StockVUE Demo Setup Guide

January 2021

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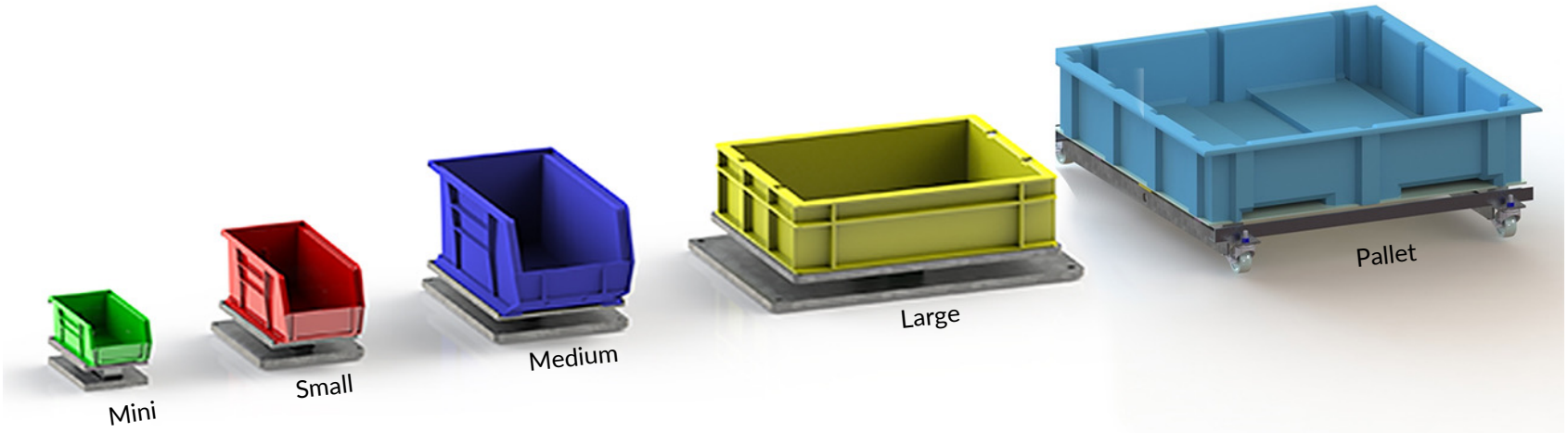
Smart Scales



Bins are not included with the StockVUE solution

Mini: 4” x 6”

1 kg (2.2 lb), 2 kg (4.4 lb), 3 kg (6.6 lb)

Compatible Bin: AkroBin 30220

Small: 7” x 9”

3 kg (6.6 lb), 5 kg (11 lb), 10 kg (22 lb)

Compatible Bin: AkroBin 30230

Medium: 9” x 13”

10 kg (22 lb), 20 kg (44 lb), 50 kg (110 lb)

Compatible Bin: AkroBin 30240

Large: 15” x 18”

50 kg (110 lb), 100 kg (220 lb), 250 kg (550 lb)

Compatible Bin: AkroBin 30270

Pallet: 36” x 44”

200 kg (440 lb), 1000 kg (2200 lb), 3000 kg (6600 lb)

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Parts List

Router (SC1200)

IoT Gateway Node

IoT Gateway Node +

MiniB to MiniB Cable

USB Dongle

Receiver Stick

OR

Receiver Dongle

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How to Select the Right Scale for an Item

Accuracy of Scales

Accuracy of scales: +/- 0.1% of full scale from -10C to 40C

On a 10 kg Small Scale the accuracy is 10 grams in 10,000 grams

On a 20 kg medium Scale the accuracy is 20 grams in 20,000 grams

Or on a 1 kg scale it is 1 in 1000 grams

Volume and Weight of Items

Figure-out how many pieces of an item you would like to store in that location

Estimate the volume occupied and the weight of that item

Based on that, pick the bin and the appropriate size of the scale you need for that item (Mini, Small, Medium, Large, or Pallet)

Once you pick the size, pick the right capacity of scale to ensure the accuracy you need

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Step 1 Download and Install LV-100 on your PC

1 a. Download LV-100 software from Loadstar Sensors website -

https://www.loadstarsensors.com/downloads.html

Download LV-100 for Windows or Mac

1 b. You can do this step with LV-100 (LoadVUE Lite), LV-1000 (LoadVUE Pro), SensorVUE, ControlVUE or even Putty

1 c. Gather the scales, empty bins or containers you plan to use and at least 10 pieces of each of the items you want to track.

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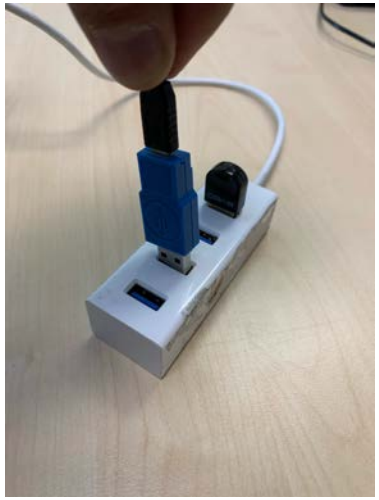
Step 2 Connect Scale to PC

Use MiniB to MiniB Cable

Connect one end to scale

Connect the other end to USB Dongle



Connect USB Dongle to PC or Hub

Launch LV-100 (LoadVUE Lite) application on your PC

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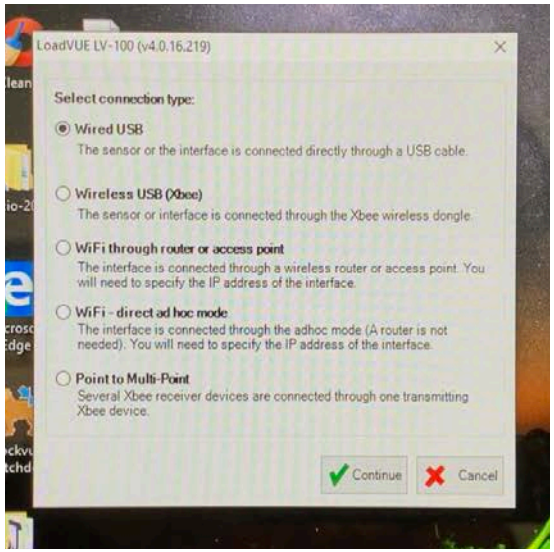
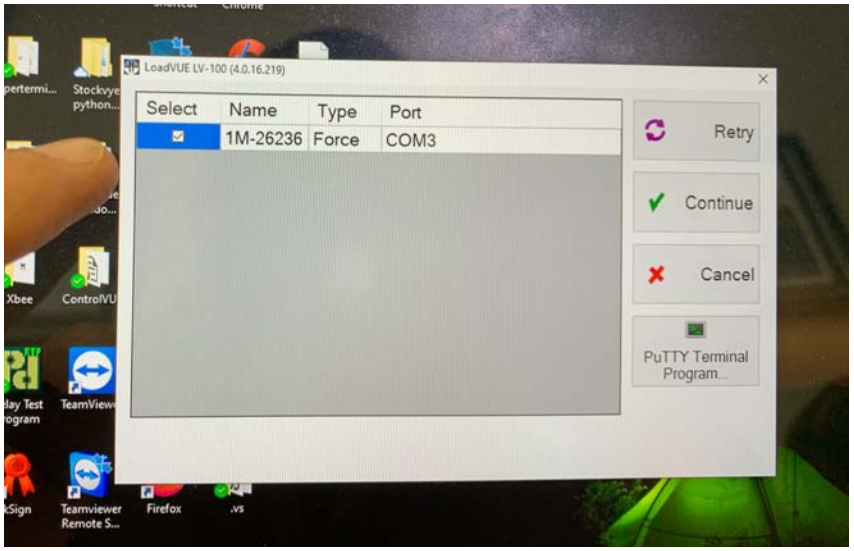
Step 3 Get Software Ready to Tare Each Scale

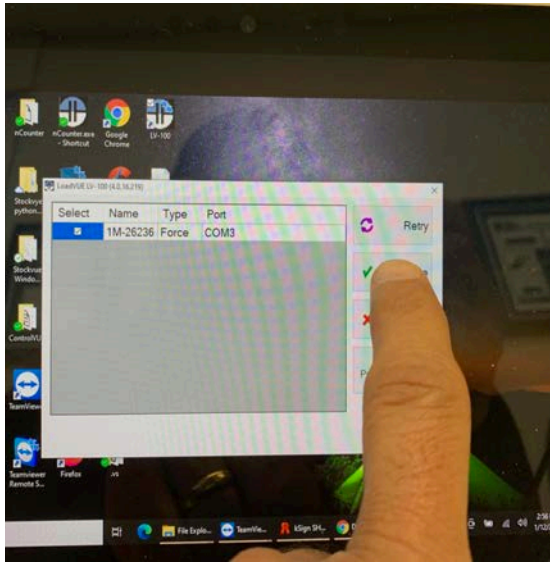
3 a



3 b



3 c



3 d

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Step 4 Tare Each Scale

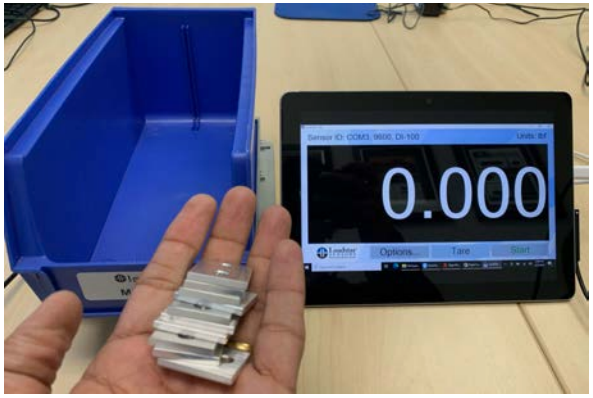
4 a

Place Empty Bin on Scale

4 b

Tare Scale and then Start

4 c



Place 10 Pieces of Item to be Tracked

4 d

Note Down Piece Weight

Example: 0.134/10 = 0.0134

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Step 5 Connect Scales to the Router

5 a. Place the scales on the assigned shelf or rack

5 b. Place the SC-1200Z Router on the shelf or rack

5 c. Connect each scale to the router using the MiniB to MiniB USB cable

5 d. Connect the Router to the Power Supply using 9V/12V power

For multiple routers, connect one router to power supply and connect this router with other routers in a daisy chain

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Step 6 Setup Node or Node+

6 a. Get a USB keyboard and USB mouse and connect them into any of the four available USB ports

6 b. Connect the Receiver Dongle or Stick

OR

6 c. Power the Node+ using the 5V Power Supply provided which comes with USBA to Micro USB cable

6 d. Turn on the power supply by clicking on the push button switch. A blue light indicator will come on

On a Raspberry Pi or on a Mac, the drivers usually come pre-installed. On a PC you will need to download and install the FTDI drivers from our site: www.loadstarsensors.com under Support and Downloads menu. Go to the link on that page and pick and install the correct FTDI driver for your particular type of PC if needed.

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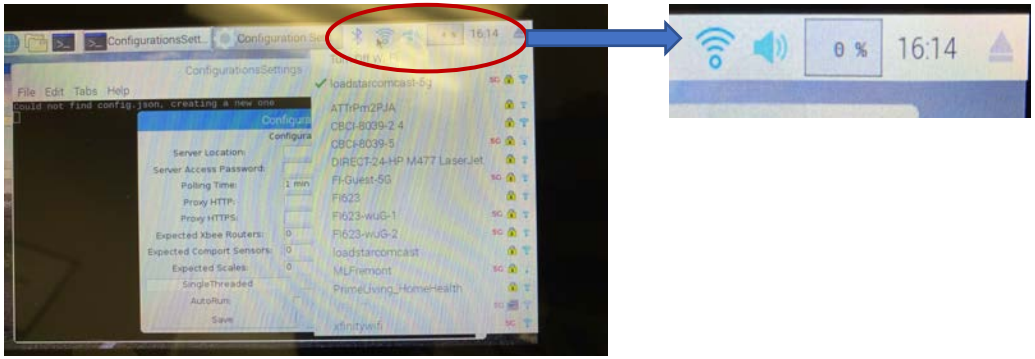
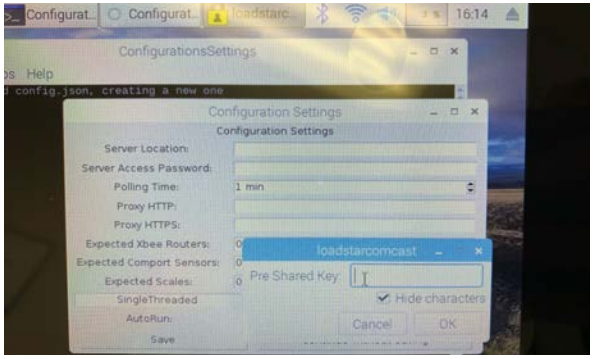
Step 7 Setup WiFi on Node+

7 a. Click on the WiFi icon on the upper right corner of the Node+ (or on your monitor if you are using a HDMI screen with the Node) icons.



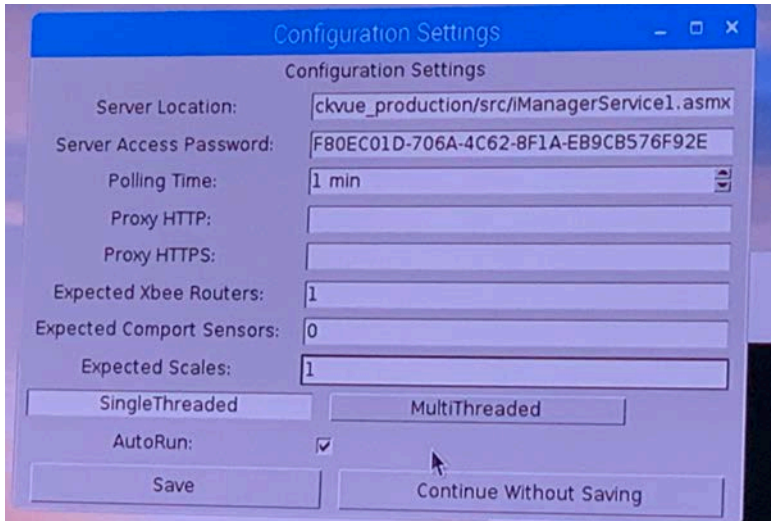
7 b. Enter the password for the selected network

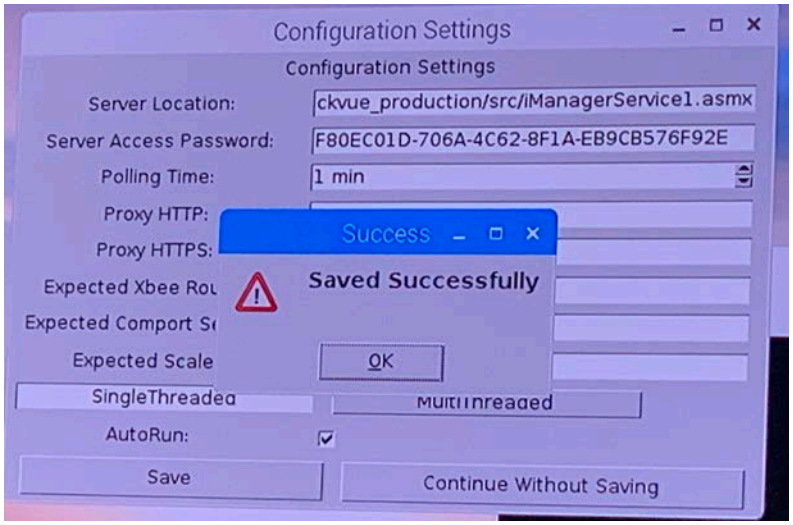


Once connected successfully, the WIFi icon will be activated. If needed you can click on the Globe icon to open the native browser and make sure the device is able to reach the Internet by going to Google.com or any other website.

Step 8 Configure StockVUE Edge

8 a. Enter the information provided for Server Location and Server Access Password by us into the Configuration screen. Ensure that information is entered with the exact case as provided





8 b. Enter the exact number of routers and connected scales at your site. Select Auto-run and Save

8 c. Power it down and power it back up

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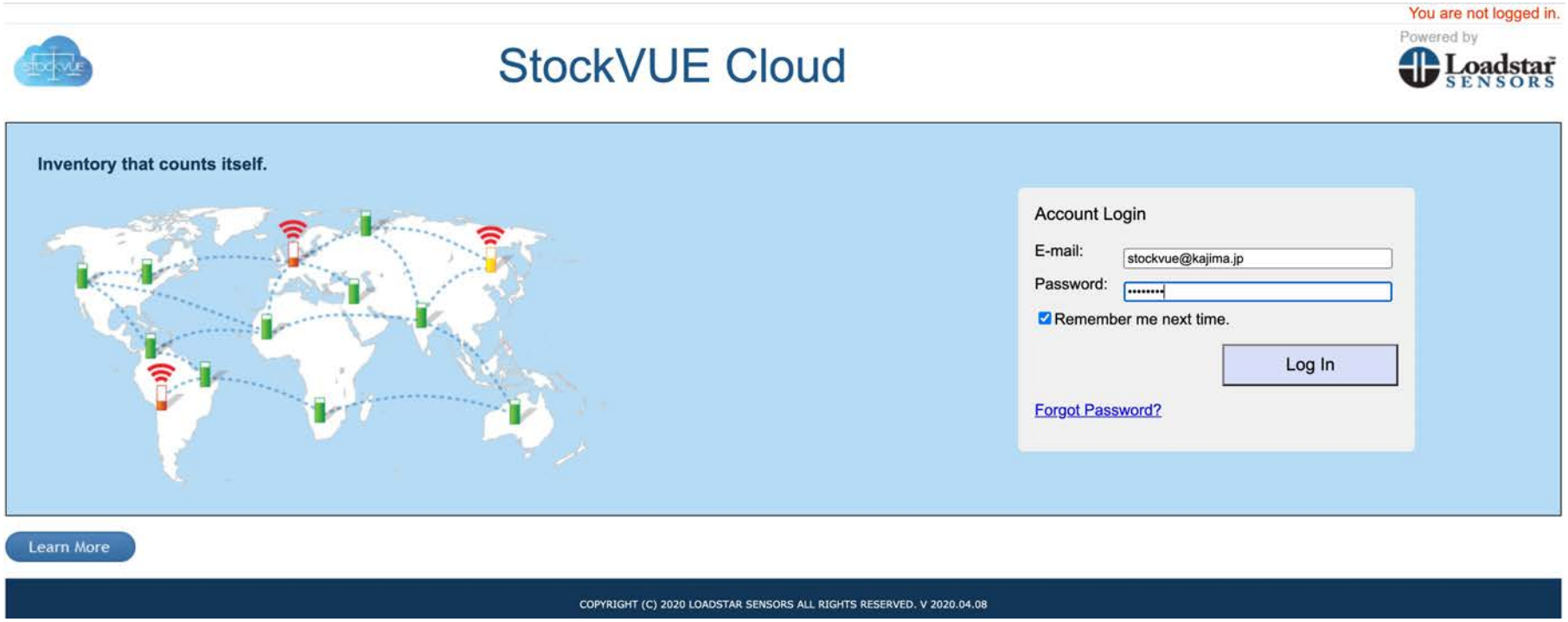
Step 9 Start StockVUE Web Application

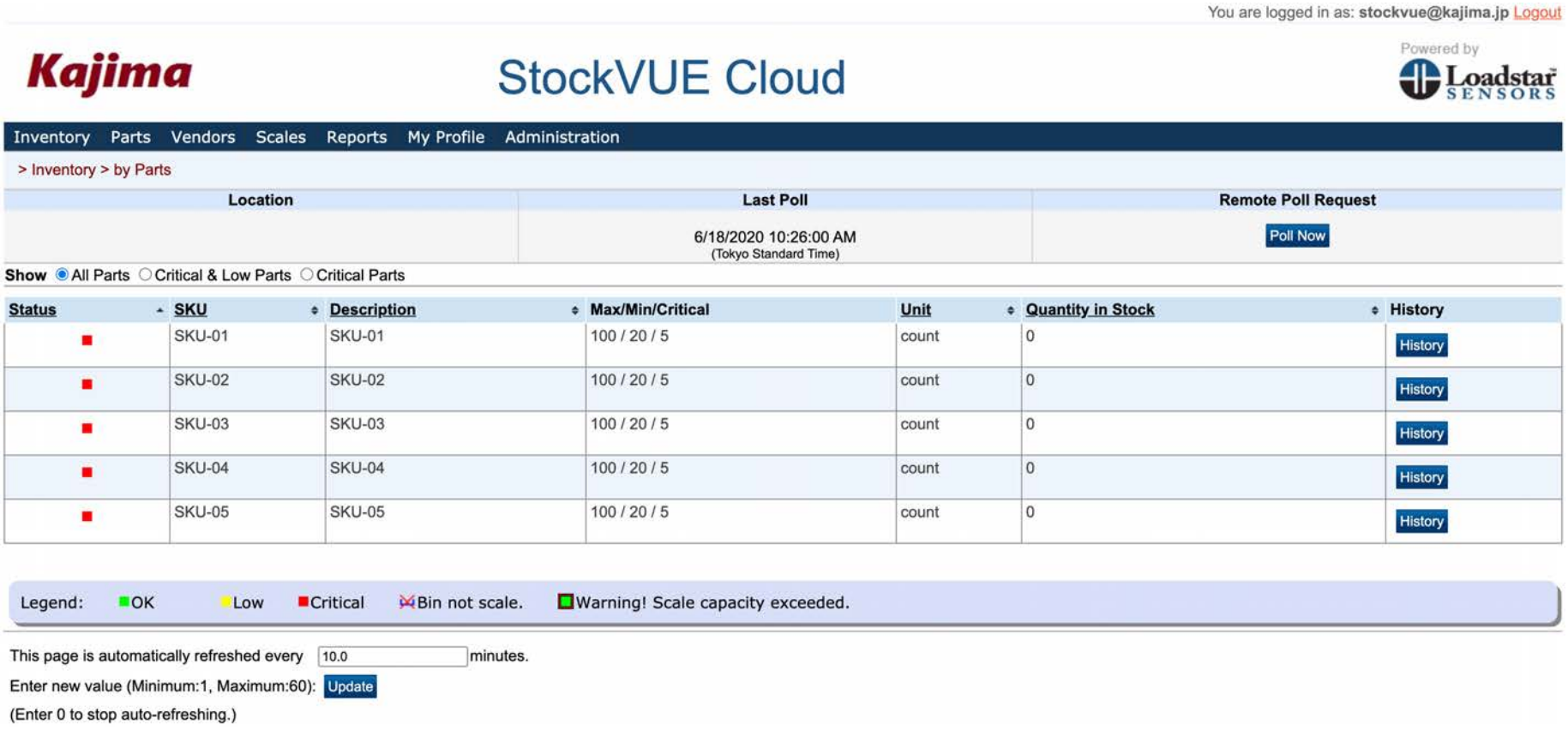
9 a. Go to mystockvue.com on your browser

9 b. Enter the Login and Password provided to you



Step 9 Start StockVUE Web Application - 2

If you have already setup parts or some dummy parts have been setup for your site, you will see this screen



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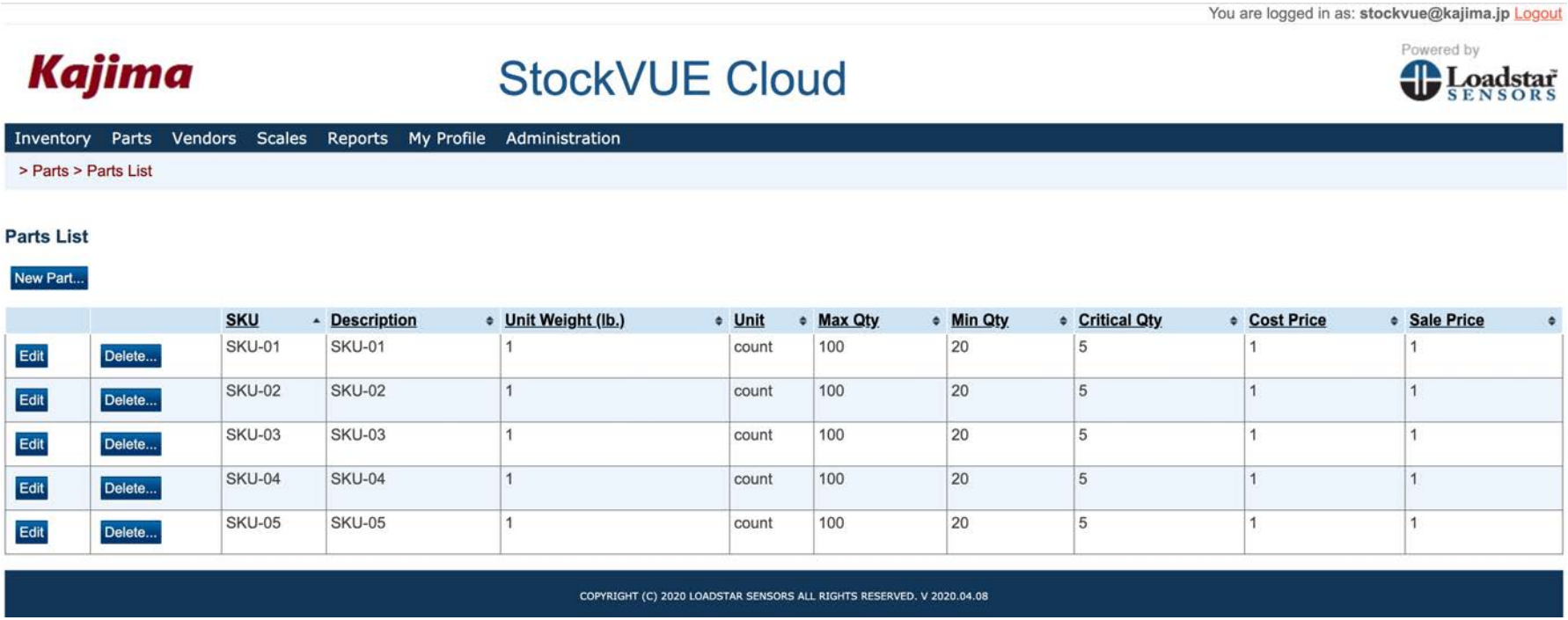
Step 10 Set up Your Parts List

10 a. Click on Parts → Parts List menu option and click Edit on the Part that you want to define



Step 10 Set up Your Parts List - Edit Part

10 b. Define SKU, Description, Piece Weight, and Max/Min/Critical Level for the part

Note: Use the Piece Weight that we calculated in Step 4 while taring the scales.

Note: If the item is ordered in 100-unit packs then, enter 100 for Package Quantity (for re-ordering)

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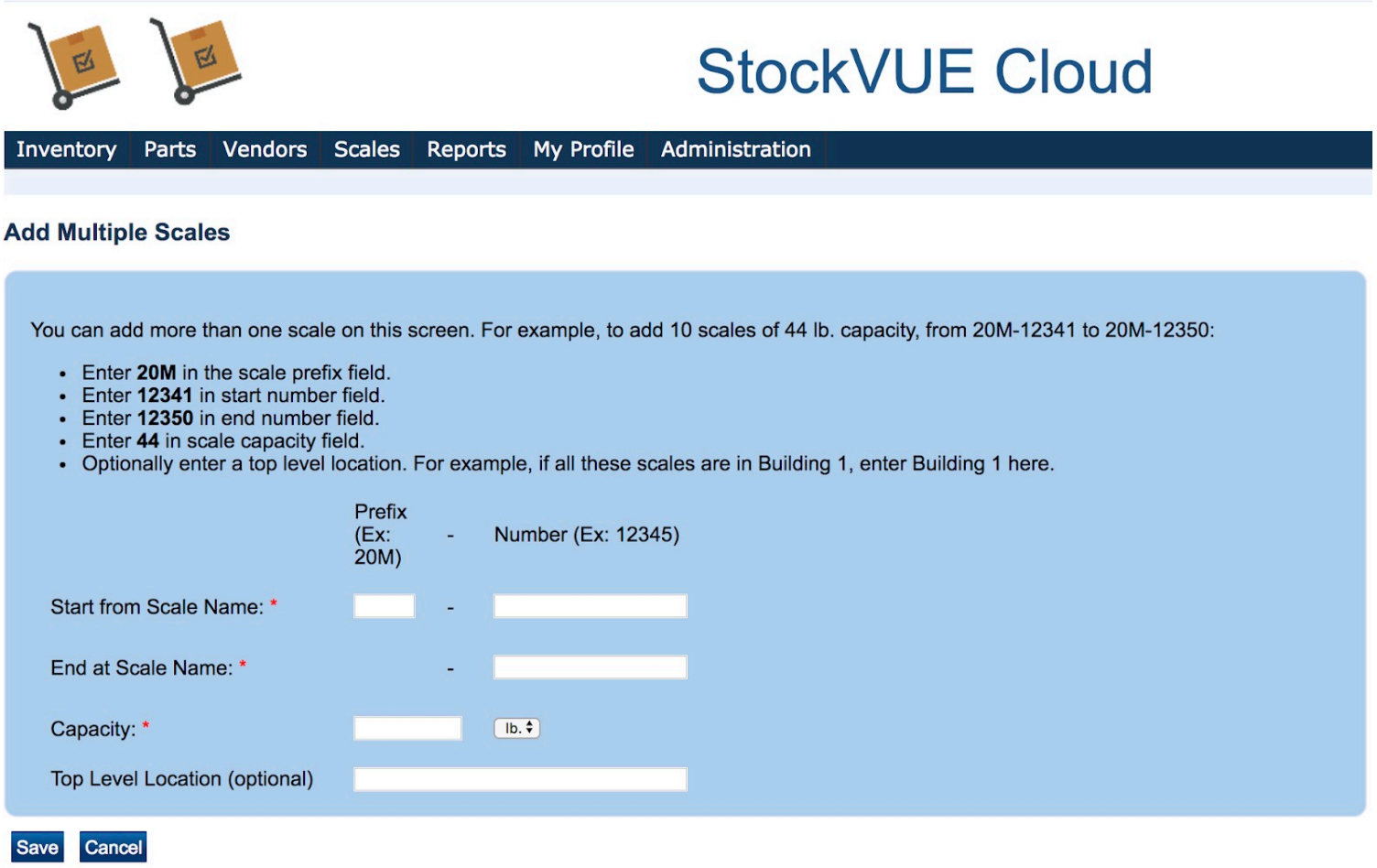
Step 11 Set up Your Scales

11 a. Setup your Scales in the system either one by one or in a group.



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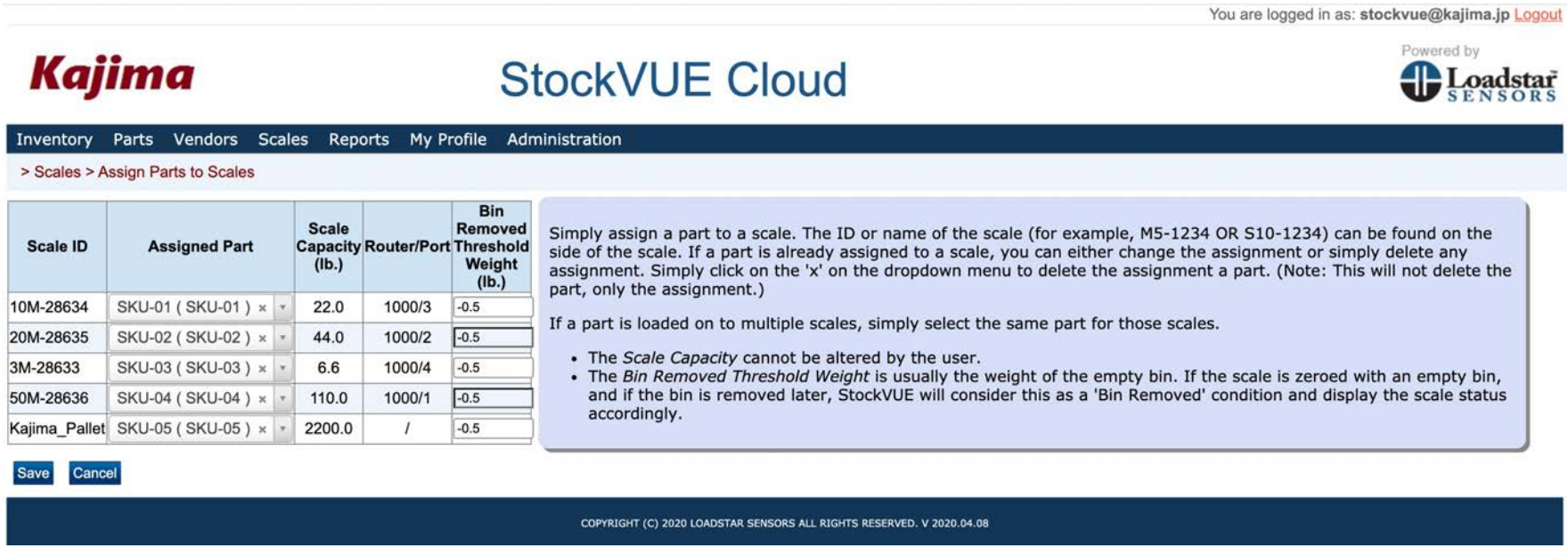
Step 12 Assign Parts to Scales

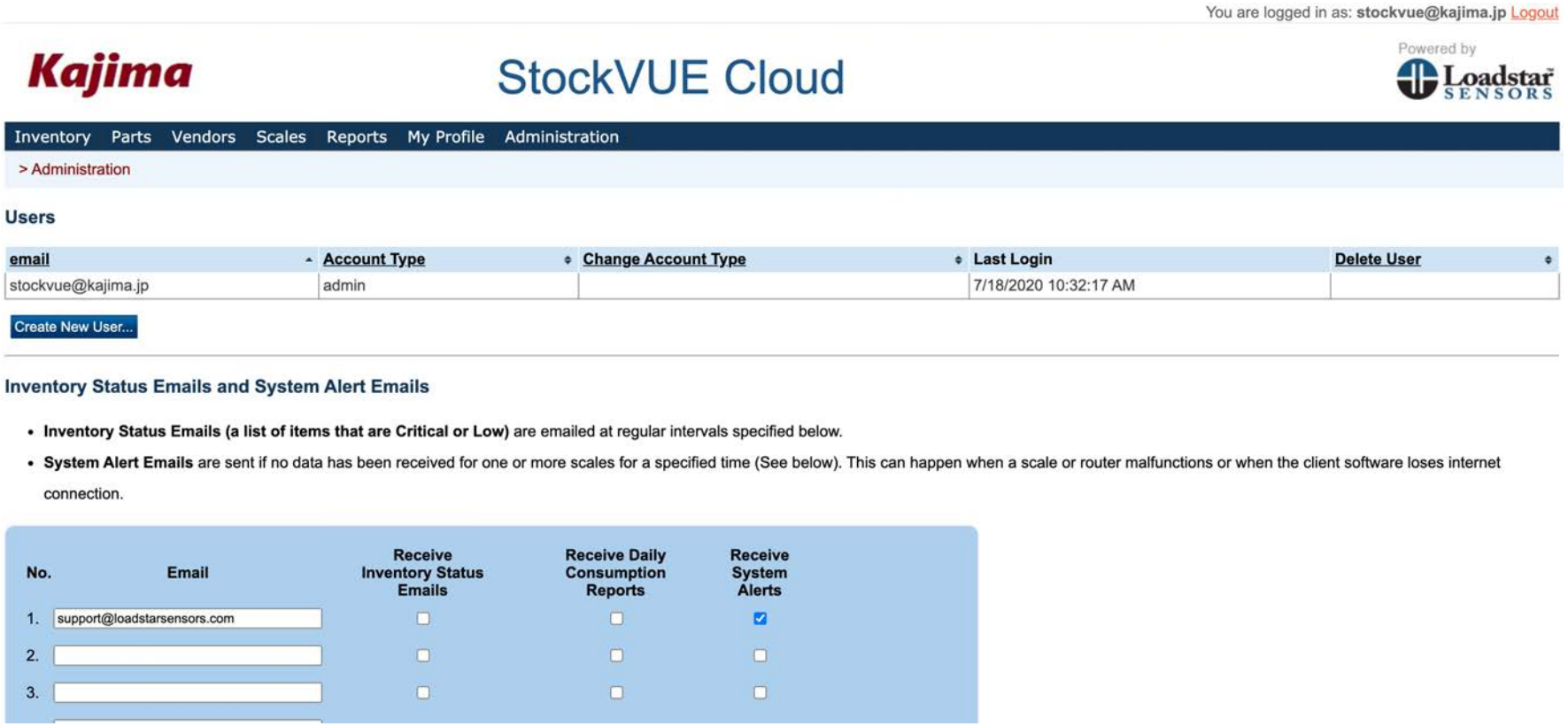
12 a. Define which part is placed on which scale

Note: Each part can be on multiple scales if needed. The system shows you aggregate parts count as well as parts on each scale



Step 13 Assign Who Gets Alerts

13 a. Enter email address(es) of personnel who should receive system alerts and inventory alerts.



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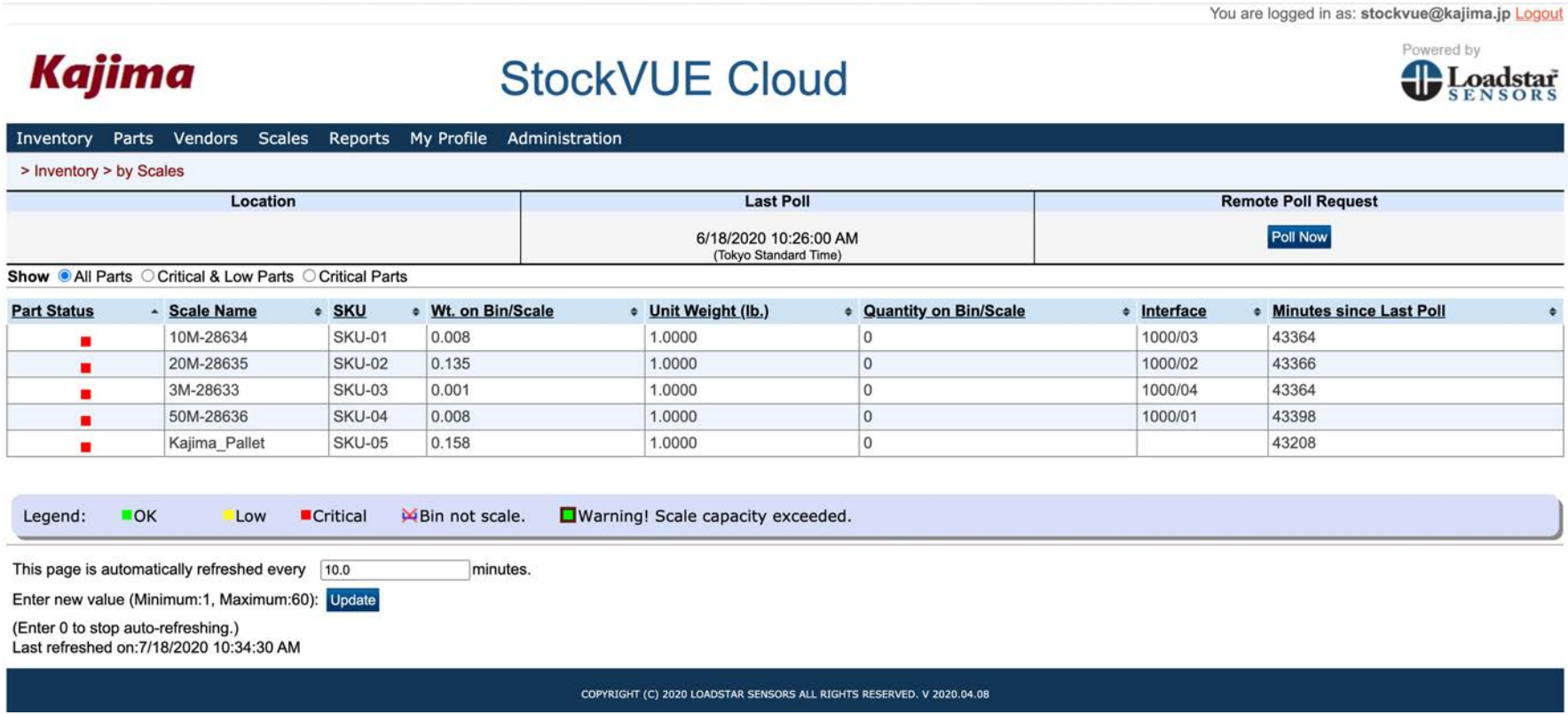
Step 14 View Inventory by Parts or by Scales

14 a. View up to the minute inventory information

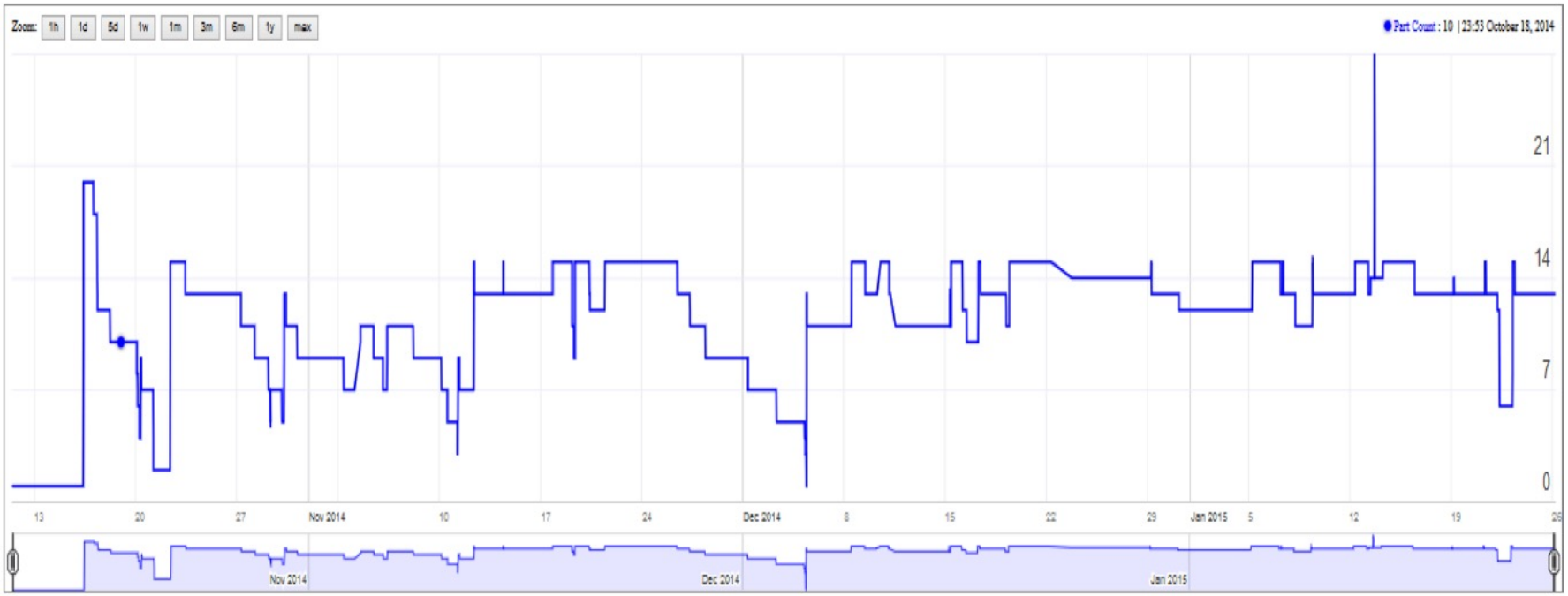
14 b. See when information was last updated



Step 15 View Inventory Consumption Pattern

15 a. Select the time period for which you want to see the consumption and replenishment activities

Part ID	SKU	Description	Max / Min / Critical Qty.
685	0530124	FP (-20) X FP (-20) BALL VALVE 600 PSI	15/7/4



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At this Point your Setup is Complete

You can choose to get daily reports and alerts sent to you and setup other parameters from:

Reports, My Profile or Administration Menu Options.

You can get inventory data autonomously and in almost real time to make your life easier!

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Note 1: Accuracy of Scales: +/-0.1% of Full Scale from -10C to 40C

On a 10 kg Small Scale the accuracy is 10 grams in 10,000 grams

On a 20 kg medium Scale the accuracy is 20 grams in 20,000 grams

Or on a 1 kg scale it is 1 in 1000 grams

So, select the right scale for the right part and keep the error % in mind

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Note 2: Frequency of Data Upload from Smart Scales

The data update rate is set in the StockVUE Edge software on the Node+ or PC from where data is uploaded to the cloud.

For a demo, you can set it as fast as 5 seconds but in the real-world implementation, you set it at no faster than every 15 minutes or so.

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Inventory that Counts Itself™

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