WS Date and Time

9.03 Convert time from milliseconds to days/hours/minutes/seconds.

Prerequisites

- Products: Liquid UI WS, Liquid UI Server, Client Software
- Commands: inputfield(), pushbutton(), set()

User Interface

//Create the file **SAPLSMTR_NAVIGATION.E0100.sjs** inside your scripts folder for customizing the SAP Easy Access screen
//Now, add the Liquid UI script to the above file, and save it.

Customization

1. Remove the image container from the SAP Easy Access screen with the **del()** function.

```
// Deletes the image container on the SAP screen
del("X[IMAGE_CONTAINER]");
```


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2. Add input fields labeled **Enter time in milliseconds** and **Milliseconds converted to** for value entry and display.

```
// Creates an input field to enter the time in milliseconds
inputfield([1,0], "
Enter time in milliseconds", [1,28], {
"size":10, "name":"z_milliseconds"});
// Creates an input field to display the value
inputfield([2,0], "
Milliseconds converted to ", [2,28], {
"size":10, "name":"z_converted_ms", "readonly":true});
```


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3. Add a push button labeled **Convert milliseconds** to execute the **convertmilliseconds** process on click.

```
// Creates a push button to execute the process
pushbutton([4,7],"
@01@Convert milliseconds", "?", {"
process":convertMilliseconds});
```

4. Add **timeConversion** function to convert milliseconds to seconds/minutes/hours/days based on input.

```
// Function to convert milliseconds to Days/Hours/Minutes/Second
s depending on the milliseconds value
```


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```
function timeConversion(millisec) {
    var seconds = (millisec / 1000).toFixed(2);
    var minutes = (millisec / (1000 * 60)).toFixed(2);
    var hours = (millisec / (1000 * 60 * 60)).toFixed(2);
    var days = (millisec / (1000 * 60 * 60 * 24)).toFixed(2);

    if (seconds < 60) {
        return seconds + " Sec";
    } else if (minutes < 60) {
        return minutes + " Min";
    } else if (hours < 24) {
        return hours + " Hrs";
    } else {
        return days + " Days"
    }
}

 function convertMilliseconds(){
    var res = timeConversion(z_milliseconds);
    set('V[z_converted_ms]','&V[res]');
    return;
}
```

SAP Process

Milliseconds to seconds conversion: Values under 60,000 milliseconds display in seconds.

1. Enter a millisecond value in the **Enter time in milliseconds** field, then click **Convert milliseconds** to view the converted seconds.

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Converting Milliseconds to Minutes:
If the user's input is between 60,000 and 3,600,000 milliseconds, the system will display the value in minutes.

Converting Milliseconds to Hours:
For values between 3,600,000 and 86,400,000 milliseconds (1 to 24 hours), the result displays in hours.

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Converting Milliseconds to Days:
If the input value surpasses 86,400,000 milliseconds, it will be presented in days.

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