

健康資訊交換系統中之容器安全
The Container Security in Healthcare Data
Exchange System

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Abstract

This research proposes a mechanism to enforce the system call a specific policy in the container, which is deployed in runtime. This policy is designed for the FHIR healthcare data exchange standard's container, which could guarantee the FHIR server does not have unsupported behavior and takes almost zero overhead. Recently, many companies use containers to run their microservices since containers could make their hardware resources be used efficiently. And the newest healthcare data exchange standard FHIR (Fast Healthcare Interoperability Resources) [1] has been implemented in a container by IBM, Microsoft, and firebase. The deployment of FHIR in a container is a trend in the digital world [2] . However, containers are not sandboxes [3] . Containers are just isolated processes. Therefore, if hackers or malicious software could sneak into the container that would be a new cyber attacking surface in nearly future.

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Bibliography

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