Hi team,

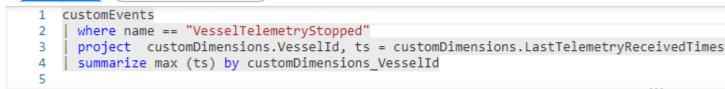
I'm having some issues with KQL queries where I want to retrieve the value of some custom dimension that I've logged in custom events. That custom dimension contains a datetime value, and I want to write a query which does something with that datetime (for instance, get the max datetime), so I want to retrieve it as a *datetime*.

However, when retrieving a custom dimension using KQL, the value of the custom dimension is returned as a *dynamic* data-type, so I want to convert it to a datetime, and that's where things become interesting.

Consider this dataset (which exists of only one row atm \bigcirc)

As you can see, I have a customDimension with the name 'LastTelemetryReceivedTimestamp' which contains a datetime.

However, when I want to get the customevent with the max LastTelemetryReceivedTimestamp per vesselld, like this:



I get this error:

max(): argument #1 expected to be one of next expressions (long, integer, double, datetime, timespan, decimal, strir If issue persists, please open a support ticket. Request id: 15415f78-9963-4de9-ab90-94a459108dbe We receive this error because the customDimension value is retrieved as *dynamic*. Fine you might think, just convert it explicitly to datetime like this:

4	and the set for a set	te								
1	customEven	15								
2	where na	me == "Ves	selTelem	etryS	Stopped"					
3						ions.Vessel	Id), ts	= todateti	me(custom)imen
4	summariz	e max(ts)	by vesse	līd						
5			·							
							_			
Ke	esults Cha	rt 🛛 🗖 🗖	Columns 🚿	/	Display ti	me (UTC+00:00	$n \sim 0$) Groui	o columns	
Ke	esults Cha	rt 🛛 🔲	Columns 丶	/	🕒 Display ti	me (UTC+00:00) ~ (Group	p columns	
		1		1)) \/ ((Group	p columns	
_		1		1	Display ti n time range.)) \/ (0	Group	p columns	
	npleted. Sho	wing results	from the c	1)) ~ ((Group) Group	p columns	
		wing results		1)) ~ (C	Group	p columns	
	npleted. Sho	wing results	from the c	1)) ~ ((Group	p columns	

But as you can see, now I receive 'null'. The todatetime function outputs null if it was not able to convert the given value to a datetime.

However, if I do this:

10 <mark>print</mark> todatetim 11	e("03/18/2021 08:29:04 +00:00")							
Results Chart	Columns \checkmark Display time (UTC+00:00							
Completed. Showing results from the custom time range.								
print_0 [UTC]	∇							
> 3/18/2021, 8:29:04.00	3/18/2021, 8:29:04.000 AM							

This just works.

Does anyone has a good idea about this, or knows how this can be solved ? How can I successfully convert a dynamic value to a datetime value ?