

## Title: KVM.net Manager Replication (Master/Slave configuration)

No: IPA4-3

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### **SUMMARY:**

Master unit is designed to fully operate and serve IP Access and PX devices and users. Slave unit is designed to hold exact replica of the KVM.net Manager internal LDAP database while no http service is running on the Slave machine and it is not designed for serving the users.

The replication is done whenever new changes in the database are detected. The Slave unit is fully identical to the Master unit – at any given time.

**Note!** Slave unit must be connected to the network and has to be switched on for replication to be performed.

### **MORE INFORMATION:**

To replicate the Master's internal database to Slave unit manually stop tomcat5 service on Master and Slave machines “service tomcat5 stop” and then run the following script on Master machine in /replicom/scripts folder by using local console or PuTTY.exe: ./ldapreplica.sh and enter IP address of the Slave machine when prompted.

System clocks of Master and Slave machines must be fully synchronized between them for correct operation of the replication service.

To set the system time in KVM.net Manager machine type the following command in local console or using PuTTY.exe:

date MMDDhhmmYYYY.ss, where:

MM = month	DD = day	hh = hour
mm = minutes	YYYY = year	ss = seconds

To configure the KVM.net Manager unit to be a Slave, run the following script in /replicom/scripts folder by using local console or PuTTY.exe: ./be\_slave.sh and enter IP address of the Master machine when prompted.

To Configure the KVM.net Manager unit to be a Master run the following script in /replicom/scripts folder by using local console or PuTTY.exe: ./be\_master.sh and enter IP address of the Slave machine when prompted. During system configuration, the KVM.net Manager will replicate the LDAP database to the Slave machine automatically.

In case where the Slave unit must be promoted to Master when the Master unit is down or malfunction, the Slave unit IP address must be re-configured to be the same IP address as the original Master's IP address (To where all IP Access and PX devices are pointing).

Change the IP address of KVM.net Manager Slave unit by running system-config-network command using local console or PuTTY.exe. Restart network service after changing the IP address of the KVM.net Manager: “service network restart”

**Note!** Configure IP Address of the Slave unit only when Master unit is switched off or disconnected from the network to avoid network conflicts.

Run the following script in /replicom/scripts folder by using local console or PuTTY.exe:  
./be\_stand\_alone.sh

Wait for three minutes and then login to KVM.net Manager web interface at the same network address as the original Master unit was.

### **COMMENTS:**

Download the PuTTY.exe software from the following link:

[www.minicom.com/support/kvmnet/PuTTY.exe](http://www.minicom.com/support/kvmnet/PuTTY.exe)

This document is for KVM.net version 4.0.1.1 or later. For KVM.net version 3.40.xx refer to IPA4-2 document.