

SOLARWINDS TECHNICAL REFERENCE

APM Internet Information Service Template Pack

This document describes the template included in the APM Internet Information Service (IIS) Template Pack.

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Internet Information Service (IIS) Services and Counters

This template assesses the status and overall performance of a Microsoft Internet Information Services (IIS) server. The critical threshold values for the performance counters are those recommended by Microsoft.

Prerequisites: WMI access to the target server.

Credentials: Windows Administrator on the target server.

This template is based on the following information:

- <http://www.microsoft.com/technet/prodtechnol/WindowsServer2003/Library/IIS/3ffd9ede-2bc8-4bd8-871e-9d937f25d6c9.mspx?mfr=true>
- <http://www.tech-faq.com/iis-performance-monitoring-and-tuning.html>

Monitored Components

Note: You need to set thresholds for counters according to your environment. It is recommended to monitor counters for some period of time to understand potential value ranges and then set the thresholds accordingly.

Service: World Wide Web Publishing

Provides Web connectivity and administration through the Internet Information Services Manager.

HTTP Port Monitor

Check the availability of standard http port (default is port 80).

Note: You need change the port value if you are using another port.

URI Cache Flushes Counter

The number of URI cache flushes that have occurred since the server started.

URI Cache Hits Counter

The number of successful lookups in the URI cache.

URI Cache Hits Percent Counter

The ratio of URI Cache Hits to the total number of cache requests.

URI Cache Misses Counter

The number of unsuccessful lookups in the URI cache.

Web service: Bytes Received/sec Counter

Rate at which data bytes are received by the WWW service, per second.

Note: If World Wide Web Publishing Service is stopped, ignore this counter.

Web service: Bytes Sent/sec Counter

Rate that data bytes are sent by the WWW service, per second.

Note: If World Wide Web Publishing Service is stopped, ignore this counter.

Web service: Bytes Total/sec Counter

Sum of bytes sent/sec and bytes received/sec.

Note: If World Wide Web Publishing Service is stopped, ignore this counter.

Web service: Connection Attempts/sec Counter

Rate of attempted connections to the WWW service since service startup, per second.

Note: If World Wide Web Publishing Service is stopped, ignore this counter.

Web service: Current Connections Counter

Current number of active connections to the WWW service.

Note: If World Wide Web Publishing Service is stopped, ignore this counter.

Web service: Get Requests/sec Counter

Rate at which HTTP requests using the GET method are made to the WWW service, per second.

Note: If World Wide Web Publishing Service is stopped, ignore this counter.

System: System Calls/sec

This counter is a measure of the number of calls made to the system components, Kernel mode services. This is a measure of how busy the system is taking care of applications and services.

As low as possible.

Note: For information about setting the counter as low as possible, see the following KB article "Using the Orion APM MIN/MAX Average Statistic Data historical charts for creating threshold settings based on 95th percentile line" at: <http://knowledgebase.solarwinds.com/kb/questions/2415>.