

# Der bessere UNIX 'ps' Befehl!

'Der Mensch ist ein Gewohnheitstier.' - Was sich als gut erwiesen hat, benutzt er immer wieder. Leider kann er sich damit beim NetWorker gelegentlich auch die Zähne ausbeißen.

So habe ich z.B. jahrelang diesen Befehl benutzt, um die aktiven NetWorker Daemons zu überprüfen - mit den NMC Prozessen gibt es seit dem NetWorker 8.0 leider recht unübersichtliche Ergebnisse:

```

root@centos7-nw181:~# ps -ef | grep nsr
nsrnmcc 1898      1 0 Sep14 ?        00:00:29 /opt/lqtronmc/apache/bin/httpd -f /opt/lqtronmc/apache/conf/httpd.conf
nsrnmcc 1899      1898 0 Sep14 ?        00:00:00 /opt/lqtronmc/apache/bin/httpd -f /opt/lqtronmc/apache/conf/httpd.conf
postgres 2129      1 0 Sep14 ?        00:00:18 /opt/lqtronmc/postgres/bin/postgres -D /nsr/nmc/nmcsdb/pgdata
root     8461      1 0 Sep14 ?        00:02:05 /usr/sbin/nsrexecd
root     8482      1 0 Sep14 ?        00:01:34 /usr/sbin/nsrctld
root     8489      8482 0 Sep14 ?        00:00:08 /opt/nsr/rabbitmq-server-3.2.4/erts-5.10.4/bin/epmd
root     8503      8482 0 Sep14 ?        00:00:00 /bin/sh /opt/nsr/rabbitmq-server-3.2.4/bin/rabbitmq-server start
root     8507      8503 0 Sep14 ?        00:36:12 /opt/nsr/rabbitmq-server-3.2.4/sbin/./erts-5.10.4/bin/./erts-5.10.4/bin/beam.smp -W w -K true -A30 -P 1048576 -- -root /opt/nsr/rabbitmq-server-3.2.4/sbin/./erts-5.10.4/bin/./... -prognose erl -- -home /nsr/rabbitmq -- -pa /opt/nsr/rabbitmq-server-3.2.4/sbin/./../ebin -noshell -noinput -s rabbit boot -sname rabbit@centos7-nw181 -boot /opt/nsr/rabbitmq-server-3.2.4/sbin/./releases/3.2.4/start_sasl -kernel inet def
ault_connect_options [{nodelay,true}] -sasl_errlog type error -sasl_error_logger false -rabbit_error_logger {file,"/opt/nsr/rabbitmq-server-3.2.4/sbin/./var/log/rabbitmq/rabbit@centos7-nw181.log"} -rabbit_sasl_error_logger {file,"/opt/nsr/rabbitmq-server-3.2.4/sbin/./var/log/rabbitmq/rabbit@centos7-nw181-sasl.log"} -rabbit_enabled_plugins_file "/opt/nsr/rabbitmq-server-3.2.4/sbin/./etc/rabbitmq/enable_plugins" -rabbit_plugins_dir "/opt/nsr/rabbitmq-server-3.2.4/sbin/./plugins" -rabbit_plugins_expand_dir "/opt/nsr/rabbitmq-server-3.2.4/sbin/./var/lib/rabbitmq/mnesia/rabbit@centos7-nw181-plugins-expand" -os_mon start_cpu_sup false -os_mon start_disk_sup false -os_mon start_memsup false -mnesia_dir "/opt/nsr/rabbitmq-server-3.2.4/sbin/./var/lib/rabbitmq/mnesia/rabbit@centos7-nw181"
nsrtomca 8597      8482 0 Sep14 ?        00:00:00 jsvc.exec -nodetach --add-modules=java.se.ee --illegal-access=permit -classpath /opt/nsr/authc-server/tomcat/bin/bootsrap.jar:/opt/nsr/authc-server/tomcat/bin/tomcat-juli.jar -pidfile /nsr/authc/authc-tomcat.pid -Dcatalina.home=/opt/nsr/authc-server/tomcat -Dcatalina.base=/nsr/authc -Dauthc.server.datasource.location=/nsr/authc/data/authcdb -Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager -Djava.util.logging.config.file=/nsr/authc/conf/logging.properties -Djava.locale.providers=COMPAT -XX:+IgnoreUnrecognizedVMOptions org.apache.catalina.startup.Bootstrap
nsrtomca 8602      8597 11 Sep14 ?        18:06:36 jsvc.exec -nodetach --add-modules=java.se.ee --illegal-access=permit -classpath /opt/nsr/authc-server/tomcat/bin/bootsrap.jar:/opt/nsr/authc-server/tomcat/bin/tomcat-juli.jar -pidfile /nsr/authc/authc-tomcat.pid -Dcatalina.home=/opt/nsr/authc-server/tomcat -Dcatalina.base=/nsr/authc -Dauthc.server.datasource.location=/nsr/authc/data/authcdb -Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager -Djava.util.logging.config.file=/nsr/authc/conf/logging.properties -Djava.locale.providers=COMPAT -XX:+IgnoreUnrecognizedVMOptions org.apache.catalina.startup.Bootstrap
root     8634      8482 0 Sep14 ?        00:01:26 nsrviad --program-log-level=debug -i -inventory -p 88
root     8641      8482 0 Sep14 pts/0      00:06:18 nsrwatch
root     8641      8482 0 Sep14 ?        00:05:26 /usr/sbin/nsrd
root     8663      8641 0 Sep14 ?        00:11:33 /usr/java/latest/bin/java -cp /usr/sbin/onorpc.jar:/usr/sbin/auth_proxy.jar:/usr/sbin/auth-client-proxy-with-dependencies.jar:COM.emc.nsr.authproxy.AuthProxyServer:7995 /nsr/tmp/lock/auth_proxy.lock-8641
root     8689      8641 0 Sep14 ?        00:03:24 /usr/sbin/nsrmmdbd
root     8700      8641 0 Sep14 ?        00:00:02 /usr/sbin/nsrindexd
root     8702      8482 0 Sep14 ?        00:54:29 /usr/java/latest/bin/java -Xmx1G -Dnode.authServicePort=9090 -jar /opt/nsr/hyperv-flr-ui/hyperv-flr-ui.jar
root     8726      8641 0 Sep14 ?        00:00:09 /usr/sbin/nsrdispd
root     8745      8641 0 Sep14 ?        00:03:09 /usr/sbin/nsrjobd
root     8832      8461 0 Sep14 ?        00:00:31 /usr/sbin/nsrlogd
root     8860      8641 0 Sep14 ?        00:03:23 /usr/sbin/nsrvmwsd
root     9152      1 0 Sep14 ?        00:05:35 /usr/sbin/nsrmmmd -b 2 -N 504718337 -n 2 -s centos7-nw181 -t centos7-nw181
root     38894    8461 0 14:49 ?        00:00:00 /usr/sbin/nsrnmmd -s centos7-nw181 -M 655 -n 504718337 -N 1 -R
root     39674    39561 0 14:54 pts/2      00:00:00 grep --color=auto nsr

```

Das Bild wird jedoc gleich viel übersichtlicher, wenn Sie auch noch den Pfad mit angeben:

```

root@centos7-nw181:~# ps -ef | grep /usr/sbin/nsr
root     8461      1 0 Sep14 ?        00:02:05 /usr/sbin/nsrexecd
root     8482      1 0 Sep14 ?        00:01:34 /usr/sbin/nsrctld
root     8641      8482 0 Sep14 ?        00:05:26 /usr/sbin/nsrd
root     8689      8641 0 Sep14 ?        00:03:24 /usr/sbin/nsrmmdbd
root     8700      8641 0 Sep14 ?        00:00:02 /usr/sbin/nsrindexd
root     8726      8641 0 Sep14 ?        00:00:09 /usr/sbin/nsrdispd
root     8745      8641 0 Sep14 ?        00:03:09 /usr/sbin/nsrjobd
root     8832      8461 0 Sep14 ?        00:00:31 /usr/sbin/nsrlogd
root     8860      8641 0 Sep14 ?        00:03:23 /usr/sbin/nsrvmwsd
root     9152      1 0 Sep14 ?        00:05:35 /usr/sbin/nsrmmmd -b 2 -N 504718337 -n 2 -s centos7-nw181 -t centos7-nw181
root     38894    8461 0 14:49 ?        00:00:00 /usr/sbin/nsrnmmd -s centos7-nw181 -M 655 -n 504718337 -N 1 -R
root     39806    39561 0 14:56 pts/2      00:00:00 grep --color=auto /usr/sbin/nsr

```

Diesen Kniff sollten Sie sich vielleicht auch angewöhnen ...