

When the Interactive Chart is filtered by Host, Average Response Time changes significantly

Information:

Environment
<ul style="list-style-type: none">• Dynatrace Portal - Interactive Chart

Symptoms
When I filter by Hosts in the Interactive Chart, the Average Response Time changes much more than I expected.

Root Cause
<p>Different calculation methods are used in regular charting vs. filtered charting.</p> <p>When the Host filter is applied, the response time of failed tests is factored in the average, so the average response time in a filtered chart may be different than in the unfiltered chart.</p> <p>For example:</p> <p>There are two test runs:</p> <ul style="list-style-type: none">• One run is successful with a response time of 5 seconds.• The other run failed with a timeout error; the response time is 30 seconds. <p>In an unfiltered chart, the average response time is 5 seconds, because the failed test run is not included.</p> <p>When the Host filter is applied, the failed test run is counted, so the average response time is $(5+30)/2=17.5$ seconds.</p>