Agentless, out-of-box inspection of bare metal systems using BMI (Bare Metal Imaging)

Project Logistics:

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Min-max team size: 3-5
Expected project hours per week (per team member): 6-8
Will the project be open source: yes

Preferred Past Experience:

Some development experience preferably using python Required
Understanding of virtualization and containerization techniques, such as qemu-kvm, openstack, docker Valuable
Understanding of basic Linux storage subsystems and networking Nide to have

Project Overview:

Background:

Agentless and Out-of-box inspection of cloud resources like VMs, Containers allows us to implement various security functions seamlessly. In thsi project we are exploring an opportunity to extend these design principles for bare metals.

Project Specifics:

Some Technologies you will learn/use:

Docker Containers, QEMU-KVM
Cloud Platform architectures
Agentless system crawler: https://github.com/cloudviz/agentless-system-crawler
Standard DevOps tools like Git, travis, code coverage and testing