**Hack to get nivisa start scripts to run on RHEL 7 (from sysV to systemd)**

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| --- | --- |
| **sysV (init.d)** | **systemd** |
|  | [Unit] |
| Description: init.d text | Description=from init.d text |
| Required-Start: $<require> | After=<require.service or require.target>  Command to find <require>: systemctrl list-unit-files | grep <require> |
|  |  |
|  | [Service] |
|  | ExecStart=<path to modified init.d script> start |
|  | ExecStop=<path to modified init.d script> stop |
|  | Type=oneshot |
|  | RemainAfterExit=yes |
|  | Standardoutput=journal+console |
|  |  |
|  | [Install] |
|  | WantedBy=multi-user.target |
| Delete LSB header information from sysV start script |  |

**Translation table to convert sysV to systemd scripts**

Following example based on /etc/init.d/nipxirmu

1. vi /etc/system/systemd/nipxirmu.service

Add the following

[Unit]

Description=Start National Instruments nipxirmu service

After=rsyslog.service nipal.service remote-fs.target

[Service]

ExecStart=/etc/my\_start\_scripts/natinst/nipxirmu start

ExecStop=/etc/my\_start\_scripts/natinst/nipxirmu stop

Type=oneshot

RemainAfterExit=yes

StandardOutput=journal+console

[Install]

WantedBy=multi-user.target

1. cp /etc/init.d/nipxirmu /etc/my\_start\_scripts/natinst/nipxirmu
2. vi=/etc/my\_start\_scripts/natinst/nipxirmu

Delete all the LSB Header information

NOTE: This is at the top of the file with lines starting with “#” and contains things like chkconfig, description, Required-Start etc. For ni sysV scripts, this usually starts with “# /sbin/chkconfig” and ends with “### END INIT INFO”

1. Delete the link from /etc/init.d/nipxirmu

rm /etc/init.d/nipxirmu

1. Run the following systemctl commands

systemctl daemon-reload (adds the new service equivalent to chkconfig <service> --add)

systemctl enable nipxirmu (tells the service to start at boot)

systemctl status nipxirmu (self explanatory)

systemctl start nipxirmu (manually start the service – also can use stop and restart)

1. Apply the above steps for sysV ni start scripts nilxid, nimdnsd, nipal, nipxirmu, and nisvcloc.