Module 9: Advanced Analytics in Power BI

Assignment (Solution)

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# Assignment Solution

Task 1: Create a goal called **Project Incident Management Process** and then create the following sub-goal (scorecards)

 i.   Incidents waiting for approval
 ii. Critical Backlog incident
 iii. % PM Compliance
 iv. % Schedule Compliance

Step 1: Go to a **workspace** on power BI service → Create a new **Scorecard** → New metric → And name it **Project Incident Management Process** → Save.
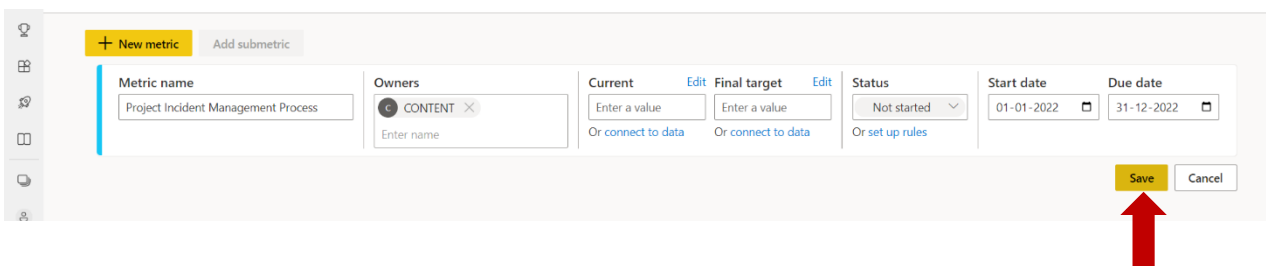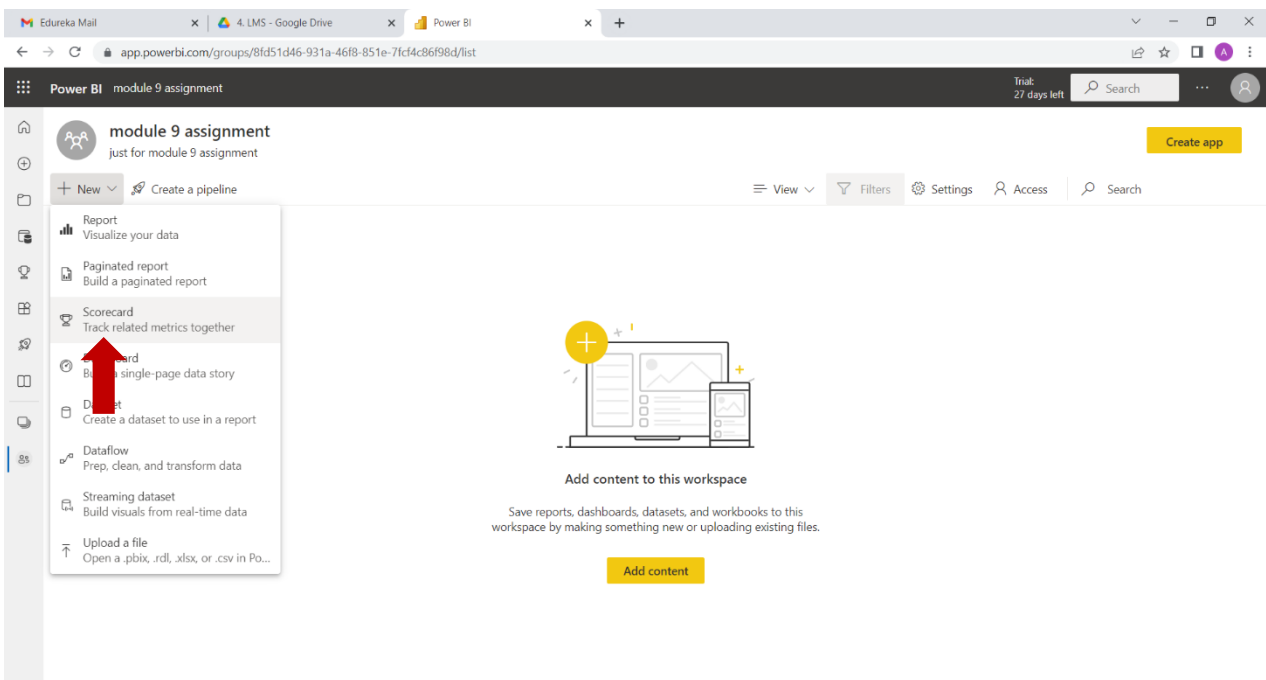
Incidents waiting for approval

Step 2: Click on the check box of metric → Add sub-metric → Named it as **Incidents waiting for approval** → Save.

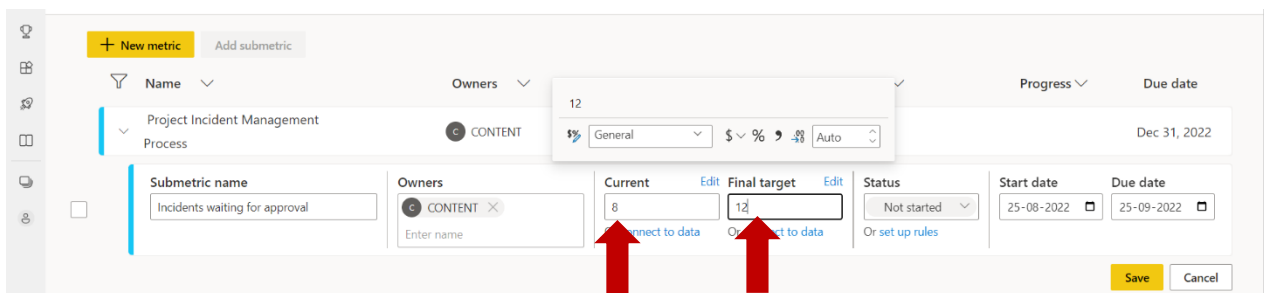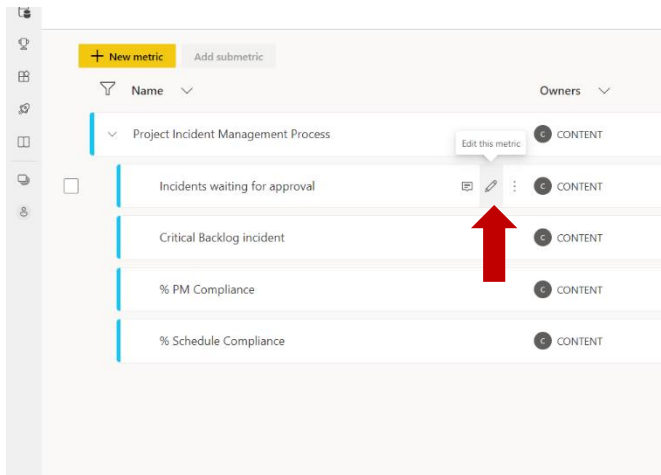**Note: repeat this process for all asked sub-metrics in the first task.**

Task 2: Edit the First sub-goal **Incidents waiting for approval**

Provide the current value as 8 and give the Target value of 12.

Step 1: Go to First sub-goal **Incidents waiting for approval** → **Edit** (Pen icon) → **Fill below detail.**
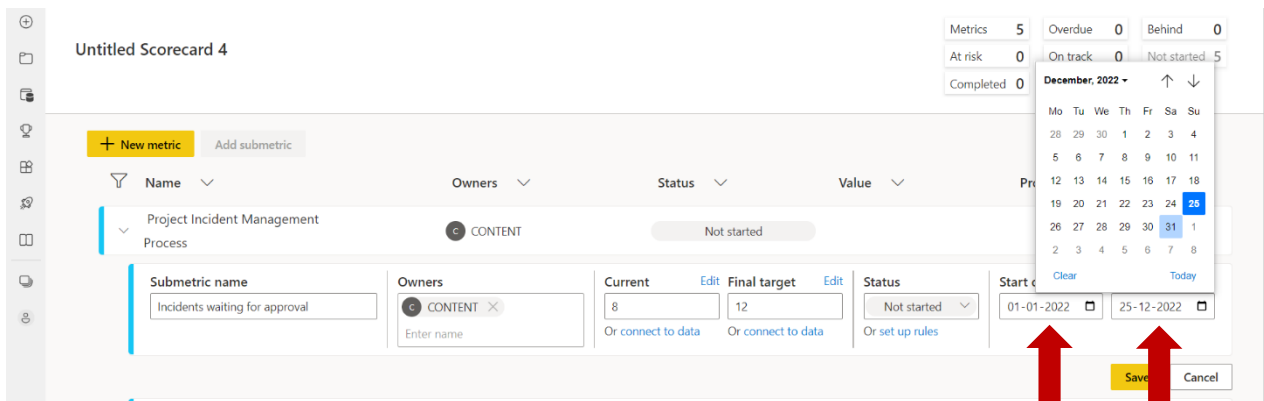
Current: 8

Final target: 12

Select start and end dates as the start of the year and end of the year, respectively

Step: Set **01-01-2022** as starting date and **25-12-2022** as the end date

Set up rules for status

- On track - If the value is less than or equal to 12
- At Risk - If the value is greater than 12
- Otherwise, on track

Step: Select **set up rules** under Status → **Status Rule** → **New Rules** → Create rules as per condition

Create rule 1: set **Is less than or equal to** as condition and set value as **12** and change status to **on track**

Create rule 2: set **Is greater than** and set value as **12** and change status to **at risk.**

Also, change **Otherwise, change status** to **on track** and **save.**

Go to the details tab and enter the following values for each month's check-in.

1. For 1st April, set the value as 15
2. For 1st May, set the value as 2
3. For 1st June, set the value as 5
4. For 1st July, set the value as 10

Step: Go to Detail → **New check-in** → Select date (1st day by default) → Enter the value as given with month → save (repeat this process for every month) → Close and Save your score card.

Task 3: Edit the second subgoal **Critical Backlog incident**

Provide the current value as 60 and give Target values of 100

Steps: Edit the second sub-goal **Critical Backlog incident** → set **current and final target** values as **60** and **100**

Select start and end dates as the start of year and end of the year, respectively

Steps: Set **Start** and **Due** dates as **01-01-2022** and **31-12-2022**

Set up rules for status

1. **On track - If the value is less than or equal to 80**
2. **At Risk - If the value is between 80 and 100**
3. **Overdue- If the value is greater than 100**

Steps: Select **set up rules** under Status → **Status Rule** → **New Rules** → Create rules as per the condition.

Create rule 1: set **Is less than or equal to** as condition and set value as **80** and change status to **on track**

Create rule 2: set **Is greater than** and set value as **80** and add a new condition by clicking on **Add condition** and set as **less than** then give value as 100. change status to **at risk.**

Create rule 2: set **Is greater than** and set value as 100 and change status to **Overdue.**

And save it in the end**.**
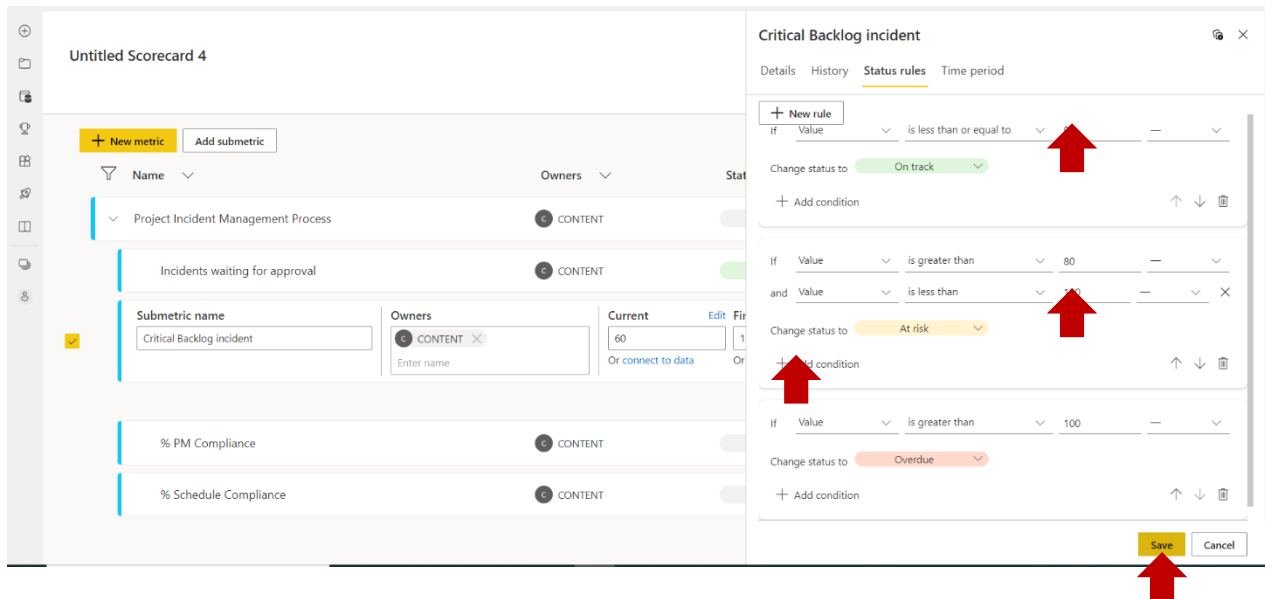
Go to the details tab and enter the following values for each month's check-in.

1. For 1st April, set the value as 100
2. For 1st May, set the value as 20
3. For 1st June, set the value as 120
4. For 1st July, set the value as 60
5. For 1st August, set the value as 60

Step: Go to Detail → **New check-in** → Select date (1st day by default) → Enter the value as given with month → save (repeat this process for every month) → Close and Save your score card.
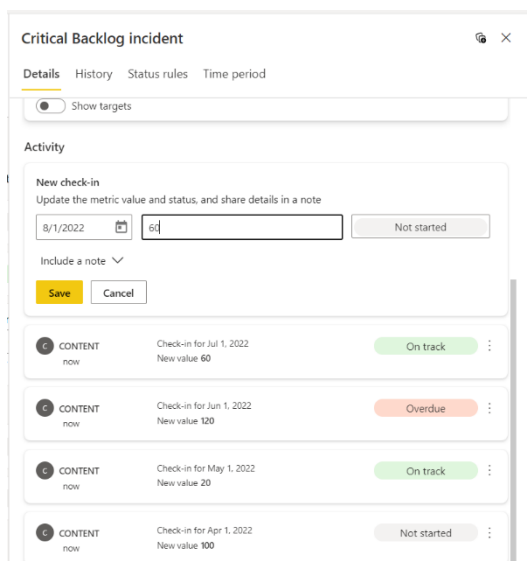
Task 4: Edit the third subgoal **% PM Compliance**

Provide Target values of 500.

Steps: Edit the second sub-goal **Schedule Compliance** → set **final target** values as **500**

Select start and end dates as the start of the year and end of the year, respectively

Steps: Set **Start** and **Due** dates as **01-01-2022** and **31-12-2022**

Set up rules for status

1. **On track - If the value is greater than 10 % of the target**
2. **At Risk -otherwise**

Steps: Select **set up rules** under Status → **Status Rule** → **New Rules** → Create rules as per the condition.

Create rule 1: set **Is less than or equal to** as condition and set value as **ten** and select **% of target** for value then change status to **on track**

And **otherwise, change status** to **At risk**. Save it in the end**.**

Go to the details tab and enter the following values for each month's check-in

1. For 1st April, set the value as 40
2. For 1st May, set the value as 20
3. For 1st June, set the value as 20
4. For 1st July, set the value as 40
5. For 1st August, set the value as 400

Step: Go to Detail → **New check-in** → Select date (1st day by default) → Enter the value as given with month → save (repeat this process for every month) → Close and Save your score card.

Task 5: Edit the third subgoal **% Schedule Compliance**

Provide Target values of 500.

Steps: Edit the second sub-goal **Schedule Compliance** → set **final target** values as **500**

Select start and end dates as the start of the year and end of the year, respectively

Steps: Set **Start** and **Due** dates as **01-01-2022** and **31-12-2022**

Set up a rule for status

1. **On track - If the value is greater than 80 % of the target**
2. **At Risk - otherwise**

Steps: Select **set up rules** under Status → **Status Rule** → **New Rules** → Create rules as per the condition.

Create rule 1: set **Is less than or equal to** as condition and set value as **80** and select **% of target** for value then change status to **on track**

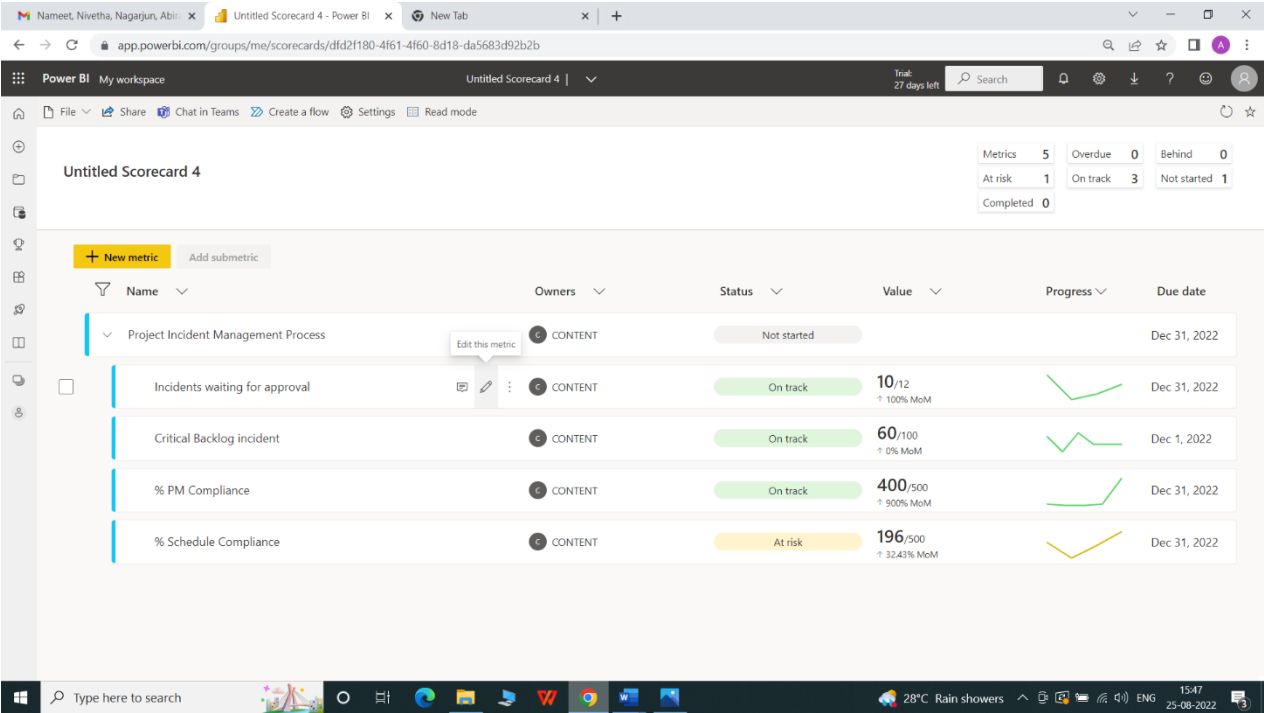And **otherwise, change status** to **At risk**. Save it in the end**.**

Go to the details tab and enter the following values for each month's check-in

1. For 1st April, set the value as 158
2. For 1st May, set the value as 103
3. For 1st June, set the value as 148
4. For 1st July, set the value as 196
5. For 1st August, set the value as 196

Step: Go to Detail → **New check-in** → Select date (1st day by default) → Enter the value as given with month → save (repeat this process for every month) → Close and Save your score card.

Final view