
Apache Monitoring PowerPack Guide

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Introduction

What does the PowerPack Monitor?

This PowerPack provides monitoring for Apache Web Server configuration and performance metrics. The PowerPack uses the built-in status page of Apache Server by connecting to http://<ip_address>:<port_number>/server-status and pulls back the necessary metrics.

It includes:

- The ability to monitor the time of server was started/restarted and the time it has been running for.
 - The ability to monitor for the number of workers serving requests, number of idle workers, the number of requests that worker has performed and the total number of bytes served by the worker.
 - Averages giving the number of requests per second, the number of bytes served per second and the average number of bytes per request.
 - CPU Load
-

Supported Apache Versions & Operating Systems

The powerpack is not dependent on any operating system since it connects to the server-status page.

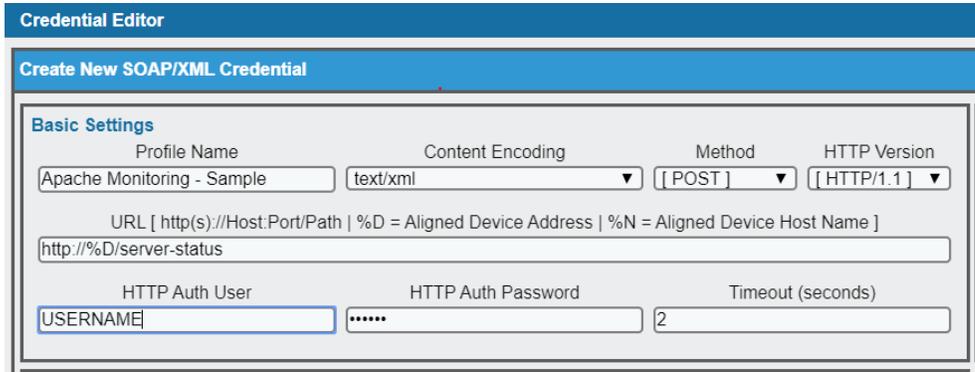
This version of the PowerPack has been certified with Apache Version 2.4.6 and 2.4.7 but it is expected to run on other versions as well.

Prerequisites

- IP address of the server where Apache is running.
- Port on which Apache is running.
- Your username/password for the Apache Server server-status page (if protected).

Creating Credentials

- If your server status page is restricted, then create a new “Soap/XML” type of credentials



The screenshot shows the 'Credential Editor' window with the title 'Create New SOAP/XML Credential'. Under the 'Basic Settings' section, the following fields are visible:

- Profile Name: Apache Monitoring - Sample
- Content Encoding: text/xml
- Method: [POST]
- HTTP Version: [HTTP/1.1]
- URL: http://%D/server-status
- HTTP Auth User: USERNAME
- HTTP Auth Password: *****
- Timeout (seconds): 2

- If your server-status page does not need a credential, just create a dummy credential as shown in the snapshot.
- If you are running Apache on a custom port, ensure that the URL has the port number listed, for example, http://%D:9090/server-status

Collected Metrics

The following metrics are collected

Metric/Check
Build Date, Version
Busy, Idle Workers
Bytes/sec, Requests/sec
CPU Load & Usage
Restart Time, Uptime
Server Load
Total Accesses, Kbytes

**This version of the pack does not include any Event Policies.*

Onboarding Suggestions

How to verify if Apache is configured for monitoring?

- Ensure TCP port is open from SL1 Collector to the Apache Server.
 - Execute the nmap command from collector to the Apache machine.
`nmap -sS <apache_ip_address> -p <port number>`
- If you are able to load the server-status http://<ip_address>:<port_number>/server-status, then your apache server is configured correctly to return the necessary metrics.

