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Microservice performance Monitoring (Datadog or AppDynamics)

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# Why and What?

You got a project, and you got all sort of plans, design is ready, development has already begun, and developers started asking for environment to deploy their first draft version, but hang on, let’s take a step back, when you talk about an environment, what does it mean? As an SRE you cannot just deliver a box with JRE and a webserver installed to run application, you need to follow a consistent guideline (We call it SRE handbook) to provide an environment where not only your application is going to run, it’s going to stay there happily, and you can keep a keen eye all the time, to check if it is doing ok, that’s where APM (Application performance Monitoring) comes in the play.

In Today’s world of complex applications, you need a helping hand of various tools to provide a very observant eye for your application, either you can develop of your own like Netflix, Google or you can rely on tools which are available in market. But again, are you sure what you looking for? Means before searching on google best tool for monitoring and buy an enterprise version, you may want to consider few things before hand,

* Is software/tool in subject is going to provide you an edge on both kind of aspect of monitoring, infrastructure and application. (I am considering database also an application only)
* is it database you are monitoring, or is it a web application exposed to outer world.
* What is the kind the application we are talking about here, is it a monolithic application or a very small microservice deployed in a multitenant container-based solution?

## Why we are discussing only Datadog and AppDynamics here

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