

Reviewer Report

Title: "GUIDOCK-VNC: Using a graphical desktop sharing system to provide a browser-based interface for containerized software"

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Reviewer name: Mark Fernandes

Reviewer Comments to Author:

Very interesting paper that identifies a niche in Docker container-based applications and builds upon earlier efforts.

The manuscript successfully addresses issues such as effects upon execution speed, Ability to deploy to Cloud with

authentication and software environment requirements (i.e. upon Windows & MacOS).

I particularly approved of the choice of application for the use case. Cytoscape can be a very resource-hungry

application and clearly could benefit from deployment to the Cloud for execution as the client does not then

require those hardware resources (especially for occasional use). This 'lowers the bar' to researchers seeking

to reproduce published research.

Given the aim of making this tool available - was there an issue with MS Internet Explorer (I note that Edge's

HTML5 support is mentioned but is then not listed in browsers supported under Availability and requirements)

The supplemental video demonstrating Cloud deployment is welcomed (I note a minor typo which should have been

Demonstration in the legend). It would be nice to have had videos of the use case being deployed to the other

cloud environments (Azure & AWS for example were mentioned as having been tested).

I found your paper very readable and I think that it will be understandable by readers from a wide range of

levels of experience in this field.

I have visited the projects GitHub and look forward to evaluating this project for use in bespoke Bioinformatics training environments.

Level of Interest

Please indicate how interesting you found the manuscript: An article of importance in its field

Quality of Written English

Please indicate the quality of language in the manuscript: Acceptable

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