

# How the Difference in a Response Time Alert is calculated

## Information:

Environment
<ul style="list-style-type: none"><li>• Dynatrace Portal</li></ul>
Symptoms
How does the GPN calculate values in the Difference column in Response Time Alerts?
Solution
<p>When a Response Time Alert is configured with Dynamic thresholds, the <b>Difference</b> column of the <b>Alert Details</b> is the difference between the Initial Test (sec) and the Historical Average (sec).</p> <p>When the test threshold warning and severe levels are set in seconds, the Difference column is displayed in seconds. The following formula is used to determine the Difference; x is the Initial Test (sec) time and y is the Historical Average (sec) time.</p> $y - x$ <p>When the test threshold warning and severe levels are set as a percentage, the difference column is displayed as a percentage. The following formula is used to determine the Difference; x is the Initial Test (sec) time and y is the Historical Average (sec) time.</p> $((x - y) / y) * 100$ <p>For more information about using the Alert Log, see <a href="#">Alert Details</a> in the documentation.</p>