

### **W10**

Performance Testing Wednesday, October 23rd, 2019 1:30 PM

# Performance Testing in a Containerized World

Presented by:

## Valentin Guerlesquin

**National Bank of Canada** 

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# **Valentin Guerlesquin**

Valentin Guerlesquin is the director of test automation and performance testing at National Bank. He has been a software testing professional for more than ten years. Valentin has worked in several roles, including test environment management, manual functional testing, mobile, and testing process improvement. He is an ISTQB full advanced and TMMi-certified professional. He has trained dozens of his peers in several organizations, from telecom to the aerospace industry to finance.



# Who Am I? [-V-@starcanada:~ valentin]\$ uname -a Valentin GUERLESQUIN@bnc.ca 1983 French Kernel Version 7.28/Release\_1; root:fra-bzh home:yul module:IT-addict module:AVGeek module:PPL-SEP module:ISTQB-FullAdvanced module:catLover module:cook module:TMMi\_Certified-Professional module:Smalltalk-80 Performance Testing in a Containerized World

### When we did it



2016 - Complete refactor of transactional website

From daddy's tech (Websphere, Mainframe connectors, MQueue) to microservices, react, containers, private openshift cloud, kafka topics

Since 2016 – New apps in containers, migrations... New Blood in our IT landscape

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### How it was before



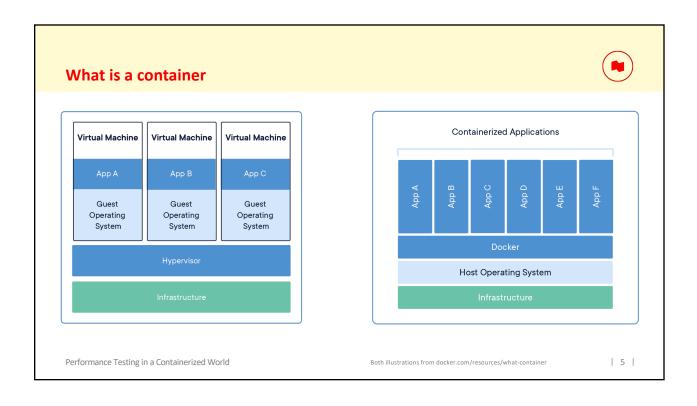
# dOEs iT wOrKs?

No? Add memory!

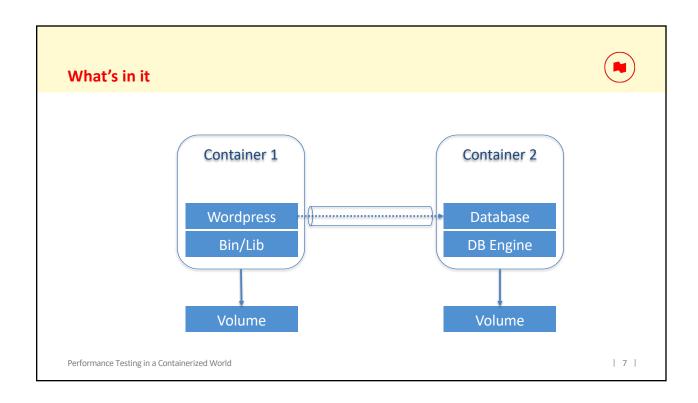
fine, release then

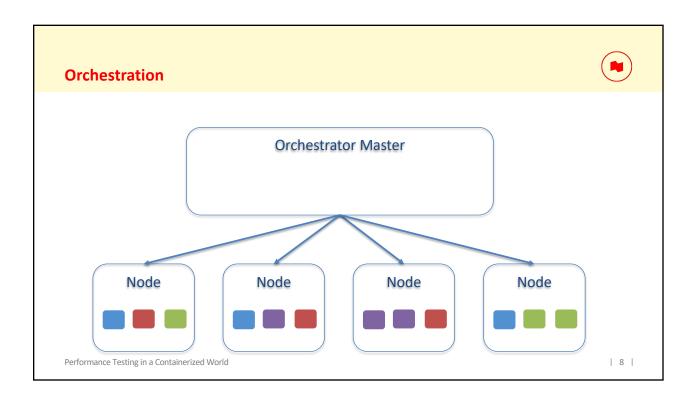
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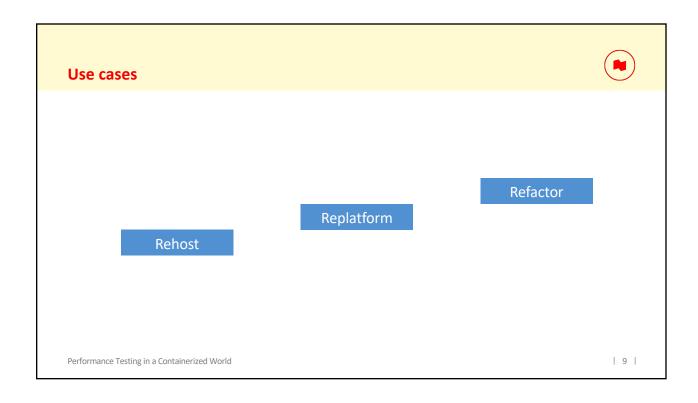
| 4 |

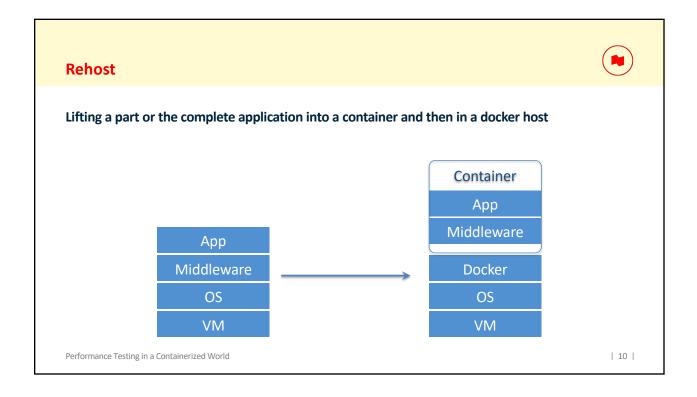












### **Rehost on cloud**



### Example:

VM on ESXi was 4 CPU + 12 G

Instance	vCPU	Memory (Gio)
m5.large	2	8
m5.xlarge	4	16
m5.2xlarge	8	32
m5.4xlarge	16	64
m5.8xlarge	32	128
m5.12xlarge	48	192
m5.16xlarge	64	256
m5.24xlarge	96	384

EC2 Instance Type excerpt – M5 non-metal, oct. 2019, AWS documentation

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### Rehost – Should we care?



- Might do a regression test : you should be surprised!
- Where are your database ? Consider using relational database SaaS.
- Are you using NFS, SAN, FTP?

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