MAXIMO HEALTH HANDS-ON LAB

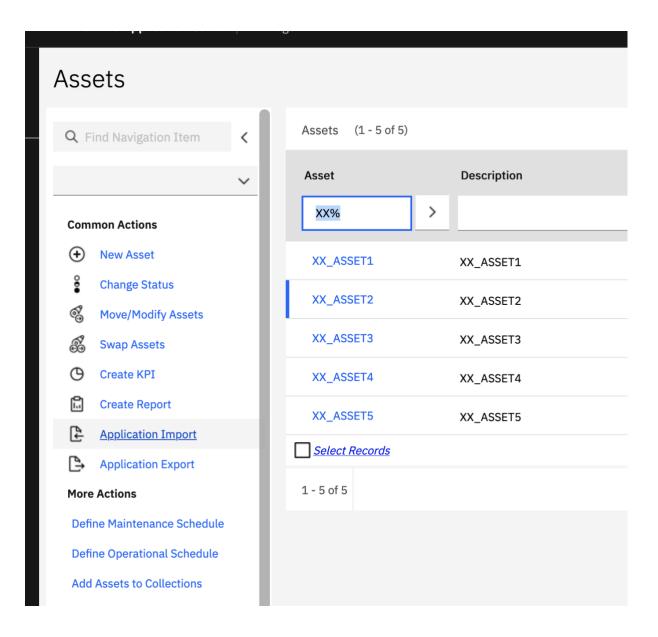
In this Exercise, you will learn how to setup Asset Health scores like Health, Risk, Criticality, RUL, Age, Next PM, MRR)

Important Note:

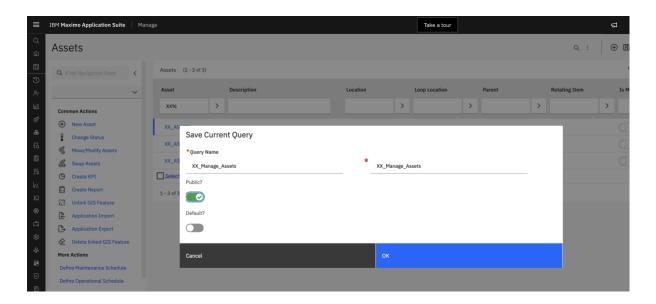
In this lab exercise, I'll be creating assets like XX_Asset1, XX_Asset2, Please make sure you replace the word XX with your initials during the lab.

Setup initial Manage data

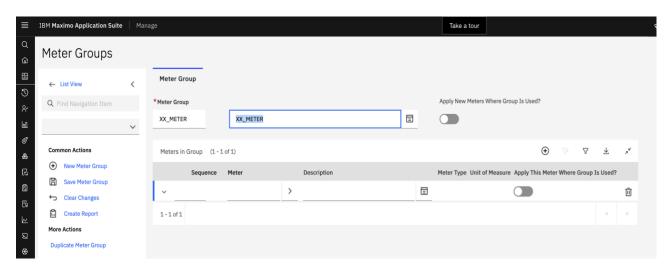
- 1) Open Manage application.
- 2) GO TO Assets application and click on + icon to create new Asset records. Create at least 5 assets with Asset name like XX_ASSET1, XX_ASSET2, XX_ASSET3, XX_ASSET4, XX_ASSET5 etc.
- 3) Change the status of all assets to Active.
- 4) Go to List tab and filter the assets which you have crated.



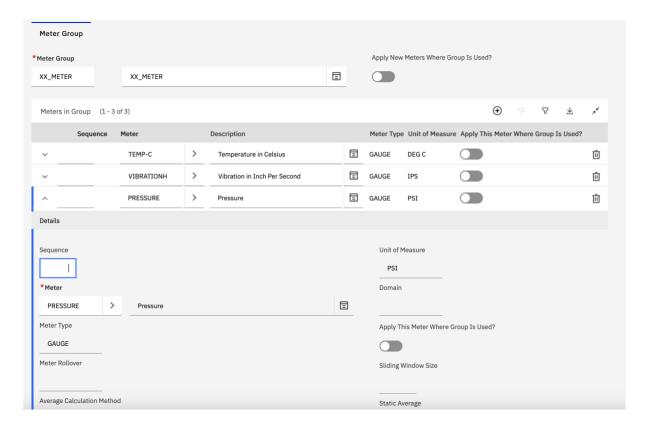
- 5) Save the Asset list by using Save Query option.
- 6) Enter Query name and Description as : XX_Manage_Assets And select Public as true



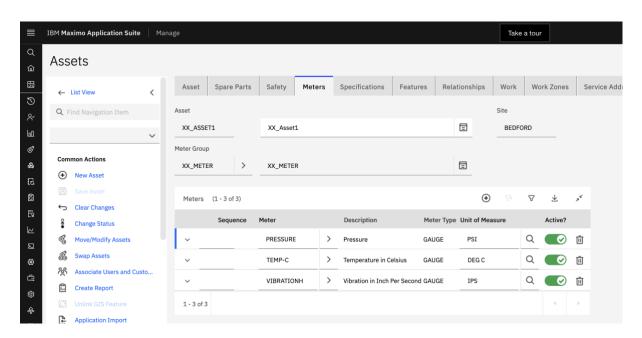
7) Go to Meter Group Application and create a meter group e.g XX_METER



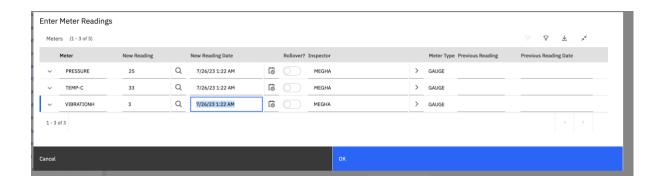
8) Add Meters in the group as below



- 9) Save the record.
- 10) Go to Applications -> Asset and associate the meter group XX_METER to all assets created above.

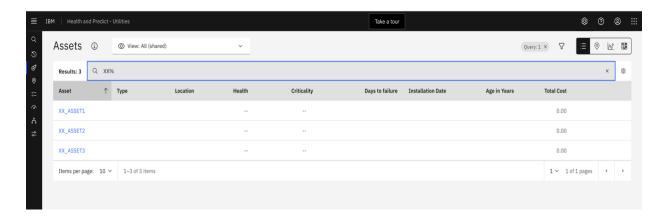


11) Enter Meter readings for all the assets using More Actions -> Enter Meter Readings e.g XX_Asset1 : Pressure : 22, Temp -c : 37, Vibration : 4 similarly add meter reading for rest the assets.

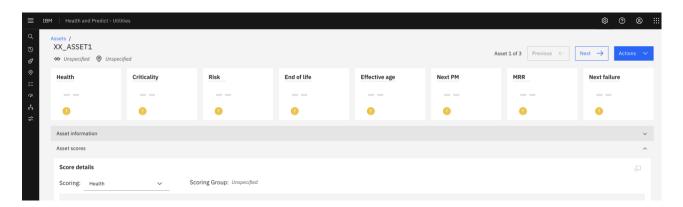


Setup Health

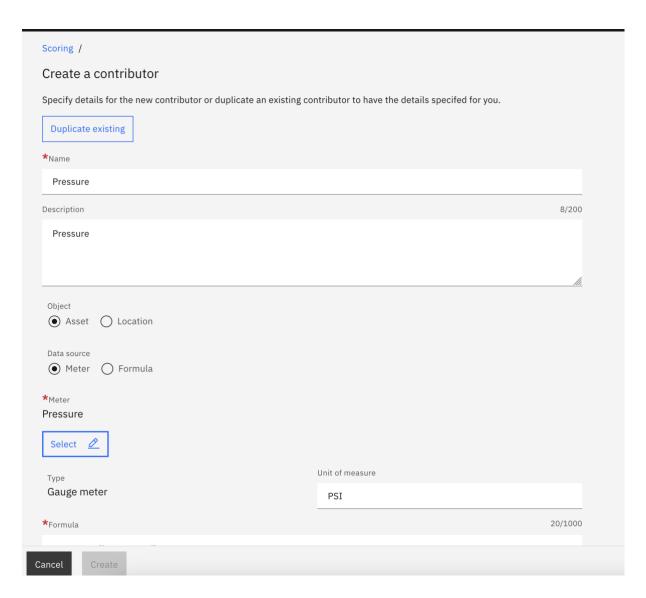
- 1) From the MAS homepage, Click Launch on the Health card
- 2) Go to the top-left Assets menu. Enter XX in the Search bar. This will return the 3 Assets we just created in Maximo.



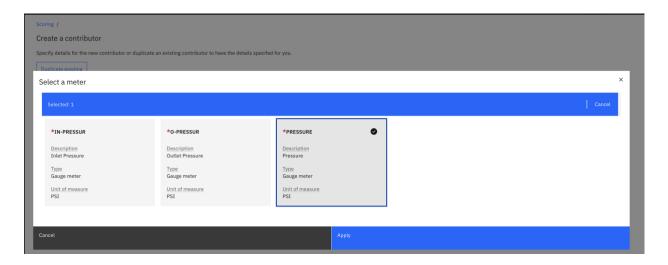
3) Click on XX_Asset1 and observe the various cards that appear out-of-the-box. they are all empty for the moment. Let's populate them!



- 4) Go to the top-left Scoring menu, then go to the Contributors tab and create a new Contributor as below
- 5) Contributor name and description as: Pressure
- 6) Select the Data source as Meter.

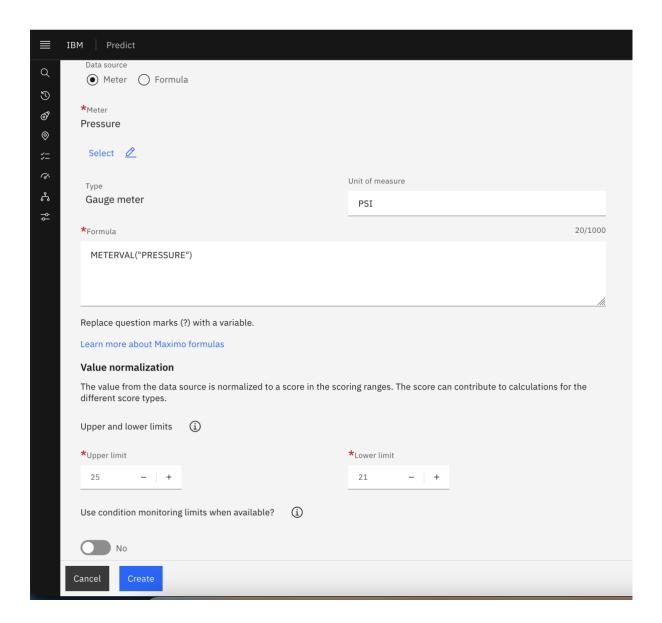


7) Click on Meter and Select the Pressure in pop-up window.

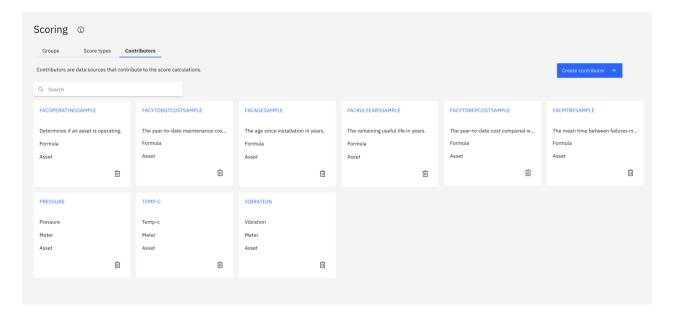


8) Enter the value in normalization section as below

Upper limit: 25 and Lower limit: 21



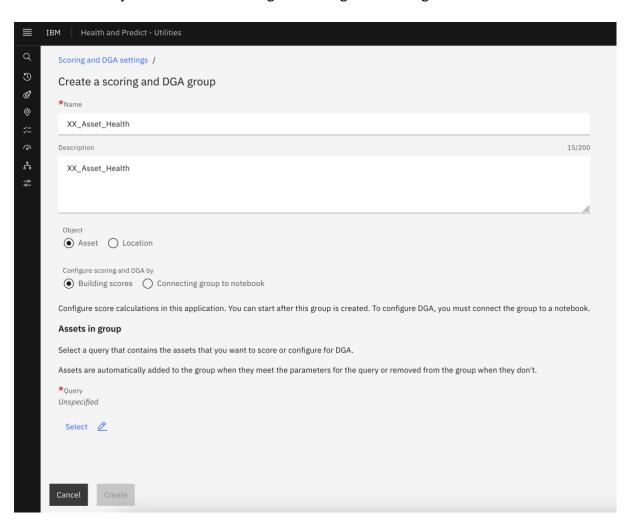
- 9) Click on Create button.
- 10) Repeat the above steps (5-9) for Meters: Temp -c, VIBRATIONH Final contributors will look like below



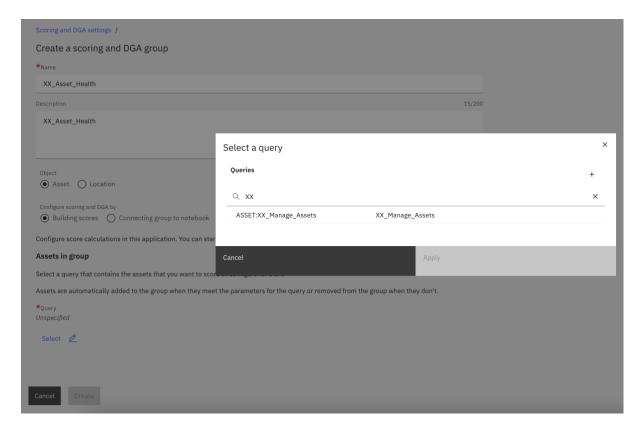
11) Go back to the Groups tab and Create a Scoring group by clicking the Create a scoring group button.

Group name: XX_Asset_Health Description: XX_Asset_Health

Select object as Asset and Configure Scoring as: Building Score

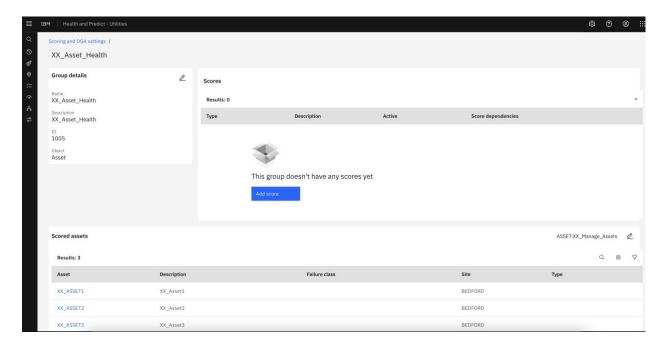


12) Click on the Select pencil icon to select the query and filter with the Saved query created in Manage application

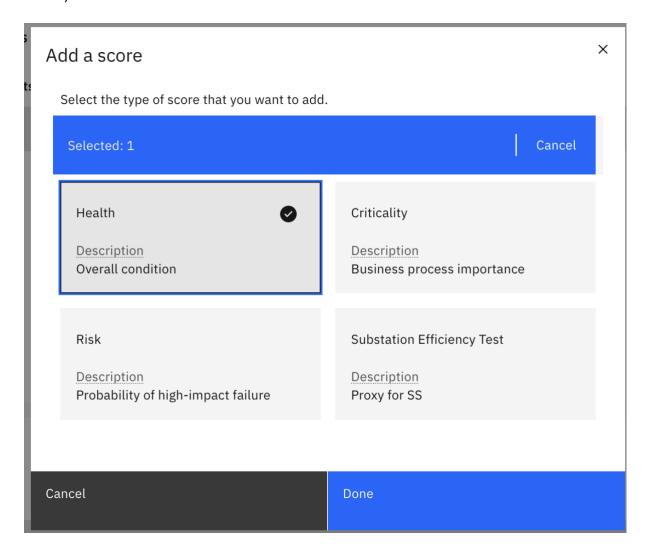


Click on Apply 13) Click on Create.

Scoring Group will be created as below.

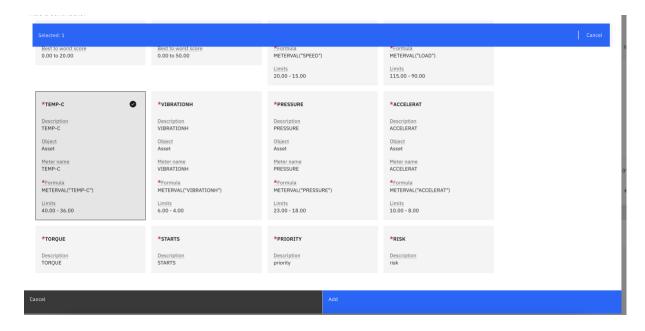


14) Click on Add Score button and Select Health score.

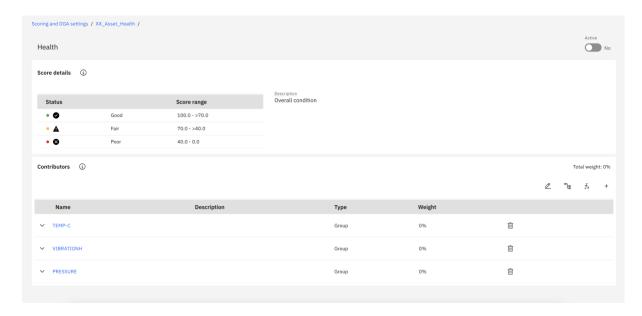


Click done

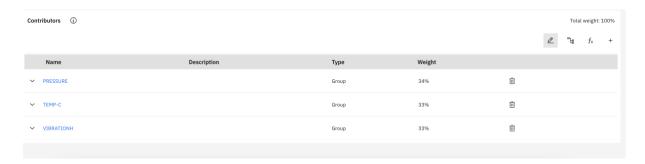
15) Click + icon to add the Contributors to the Health score and select the contributors as below

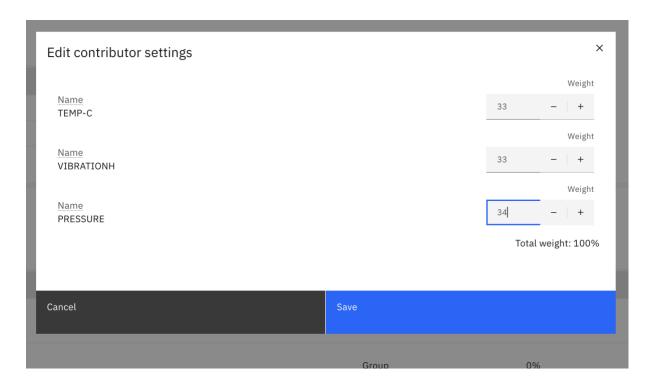


Add other two contributor as well: VIBRATIONH, PRESSURE



16) Click on Pencil icon to add the weight for each Contributor





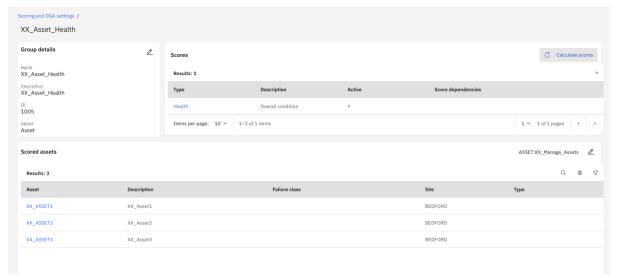
Make sure that the total Weight is 100%

Click on Save.

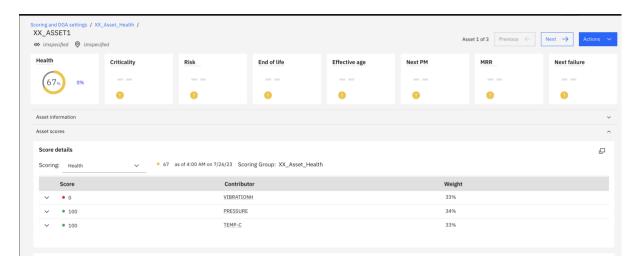
17) Toggle the Active box to yes



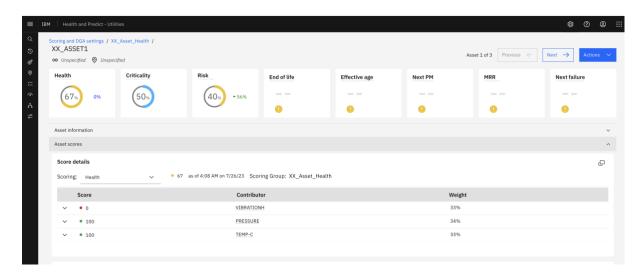
18) Go back to the Scoring Group and click on the Calculate scores button



19) Select any asset from Scored Assets list and verify that Health score has been displayed.



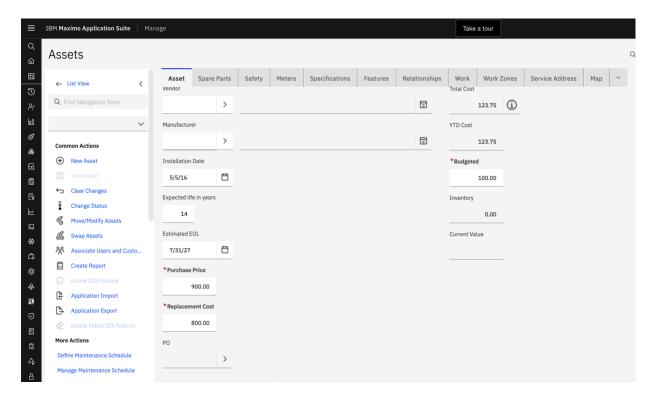
20) Follow the steps (14-19) to calculate the Criticality and Risk scores



Note: Definition of Health, Risk and Criticality might vary from an organization to another, and these scores are fully configurable. You can also use <u>custom formula</u> to define these scores.

Calculate RUL and Age Scores

- 1) Open Manage application
- 2) Go to Asset Application and open the Asset: XX Asset1
- 3) Enter the value in Installation Date and Expected life in years fields
- 4) Save the asset record.
- 5) Similarly provide the values for remaining assets.

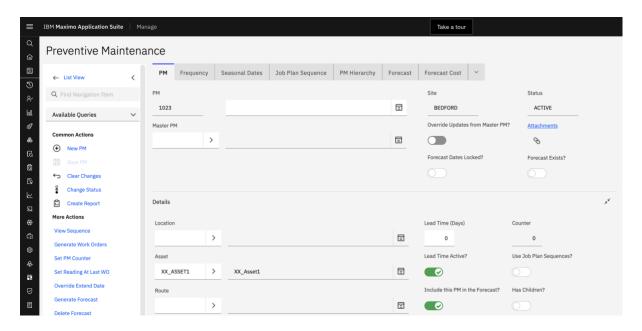


- 6) Go to Health application and open the Asset detail page.
- 7) Select Recalculate scores from Actions menu.

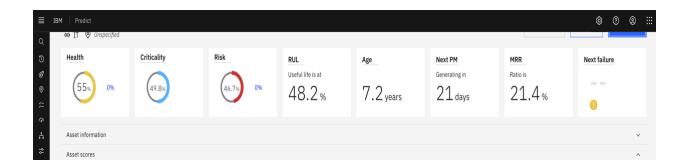


Calculate Next PM and MRR

- 1) Open Manage application
- 2) Go to Preventive Maintenance Application and create a new PM record using Asset: XX ASSET1
- 3) Select the Frequency as Time based Frequency and enter 3 in Frequency, and in the Estimated Next Due Date, enter a date in the future.
- 4) Change the PM status to Active.
- 5) Similarly add the PM record records for remaining Assets.



- 6) Go to Work order Tracking Application
- 7) Create a new workorder using XX Asset1 as Asset
- 8) Change the status of WO to APPR.
- 9) Go to the Actuals tab and at the bottom of that tab, click the Add Labor
- 10) In the Details section, enter a Start Date in the past, and 9 in the Regular Hours field.
- 11) Change the status of WO to **closed**.
- 12) Similarly create WO records for all remaining Assets e.g XX_ASSET2, X_ASSET3 etc.
- 13) Go to Health Application and open the Asset detail page
- 14) Select Recalculate scores from Actions menu.



Congratulations !! You have successfully completed the Maximo Health Lab

Document History

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