

## Zabbix trigger with Unix time

<https://www.zabbix.com/documentation/3.4/manual/appendix/triggers/functions>

fuzzytime (sec)		
<p>Checking how much an item timestamp value differs from the Zabbix server time.</p>	<p><b>sec</b> - seconds</p>	<p>Supported value types: float, int</p> <p>Returns: 0 - if difference between item timestamp value and Zabbix server timestamp is over T seconds 1 - otherwise.</p> <p>Usually used with system.localtime to check that local time is in sync with local time of Zabbix server. Can be used also with vfs.file.time[/path/file,modify] key to check that file didn't get updates for long time.</p> <p>Example: ⇒ fuzzytime(60)=0 → detect a problem if time difference is over 60 seconds</p>

Realtime, sent data with Python.

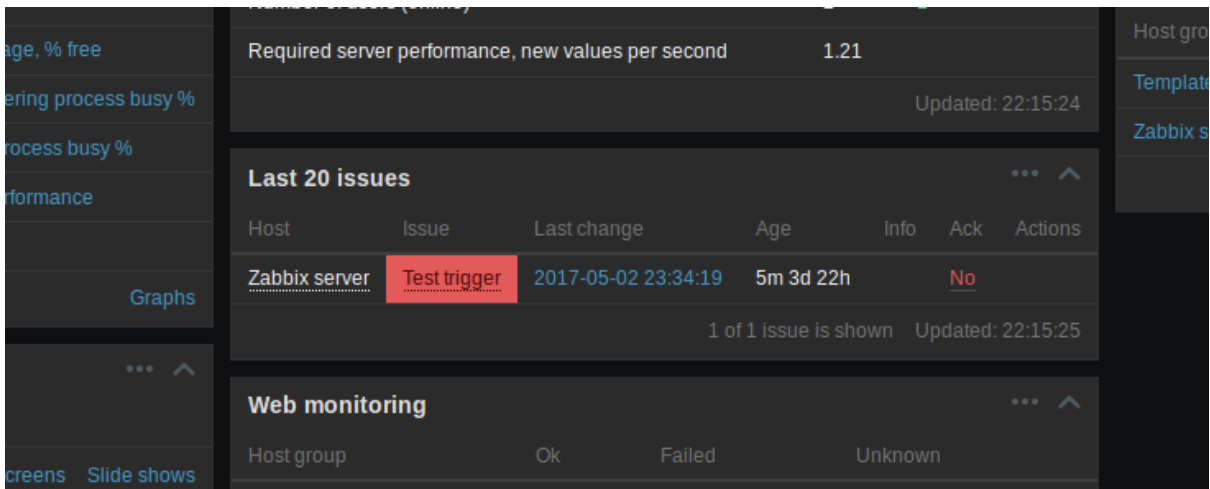
Unix\_time is the unix time and py\_time is the "Readable" converted unixtime.

Here the last value is the same as py\_time.

Name	Last check	Last value	Change
-other- (6 items)			
unix_time	2017-10-03 22:14:26	1507061666	+34
tag_status	2017-10-03 21:51:20	fail	
tag3	2017-10-03 21:51:20	3000	
tag2	2017-10-03 21:51:20	5000	
tag1	2017-10-03 21:51:20	3000	
py_time	2017-10-03 22:14:26	2017-10-03 22:14:26.201161	

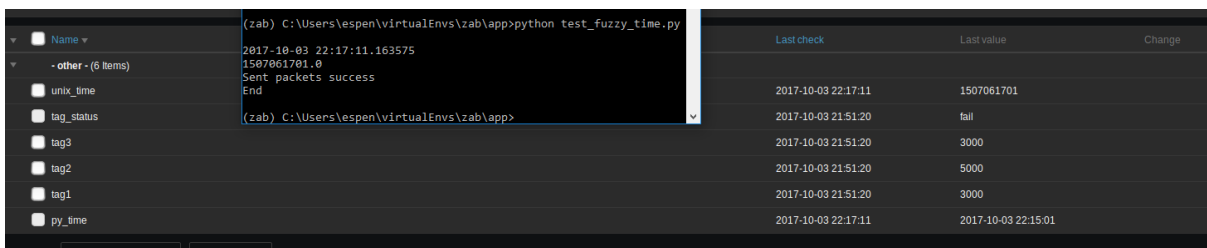
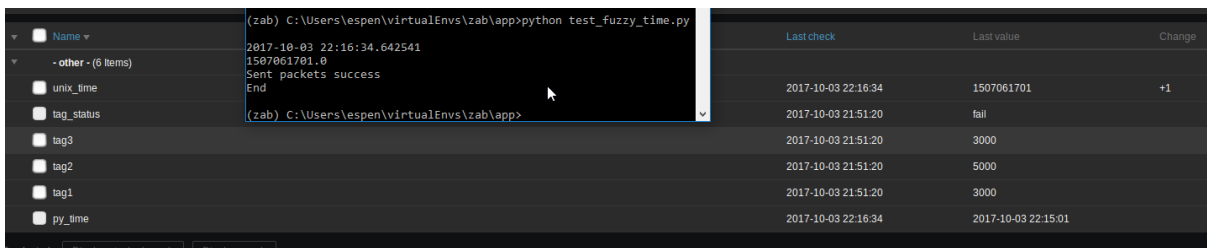
Name	Last check	Last value	Change
-other- (6 items)			
unix_time	2017-10-03 22:15:00	1507061700	+34
tag_status	2017-10-03 21:51:20	fail	
tag3	2017-10-03 21:51:20	3000	
tag2	2017-10-03 21:51:20	5000	
tag1	2017-10-03 21:51:20	3000	
py_time	2017-10-03 22:15:00	2017-10-03 22:15:00.656732	

Dashboard, has no alarm for the Unix late data trigger

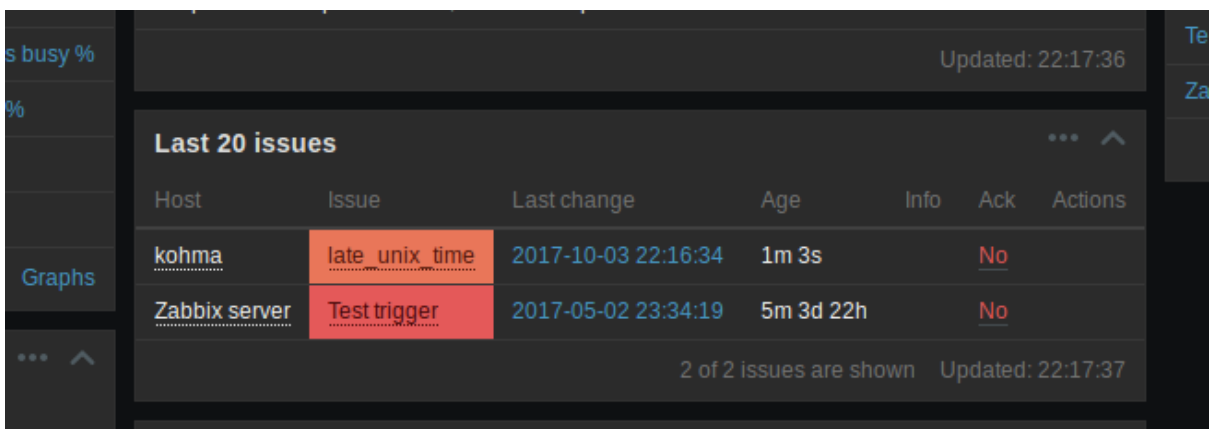


Now sent data with old time, to breach the alarm

Here the last value is later then the py\_time.



Dashboard, with alarm



Trigger

Apply

Severity	Name ▲	Expression
High	late_unix_time	{kohma:unix_time.fuzzytime(60)}=0
High	test_nodata	{kohma:tag3.nodata(1m)}=1