#### TSI-4000 field installation

# <u>Rev E</u>

# **BEFORE ANY INSTALL: DISABLE THE WATCHDOG!!**

- 1. Watchdog can be disabled:
  - from LCD
    - OR
  - By pressing **Ctrl+F7** in the TSI-4000 diagnostic screen.
- 2. Unzip Install.zip into Windows working directory
- 3. SFTP all files to TSI-40000 /opt folder
- 4. Open ssh or telnet session to TSI-4000
- 5. Log in as root user
- 6. cd /opt folder
- 7. set execute permission for tsiupdate.sh
- 8. run tsiupdate.sh
- 9. After installation complete power cycle TSI-4000
- 10. <u>Re-enable Watchdog</u>

Sample session:

#### telnet 192.168.0.243

Ubuntu 12.04.4 LTS TSI4000-51028 login: tsi4000 Password: Last login: Mon Jan 14 16:02:35 CST 2019 on pts/0 Welcome to Ubuntu 12.04.4 LTS (GNU/Linux 3.2.59-rt85 x86\_64)

tsi4000@TSI4000-51028:~\$ sudo -s

[sudo] password for tsi4000: xxxxxxx root@TSI4000-51028:~# root@TSI4000-51028:~# cd /opt root@TSI4000-51028:/opt# chmod 777 ./tsiupdate.sh root@TSI4000-51028:/opt# ./tsiupdate.sh

### To Install Full Redis-Based system

After the above procedure:

1. Get two files from:

# \server\transfer\from\_ali\Debian packages\TSI4000

Purpose of file	File name mask	Typical
TSI-4000 Node.js server	Tsinode*.zip	tsinode-v6.10.0.138.zip
installer Zip file		
TSI-4000 Node.js application	tsi-app-*.deb	tsi-app-1.0.138.deb
installer Debian file		

- 2. Run the Upload Server at port 8000
- 3. Drag the above ZIP file to the Upload Server "Choose Files" button.
- 4. Wait for the "Success Upload" message
- 5. Click the "Back" link.
- 6. Confirm that file is listed in Upload Server page.
- 7. Click the "Install" button
- 8. During installation the Upload Server status bar will show "Waiting for <ip address>" (this may take several minutes).
- 9. Scroll to the bottom of the page and click the "back" link.
- 10. Click "Upload" (with "no file chosen") to confirm the installed version.
- 11. Repeat the process for the Debian file. The wait time for this should be a few seconds.
- 12. Reboot the TSI-4000.
- 13. Log into the TSI-4000 command line as "tsi4000" user, then escalate to "root" user.
- 14. Type "tsinode on" to enable the Redis logic.
- 15. At the TSI-4000 diagnostics terminal press Ctrl-A, Ctrl-X to put the tally program into "Redis mode".

It is now important to now create a new Admin for the system:

- 1. Open TSI-4000 Web Page at port 4000.
- 2. Initial log-in is admin/admin.
- 3. Check customer preference for the admin login.
- 4. Click Admin > Administrate Users > New User.
- 5. Create new admin.

#### Installing Firmware Executable with Upload Server

1. Get two files from \server\transfer\TSI-4000\Executable\_file:

Purpose of file	File name
TSI-4000 executable	TSI40V1.NEW
Firmware installer	firmware_installer.zip

- 2. Run the Upload Server at port 8000.
- 3. Drag the TSI-4000 executable to the Upload Server "Choose Files" button.
- 4. Wait for the "Success Upload" message.
- 5. Click the "Back" link.
- 6. Confirm that file is listed in Upload Server page.
- 7. Click the "Install" button.
- 8. Repeat the above steps for the "firmware\_installer.zip" file.
- 9. Restart the TSI-4000 process (either reboot the box or remotely restart the program).

# Tally System Console TSI List

When initially installing and running Tally System Console 3.4 a prompt appears indicating that that "the TSI List is missing".

- 1. Click "Yes" to the prompt. The TSI list editor will open
- 2. For a non-redundant TSI system enter a name for the TSI-4000 and its IP address. In this case the second IP address can be left blank.
- 3. For a redundant TSI system enter a name for the TSI-4000 and two IP addresses.
- 4. If it is expected to work online with the TSI-4000 check "Assume Online".
- 5. Click Ok to close the editor.

The TSI list can be edited later, if the Tally Console is running in Redis mode, by opening the TSI List editor at Management > "Edit TSI List".

The TSI List file is "RemoteTSIs.json" located at the Tally System Console 3.4 install folder.

The TSI list is automatically filled in from a .TC2 configuration file. This behavior can be controlled at Management > Configuration "Remote Session" > "Read TSI List from .TC2 file".

### Setting Tally System Console and TSI-4000s for Redis mode

- 1. Open Tally System Console 3.4
- 2. Open Hardware > Tally System Console editor
- 3. Confirm that TSI-4000(s) to be updated are selected as "Active".
- 4. Check Management > Configuration > General > "Send Configuration to Redis server"
- 5. Click OK.
- 6. On prompt "Set Active TSIs to Redis mode?" click yes.

This will set active TSI-4000s to "Redis" mode and cause the TSI-4000 Tally Processor to restart.

Note that Tally System Console 3.4 running in Redis mode will display a "3" in the title bar icon.