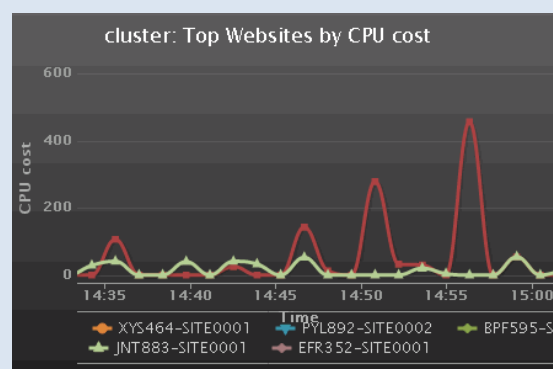


Getting a handle on production performance is tough.

Traffic patterns change, builds cause untracked regressions, and seemingly unexplainable problems arise that developers cannot reproduce.

We built Sentinel to help us take back control.

LeanServer



Sentinel is a production monitoring tool that correlates hundreds of metrics to provide a **very detailed, very natural, fully historical view** of your Windows Server application's performance.

Sentinel can help you answer the following questions:

What is the current traffic to my server, website, and application? Sentinel captures detailed traffic data like RPS, active users, current connections, and more.

What is the RAM, Disk IO, and CPU consumption of my website? Sentinel correlates resource consumption with the relevant objects like the website, application, service, and so on. This way you know where to look for the problem.

What is the average CPU usage of my website across the entire cluster? You easily look at data from specific servers, or aggregate their values across the entire server cluster or any other grouping.

What is causing the high CPU usage of my website? Sentinel lets you collect hundreds of detailed metrics that can help developers precisely diagnose why problems occur, such as inspecting the CLR Garbage Collector memory statistics. Even better, Sentinel can often automatically highlight the root causes through correlation.

What are the top websites by RPS, top servers by CPU, top services by RAM used? Sentinel API lets you slice and dice the data in any way you want.

API Example:

```
//  
// Website RPS by server  
//  
var websiteRpsByServer =  
    // Get website  
    cluster.GetWebSite( "MySite" )  
    // All web site instances  
    .Instances  
    // Get website RPS  
    .Select(  
        s => s.GetIndicator( "RPS" )  
    )  
    .OrderByDescending( i => i.Avg )  
    .Take(20);
```

FEATURES

- **Lightweight data collection.** Negligible overhead on the servers being monitored, and no agents to install.
- **Extremely detailed.** Hundreds of metrics from dozens of objects, collected as often as every few seconds!
- **Natural data model.** Forget PerfMon. Report the data the way you think about your application – servers, sites, apps, services, etc.
- **Say goodbye to No Repro.** All data is available over time. Look at it at any resolution – weekly, daily, hourly, even seconds!
- **Powerful API.** Report, slice, and dice the data with a super-easy LINQ API. Build custom reporting, integrate into management tasks, or build analytical intelligence.
- **Highly extensible.** Sentinel data collection is highly extensible – making it easy to monitor more objects types.