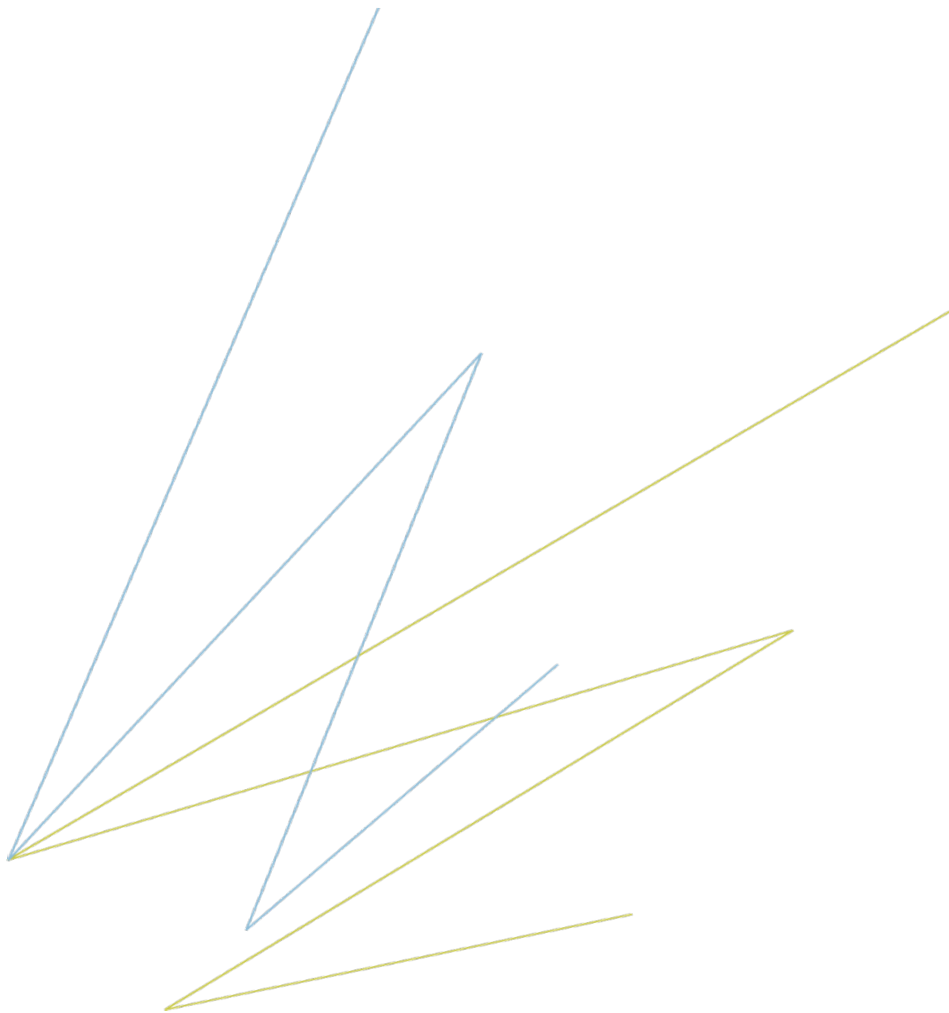# Criteria o
## deploy their software in a container (i.e., utilized operating-system-level virtualization)

*Doing What's Right—Doing What Works*

Criteria o:
deploy their software in a container (i.e., utilized operating-system-level virtualization)

Two virtual machines were utilized for the development of this prototype. Uffo is a virtual machine that has the responsibility of running Jenkins. The primary Jenkins job downloads, builds and deploys the code to the Tomcat server on Uole. Uole a virtual machine that runs an externally facing instance of Tomcat. The prototype is deployed from Uffo directly to Uole.

```
███████:/████████████# cat uole.xml
<!--
WARNING: THIS IS AN AUTO-GENERATED FILE. CHANGES TO IT ARE LIKELY TO BE
OVERWRITTEN AND LOST. Changes to this xml configuration should be made using:
  virsh edit uole
or other application using the libvirt API.
-->

<domain type='kvm'>
  <name>uole</name>
  <uuid>553d6265-fddb-d014-0a93-58dafce79223</uuid>
  <memory>8388608</memory>
  <currentMemory>8388608</currentMemory>
  <vcpu>8</vcpu>
  <os>
    <type arch='x86_64' machine='pc-1.0-qemu-kvm'>hvm</type>
    <boot dev='hd'/>
  </os>
  <features>
    <acpi/>
    <apic/>
    <pae/>
  </features>
  <clock offset='utc'/>
  <on_poweroff>destroy</on_poweroff>
  <on_reboot>restart</on_reboot>
  <on_crash>restart</on_crash>
  <devices>
    <emulator>/usr/bin/kvm</emulator>
    <disk type='file' device='disk'>
      <driver name='qemu' type='raw'/>
      <source file='/data2/kvm/uole/root.qcow2'/>
      <target dev='vda' bus='virtio'/>
      <address type='pci' domain='0x0000' bus='0x00' slot='0x04' function='0x0'/
>
    </disk>
    <disk type='block' device='cdrom'>
      <driver name='qemu' type='raw'/>
      <target dev='hdc' bus='ide'/>
      <readonly/>
      <address type='drive' controller='0' bus='1' unit='0'/>
    </disk>
    <controller type='ide' index='0'>
      <address type='pci' domain='0x0000' bus='0x00' slot='0x01' function='0x1'/
>
    </controller>
    <interface type='bridge'>
      <mac address='52:54:00:d4:eb:4d'/>
      <source bridge='br195'/>
      <address type='pci' domain='0x0000' bus='0x00' slot='0x03' function='0x0'/
>
    </interface>
```

*Uole is the local name of the deployment host that runs Tomcat. This is the output from the virtual machine's XML file which depicts the configuration details. Note the "source file" entry.*