

Bootcamp – part 2

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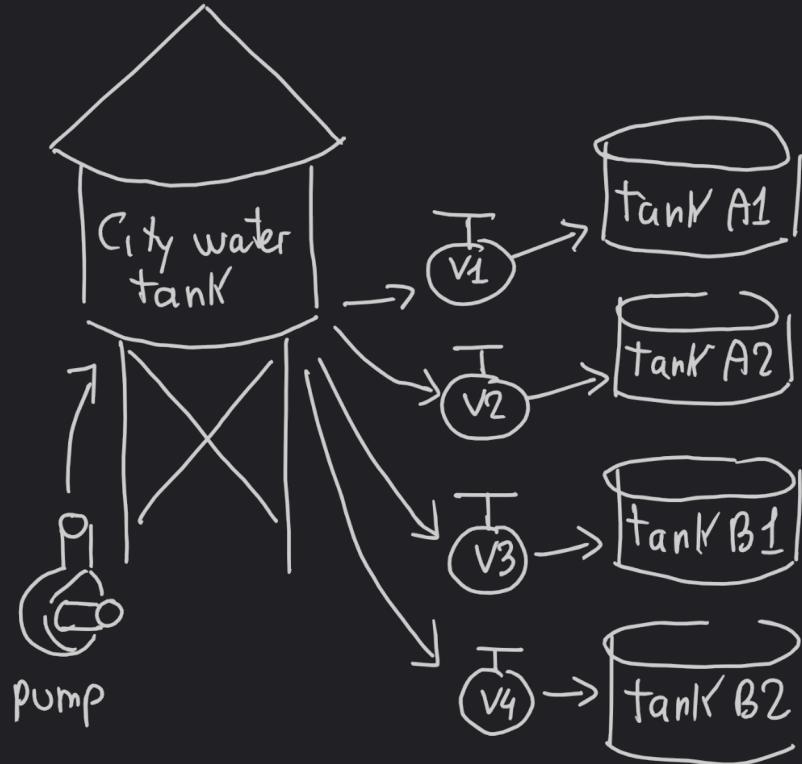
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Recall the Demo Scenario



Recall the Dashboard we demoed

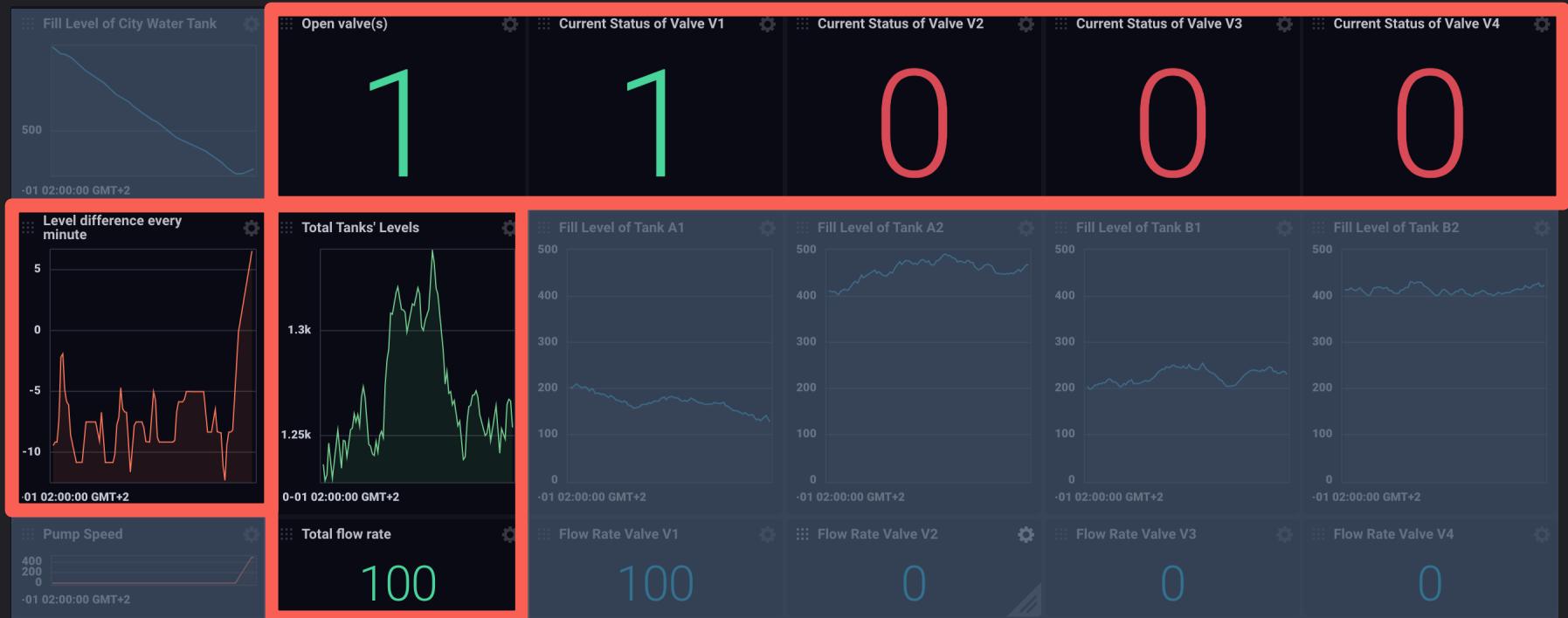


Let's go to the boot camp



BC2

It's again your turn!



Check out the new material we are sharing with you

Requirements

In the selected time range, display: The fill level of the city water tank Goals: range, filter	The number of open valve Goals: last HINT: group, sum	The most recent state of each valve. Use a green "1" to represent an open valve and a red "0" when is closed Goals: last, custom function
The difference between the average water levels in two consecutive windows of one minute. Goals: join, aggregateWindow, map HINT: timeShift	The sum of the level of the 4 Tanks A1, A2, B1 and B2 Goals: aggregateWindow, map, and pivot	The fill level of each tank down sampled to 1 min Goals: aggregateWindow
The speed of the pump that refills the city water tank Goals: range, filter	The total flow rate from Goals: last HINT: group, sum	The flow rate of each valve Goals: last

Test cases



WARNING: it's time to gain independence!

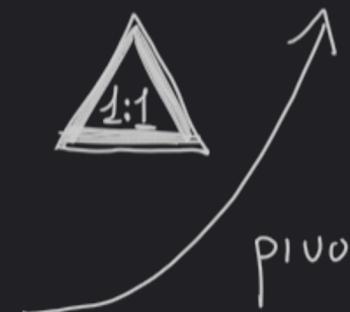


Pivoting narrow data in wide data!

<https://v2.docs.influxdata.com/v2.0/reference/flux/stdlib/built-in/transformations/pivot/>

<code>_time</code>	<code>_m</code>	<code>-f</code>	<code>_v</code>
10:01	□	○	42
10:02	☆	△	26

<code>_time</code>	<code>_m</code>	□	○	☆	△
10:01				42	
10:02				26	



pivot row key = `_time`
 column key = `- Field`
 value Column = `_value`



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