

# How First Byte Time is calculated

## Information:

Environment
<ul style="list-style-type: none"><li>• Dynatrace Portal</li><li>• Synthetic Monitoring Mobile</li><li>• Synthetic Monitoring Backbone</li><li>• Synthetic Monitoring Last Mile</li><li>• Synthetic Monitoring Private Last Mile</li></ul>

Solution
<p>The First Byte Time is the time that elapses between these two actions:</p> <ul style="list-style-type: none"><li>• HTTP request from the agent is received by the destination server that will provide the page's content.</li><li>• The first packet for the content is received.</li></ul>

Root Cause
<p>A high First Byte Time could be caused by a number of issues with the application's network, including:</p> <ul style="list-style-type: none"><li>• Overloaded web servers</li><li>• The load balancing scheme</li><li>• Database connection issues</li></ul>