

OEE Studio

Tool Tip

How to calculate the cost of None

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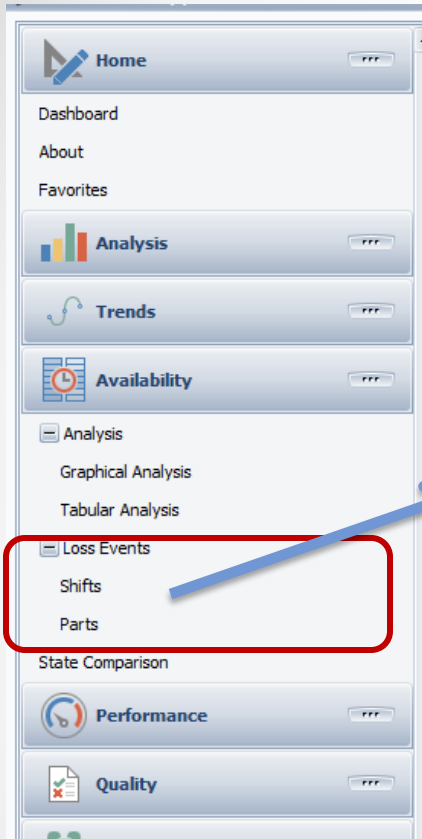
Tool Tip

How much are those 'NONE' events costing?

This **Tool Tip** will show you how to create a **Custom Field** to calculate the cost of 'None' (uncategorized downtime) or the cost of any type of downtime, setup or standby.

How much are those 'NONE' events costing?

In the **Availability – Loss Events** menu option you can select to find downtime reasons either by **Shift** or by **Parts**.



Availability Loss Events (Shift)

Hide Main Menu

Hierarchy
Location: Lebanon, CT

Date Range
From: 10/26/2015 6:00 AM
To: 11/9/2015 1:00 AM

Production Filters
Shift: [All Shifts]
Device: [All Devices]

Preset Dates
Choose Preset

Include
 Run Time
 Down Time
 Setup Time
 Standby Time

Apply / Refresh

<< Select to include Down Time only.
<< Click Apply/Refresh to display data.
[Visit our Pivot Grid Help Page to learn more](#)

Select multiple Duration or Reason Count values to chart information

Asset Enterprise Geographic Location Order Type OrderType PlanningPlant Plant Region Type

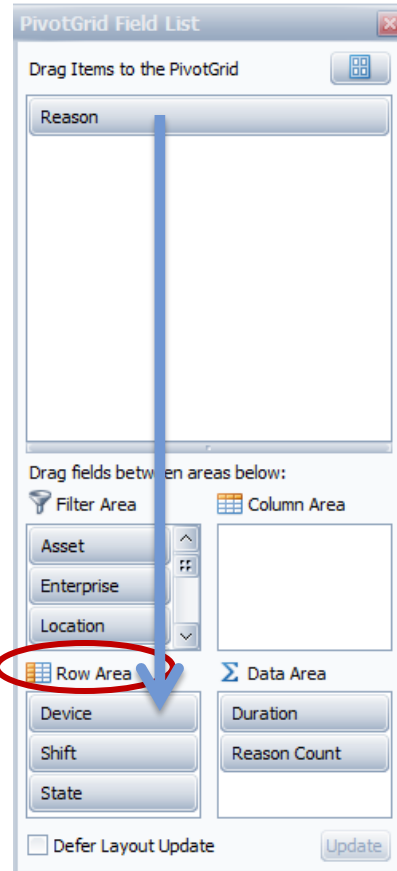
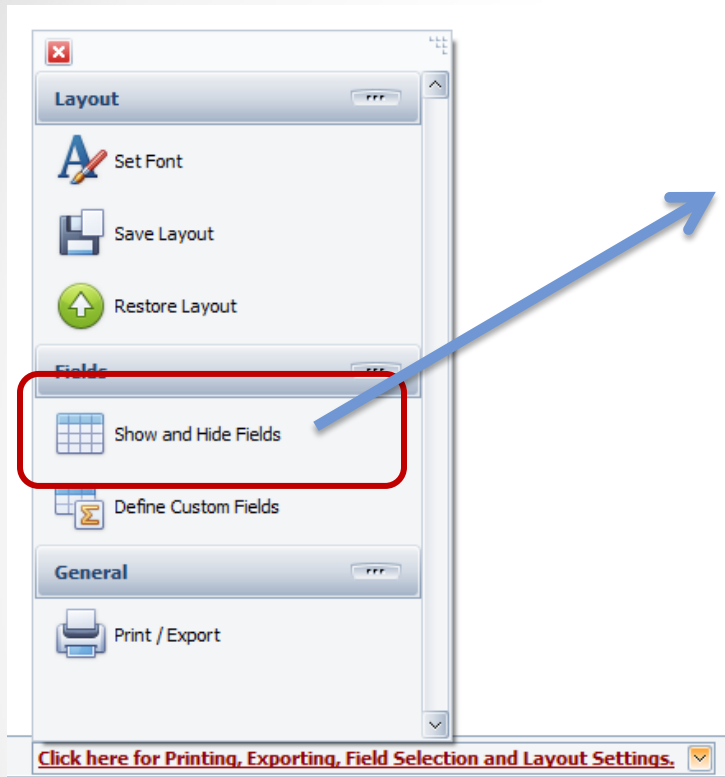
Duration Reason Count Drop Column Fields Here

Device	Shift	State	Duration	Reason Count
1004_VFL1	First Shift	Down	27h 17m 45s	111
	First Shift WE	Down	03h 09m 00s	24
	Gap Shift	Down	03h 30m 39s	1
	Second Shift	Down	33h 37m 04s	82
	Shift Undefined	Down	16h 34m 04s	7
1004_VFL1 Total			84h 08m 32s	225
1004_VFL2	First Shift	Down	10h 29m 59s	63

At the bottom of the screen Click the drop-down to select Reasons and Define Custom Fields>>

[Click here for Printing, Exporting, Field Selection and Layout Settings.](#)

Show the Reason field on the report.

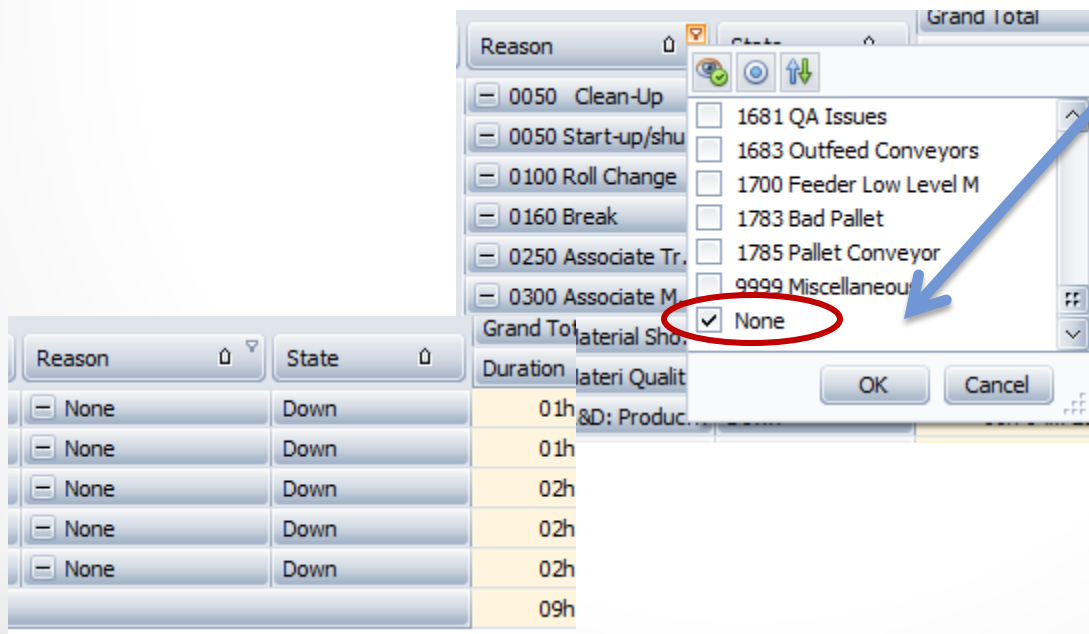
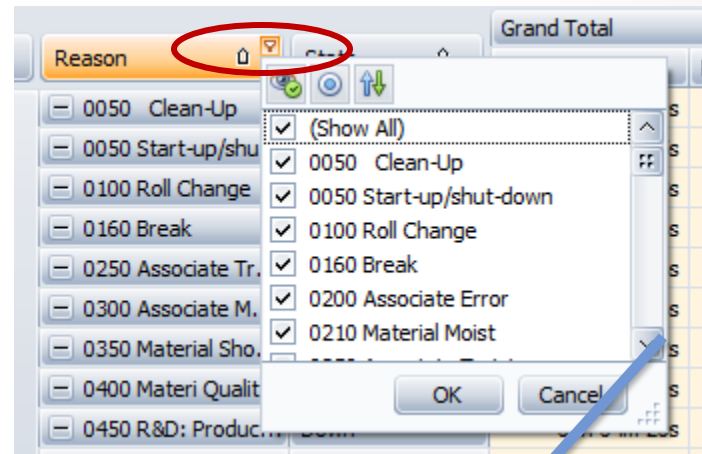


Drag the Reason Field down to the Row Area.

Optionally drag the Shift to the Items list to remove it from the report.

Filter the report to display only the NONE Reason.

1. Hover over the Reason column heading to display the Filter Funnel.
2. Click on the Funnel to display the list.
3. Uncheck the (Show All) selection and then scroll down to find the None reason.
4. Check the box next to the None reason and click the OK button.



Define the Custom Field

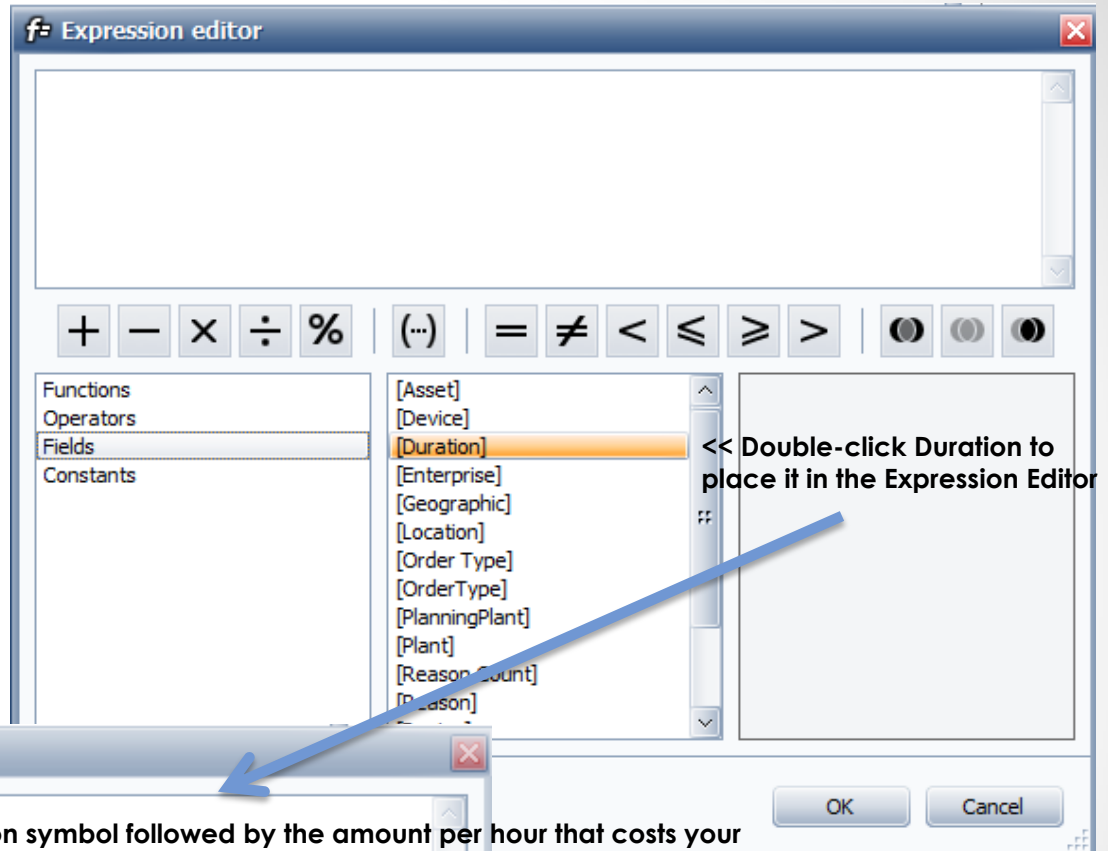
The image illustrates the steps to define a custom field in a software application. It consists of three main components:

- Layout Pane:** Located on the left, it contains various settings. The **Define Custom Fields** option is highlighted with a red box, and a blue arrow points from it to the 'New Custom Expression' dialog.
- New Custom Expression Dialog:** This dialog is used to configure the field's properties:
 - Field Description:** Set to "Cost of NONE" (circled in red).
 - Result Type:** Set to "Currency" (circled in red).
 - Summary Type:** Set to "Sum" (circled in red).
 - Options:** Includes checkboxes for "Append Summary Type to the Field Description" and "Hide Field".
 - Buttons:** "Cancel" and "Proceed to Expression Editor >>" are at the bottom.
- Expression Editor Dialog:** This dialog is used to define the field's calculation:
 - Functions:** A list of functions is shown, including "Abs()", "Acos()", "AddDays()", "AddHours()", "AddMilliseconds()", "AddMinutes()", "AddMonths()", "AddSeconds()", "AddTicks()", and "AddTimeSpan()".
 - Buttons:** "OK" and "Cancel" are at the bottom.

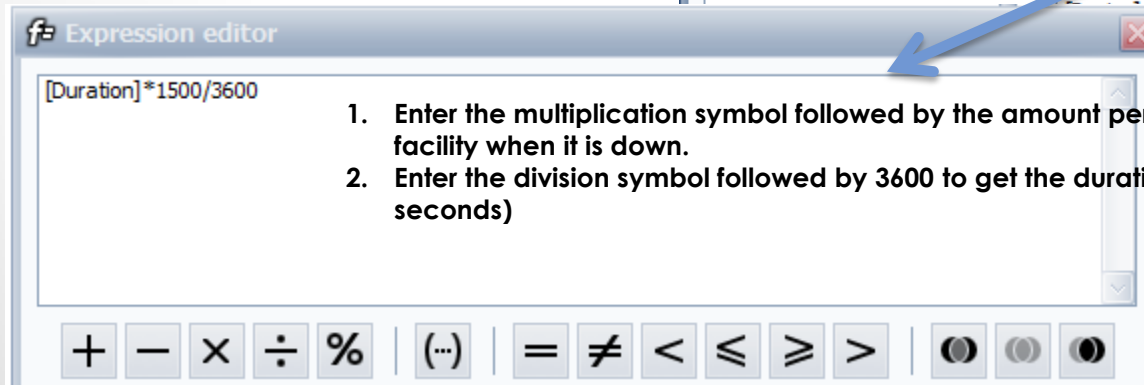
[Click here for Printing, Exporting, Field Selection and Layout Settings.](#)

Define the Calculation

Select Fields to display available data elements>>



The screenshot shows the 'Expression editor' window. On the left, there are tabs for 'Functions', 'Operators', 'Fields', and 'Constants'. The 'Fields' tab is active, displaying a list of data elements: [Asset], [Device], [Duration], [Enterprise], [Geographic], [Location], [Order Type], [OrderType], [PlanningPlant], [Plant], [Reason Count], and [Reason]. The [Duration] field is highlighted in orange. A blue arrow points from the [Duration] field to the main expression area on the right. A text annotation next to the arrow says '<< Double-click Duration to place it in the Expression Editor'. Below the list, there are 'OK' and 'Cancel' buttons.



The screenshot shows the 'Expression editor' window with the formula `[Duration]*1500/3600` entered in the main text area. Below the text area, there are 'OK' and 'Cancel' buttons.

1. Enter the multiplication symbol followed by the amount per hour that costs your facility when it is down.
2. Enter the division symbol followed by 3600 to get the duration in hours. (it is in seconds)

3. Click the OK button

View the Calculation

Duration Reason Count **Cost of NONE** Drop Column Fields Here

Device	Reason	State	Duration	Reason Count	Cost of NONE
1004_VFL1	None	Down	01h 04m 12s	22	\$1,601.00
1004_VFL2	None			24	\$2,628.00
1004_VFL3	None			32	\$3,046.00
1004_VFL4	None			27	\$3,731.00
1004_VFL5	None			26	\$3,758.00
Grand Total				131	\$14,764.00

PivotGrid Field List

Drag Items to the PivotGrid

Shift

Drag fields between areas below:

Filter Area Column Area

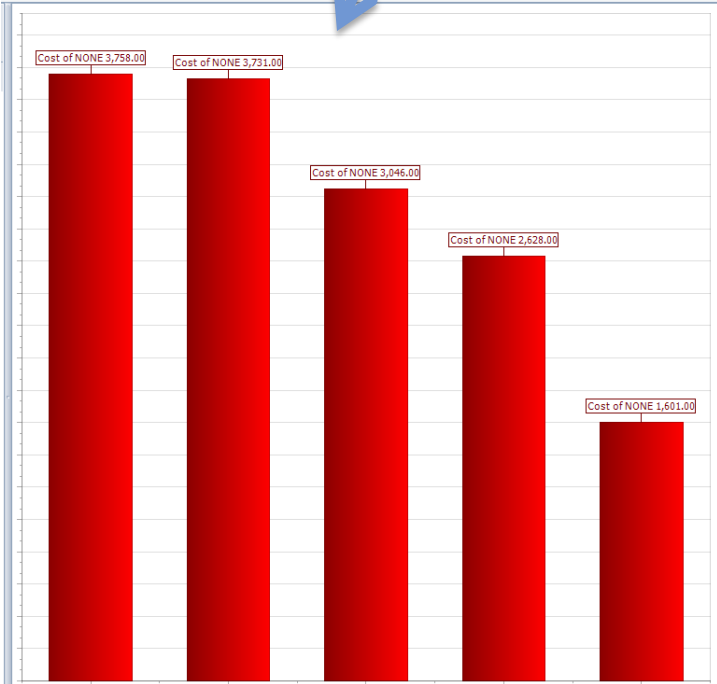
Location Order Type OrderType

Row Area Data Area

Device Reason State Duration Reason Count **Cost of NONE**

Defer Layout Update Update

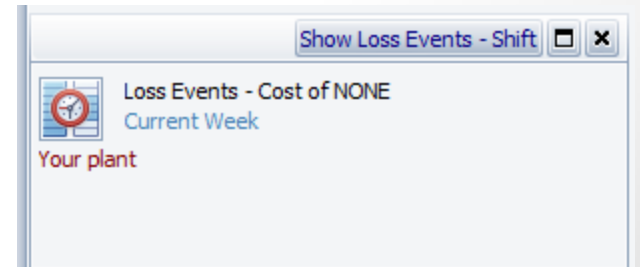
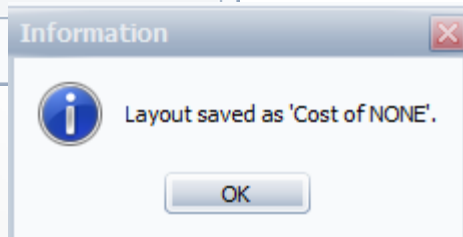
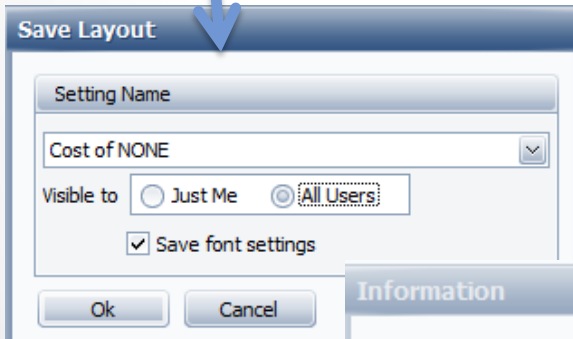
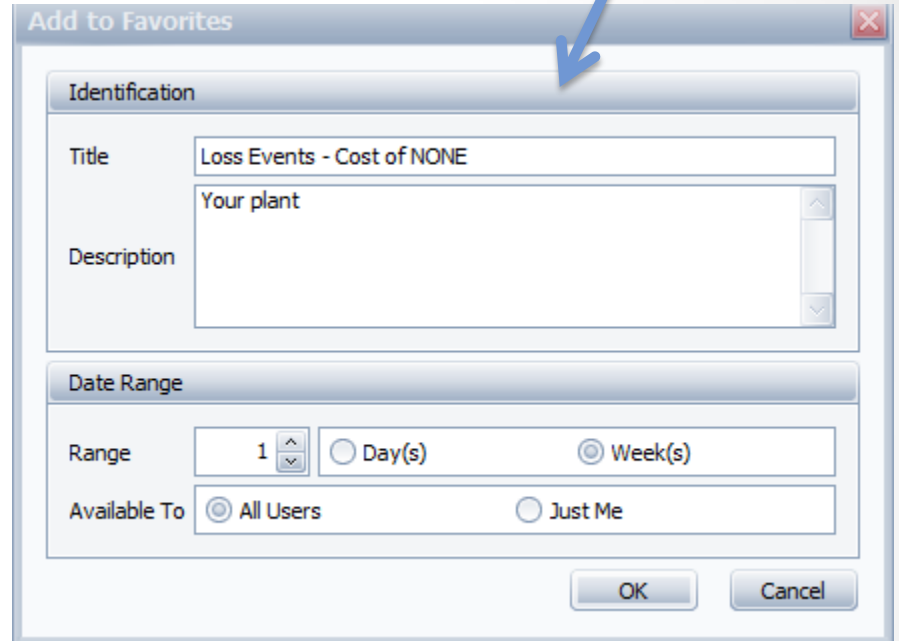
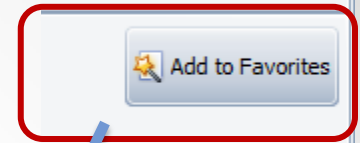
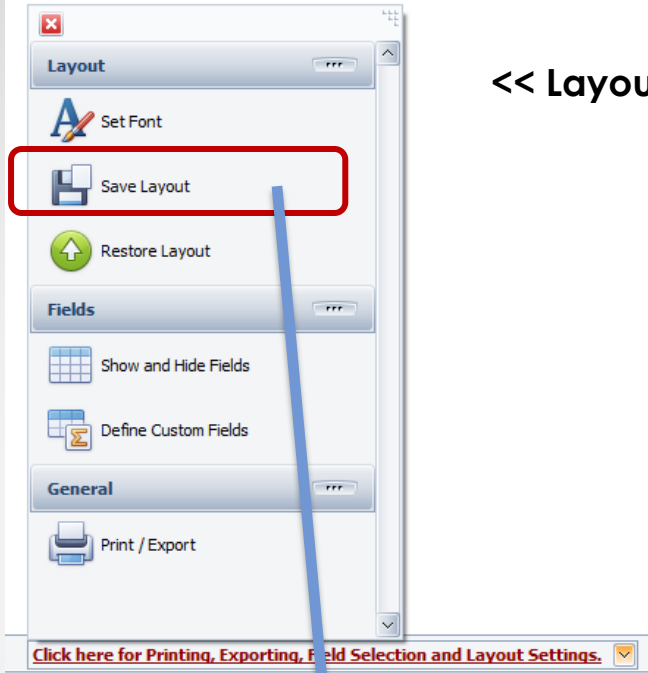
<< Click on the Column Heading 'Cost of NONE' to graphically display the data.



Your new Custom Field displays in the Data Area of the Pivot Grid >>

Save the Report

You can save the
<< Layout of the Report or save it as a Favorites >>



OEE Studio

Check out our website for other Tool Tips

www.ocestudio.com

OEE Studio supports all versions of Vorne XL device firmware.

Smart Installation

<http://ocestudio.com/installs/release/v3/setup/InstallOEEStudio.exe>

If you have questions or need assistance, please contact either

Debbie Olk (OEE Studio, OEE Alert or custom reports)

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or

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Contact Us

- As the Vorne Authorized Reporting Consultants, we provide customized reporting solutions, including working with data from your ERP/MRP systems.
- In addition to customized reporting, we provide support and customization for the **OEE Studio** reporting software (designed specifically for the data captured from the Vorne XL devices).
- We also provide sales, support and customization for OEE Alert. (www.OEEAlert.com)

OEE Studio, OEE Alert and XL Bolt-On Data Collector are part of the Marketing brand of

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