Server: Automation, Docker Management Tool, and Configuration Management Tools

By Roy Schestowitz
Created 27/03/2020 - 2:20am
Submitted by Roy Schestowitz on Friday 27th of March 2020 02:20:45 AM Filed under Server [1]

- IT Automation Tools Are No Longer Enough [2]

It shouldn’t come as a surprise to anyone reading this that IT automation is a must-have for organizations today. With infrastructure spread across on-premises data centers, multiple clouds and a multitude of technologies, the complexity of IT long ago outgrew manual management. Automation is the only way to keep pace with constantly changing environments that need enhanced security, greater compliance and be easily adaptable to changing business and market conditions.

Because of these needs, the market has been relatively quick to adapt and embrace automation technology. According to a recent study by Forrester Research, 56% of global infrastructure technology decision makers have implemented/are implementing or are expanding/upgrading their implementation of automation software. Many of these IT organizations have a trusted tool in place and have been automating scripts and tasks for years.

Along with outgrowing managing infrastructure by hand, the industry is also quickly outgrowing automation tools. The automation market has now reached a point of maturity where an automation tool alone is not enough. In order for automation to continue to have an impact on an organization and keep pace with the speed IT changes, organizations need a platform that allows them to create a culture of automation.

- A Look at Lazydocker, a Cursor-Based Docker Management Tool [3]

For anyone who manages docker containers, having the right tools can really make an admin session all the better. On the other hand, not having the right tools can transform your day into an exercise in frustration.
With docker, if you’re comfortable with the command line, you probably feel like you have everything you need to get the most out of those containers. But then you see one of the many GUIs available and wish you had more, but without having to go the full-on graphical route. Say, for example, your docker containers are managed from a headless Linux server, and you don’t want to have to install a web-based GUI to get more information and easier management of those deployed containers.

What do you do? What tool exists in the realm between console and GUI?

**Top 7 Configuration Management Tools** [4]

A common trait across both virtual infrastructure as well as software is that there are always configuration options. In an increasingly distributed IT landscape with deployments that can be short lived, in the data center or in the cloud, there is a real need to manage configurations at scale.

Configuration management software is a broad category of tools and services that enable administrators to manage configuration at scale in a policy driven, repeatable and automated approach. Key factors like infrastructure monitoring come into play.

Software Configuration Management (SCM) was originally a category of software specifically about application and server software. In recent years, configuration management has evolved to become even more expansive. With infrastructure increasingly used as a virtual service in the cloud and on-premises, there has been a movement to define infrastructure-as-code, which is a place where configuration management tooling is played a starring role.

**Source URL:** [http://www.tuxmachines.org/node/135679](http://www.tuxmachines.org/node/135679)

**Links:**