

# SOLR Monitoring FastPack

## Overview



The dynaTrace FastPack for the SOLR enables easy out-of-the-box monitoring for applications using the SOLR Search Engine. The FastPack consists predefined JMX Measures for SOLR, Sensors for SOLR Server and SOLR Clients, Business Transactions a Template Profile and Dashboards.

## Fast Pack Details

<b>Name</b>	<b>SOLR Monitoring FastPack</b>
<b>Version</b>	2.0.0
<b>dynaTrace Version</b>	4, 4.1 6.x
<b>Author</b>	Keith Marshall
<b>License</b>	<a href="#">dynaTrace BSD</a>
<b>Support</b>	<a href="#">Community Supported</a> For questions: <ul style="list-style-type: none"><li>• <a href="#">Comment on this page</a></li><li>• <a href="#">Use the Forum AppMon &amp; UEM Open Q&amp;A</a></li></ul>
<b>FastPack Contents</b>	<a href="#">SOLR Fastpack for dynaTrace &gt;= 6.x</a> <a href="#">SOLR Fastpack for dynaTrace &gt;= 4.x</a>

## SOLR Environmental Monitor



This dashboard looks at the environmental factors related to the SOLR application server. CPU Load is observed with heap and non-heap memory usage. Web request time and counts are included with a failed transaction traffic light alert. This alert may be adjusted to the % preferred. Class and Thread data are also included.

## SOLR Web Requests



The SOLR Web Requests Dashboard provides a Business Transaction like view of all the /SOLR requests. Easy drill down to the transaction details from here. To provide a more detailed operational view we have included charting for all web requests, /SEARCH and /UPDATE specific SOLR web requests. To round out this view the Processor, Free/Committed memory, and Disk Read/Writes are also charted here.

## FastPack Information

The Fastpack contains a Dashboard and a Template System Profile. In addition it contains the two dashboards described above. The System Profile already contains an Agent Group for SOLR, just add the dynaTrace agent to your JVM\_OPTS when starting SOLR (use name=SOLR). This agent group contains some minor modifications to allow optimal monitoring of SOLR.

## Installation

Just download and import the FastPack on your Dynatrace Server (see [Plugin Management](#))

If you start with a fresh system simply copy the provided System profile (to give it an application specific name) and add agent groups for your own application. If you want to use Cassandra in an existing System profile please copy the following items to your system profile.

- SOLR Business Transactions
- the SOLR Agent Group cannot be copied please do the following
  - Create a separate agent group for SOLR

## Contribution

Feel free to contribute any changes on [Github](#)