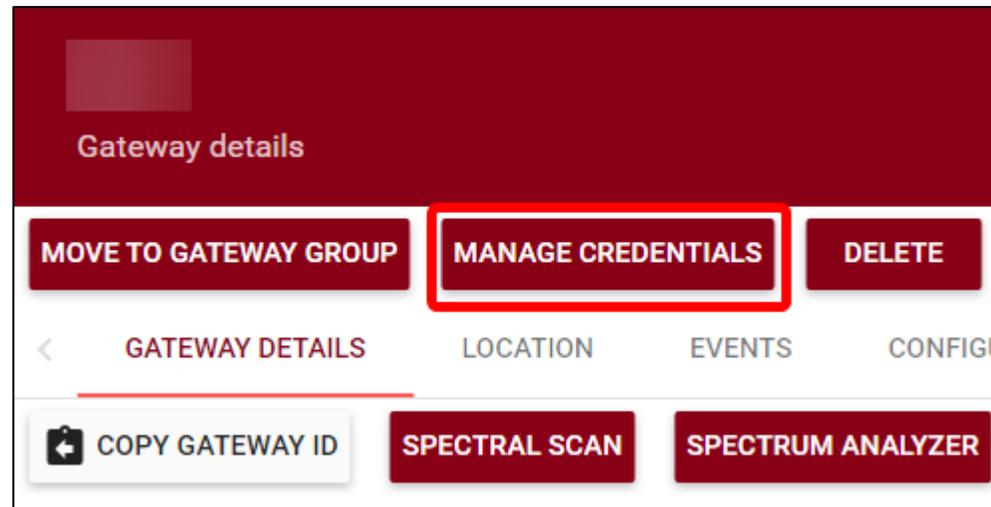
Commissioning to TEKTELIC OAM (Cont.)

10. Fill out the credentials according to the table seen below. Credential type should be **Basic**. Finalize by clicking save.
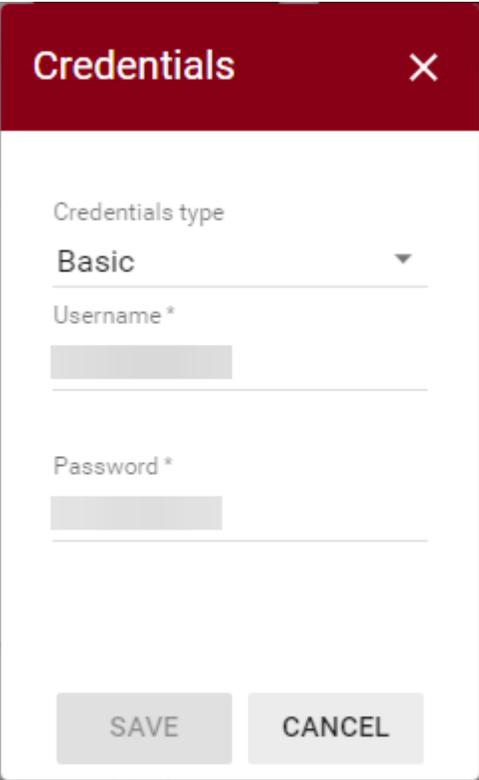
Username	Password	Additional Notes
TEK**XXYYZZ**	Serial Number (i.e. 1212A3434) on the back of the gateway	**XXYYZZ** are the last six digits of the GWID found on the label of the gateway.

Figure-9 Gateway credentials on OAM

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