

Accepted Manuscript

Container-based Virtual Elastic Clusters

Carlos de Alfonso, Amanda Calatrava, Germán Moltó

PII: S0164-1212(17)30014-6
DOI: [10.1016/j.jss.2017.01.007](https://doi.org/10.1016/j.jss.2017.01.007)
Reference: JSS 9910

To appear in: *The Journal of Systems & Software*

Received date: 6 July 2016
Revised date: 12 December 2016
Accepted date: 18 January 2017



Please cite this article as: Carlos de Alfonso, Amanda Calatrava, Germán Moltó, Container-based Virtual Elastic Clusters, *The Journal of Systems & Software* (2017), doi: [10.1016/j.jss.2017.01.007](https://doi.org/10.1016/j.jss.2017.01.007)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- EC4Docker create virtual clusters made of containers instead of virtual machines
- EC4Docker creates self managed elastic clusters that adapt its size to the workload
- The elasticity is enhanced because containers boot faster than virtual machines
- Using tools like Docker swarm enables to span the containers across a set of hosts

Download English Version:

<https://daneshyari.com/en/article/4956448>

Download Persian Version:

<https://daneshyari.com/article/4956448>

[Daneshyari.com](https://daneshyari.com)