**vmiDC Orchestration Agent Design Specifications**

The purpose of this document is to provide detailed instructions/steps on how to modify a factory default vNSP image so that it becomes ready to perform, among other tasks, desired functions of vmiDC Orchestration Agent as explained in the document “vmiDC Orchestration Agent Functional Specifications”. This is a first draft and may change as more information becomes available. Using term “agent” in this document implies “vmiDC Orchestration Agent” unless otherwise stated.

**Modification steps:**

1. Obtain the tar ball from the Controlled Spec shared folder located at: \\10.40.64.32\Controlled\_Specs\vmiDC\vmiDCAgentBOM\ jre-7u45-linux-x64.tar

Note: The tar ball consists of the following files/directories:

opt

opt/vmidc

opt/vmidc/bin: contains our executable jar file (vmiDCAgent), a properties file to manage states and our python scripts to automate the process of idscli interactions.

opt/vmidc/dpa: to contain data path agent

opt/vmidc/jre: contains java runtime

1. Untar the file and copy it to the “/mnt/config” of the VM deployed from latest factory default build ovf.
2. Add the following lines at the end of “/etc/rc.d/rc.local” :

echo ‘Starting vmiDC agent’

cd /mnt/config/opt/vmidc/bin

chmod +x ../jre/bin/java

../jre/bin/java –jar vmiDCAgent.jar > /dev/null 2>&1 &

1. Copy the rc.local to “/mnt/config/opt/”
2. Add the following lines at the end of “/usr/local/bin/iv.local”

/usr/local/sbin/iptables –I INPUT –I eth0 –p tcp –dport 8090 8090 –j ACCEPT

1. Copy the iv.local to “/mnt/config/opt/”
2. Enter the idscli shell and run the command “factorydefault”
3. After the appliance reboots, replace the following two files with the ones modified and stored under /mnt/config/opt/ : “/usr/local/bin/iv.local” and “/etc/rc.d/rc.local”
4. Then apply updateconfig.sh to both rc.local and iv.local to persist the changes.
5. Power off the VM and convert it into a template. Export it as an OVF to a pre-determined location