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Question

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## How to use Regular expression to replace all ODBC datetime occurrences in a String to UTC datetime format?

Hi guys,

Suppose I have a JSON string as below:

```
{"MessageID":"11111","savedate1":"2022-02-02 01:01:34","SenderID1":"esb","sentdate2":"1985-12-11 11:42:00"}
```

The two date variables are all formatted as ODBC date time, when I tried to import it to a %JSON.Adapter object, the date format was rejected as below

Error #9406:Unexpected format for value of field, savedate1, using class base mapping

Thus I'm trying to format all possible ODBC date time in the incoming JSON with Regular expression:

```
ClassMethod DateTimeFormatter(input As %String) As %String
{
  Set strTgt = input
  set r = "([0-9]{4}-[0-9]{2}-[0-9]{2}) ([0-9]{2}:[0-9]{2}:[0-9]{2})"
  set m=##class(%Regex.Matcher).%New(r, strTgt)
  while m.Locate(){
    set strTgt = m.ReplaceFirst("$2T$3Z")
    set m=##class(%Regex.Matcher).%New(r, strTgt)
  }
  Quit strTgt
}
```

As can be seen, so far I initialized %Regex.Matcher many times to format each of the occurrences of the ODBC dates. I wonder how may I write the regular expression or alter the loop thus I can initiate %Regex.Matcher once and format all the occurrences?

Thanks.

[#InterSystems IRIS](#)

Product version: IRIS 2022.1

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Source

URL:<https://community.intersystems.com/post/how-use-regular-expression-replace-all-odbc-datetime-occurrences-string-utc-datetime-format>