

# The new resource 'NSR cloneconfig'

With the NetWorker version 8.2.0 (in 09/2014) EMC introduced a method to optimize clone processes. For that purpose you had, on the NetWorker server in the directory

```
/nsr/debug          or
..\nsr\debug        respectively,
```

to create the textfile `nsrcloneconfig` and to define the specific options. You will find all details in the *NetWorker Administration Guide* under *Strategies for cloning*.

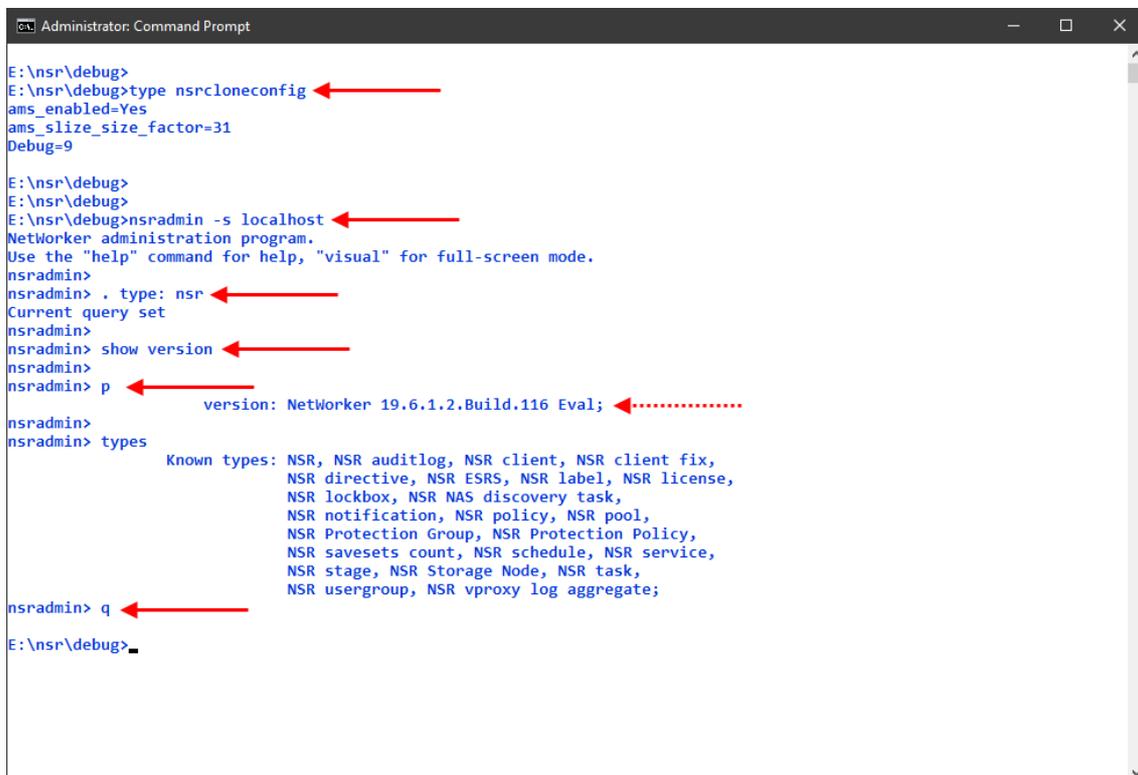
With the NetWorker version 19.7.0 the software will not use this parameter file any longer but it will maintain the options - now they will be defined in the new NetWorker resource `nsr_cloneconfig`. This means that the parameters are treated like any other NetWorker resource. And they will be backed up whenever a new *bootstrap* save set is generated.

However, you should be careful, because the description is (as so often) not perfect:

- In the *Command Line Reference* for the resource `nsr_cloneconfig` you will read, that the 'old' file `nsrcloneconfig` now is 'obsolete'. However, the reader will not be told what exactly this means.
- Especially, you will not learn, whether an existing file `nsrcloneconfig` will be converted **automatically** to the new resource during an update process.

To discover these secrets I ran a brief test - you never know ;-).

I started with a NetWorker server 19.6.x with this tiny little file `nsrcloneconfig`:



```
Administrator: Command Prompt
E:\nsr\debug>
E:\nsr\debug>type nsrcloneconfig
ams_enabled=Yes
ams_size_size_factor=31
Debug=9

E:\nsr\debug>
E:\nsr\debug>
E:\nsr\debug>nsradmin -s localhost
NetWorker administration program.
Use the "help" command for help, "visual" for full-screen mode.
nsradmin>
nsradmin> . type: nsr
Current query set
nsradmin>
nsradmin> show version
nsradmin>
nsradmin> p
version: NetWorker 19.6.1.2.Build.116 Eval;

nsradmin>
nsradmin> types
Known types: NSR, NSR auditlog, NSR client, NSR client fix,
             NSR directive, NSR ESRS, NSR label, NSR license,
             NSR lockbox, NSR NAS discovery task,
             NSR notification, NSR policy, NSR pool,
             NSR Protection Group, NSR Protection Policy,
             NSR savesets count, NSR schedule, NSR service,
             NSR stage, NSR Storage Node, NSR task,
             NSR usergroup, NSR vproxy log aggregate;

nsradmin> q
E:\nsr\debug>
```

When I updated to 19.7.0 this file was detected and it was automatically converted. You will find the resulting messages in the log file `nsr_render_log` :

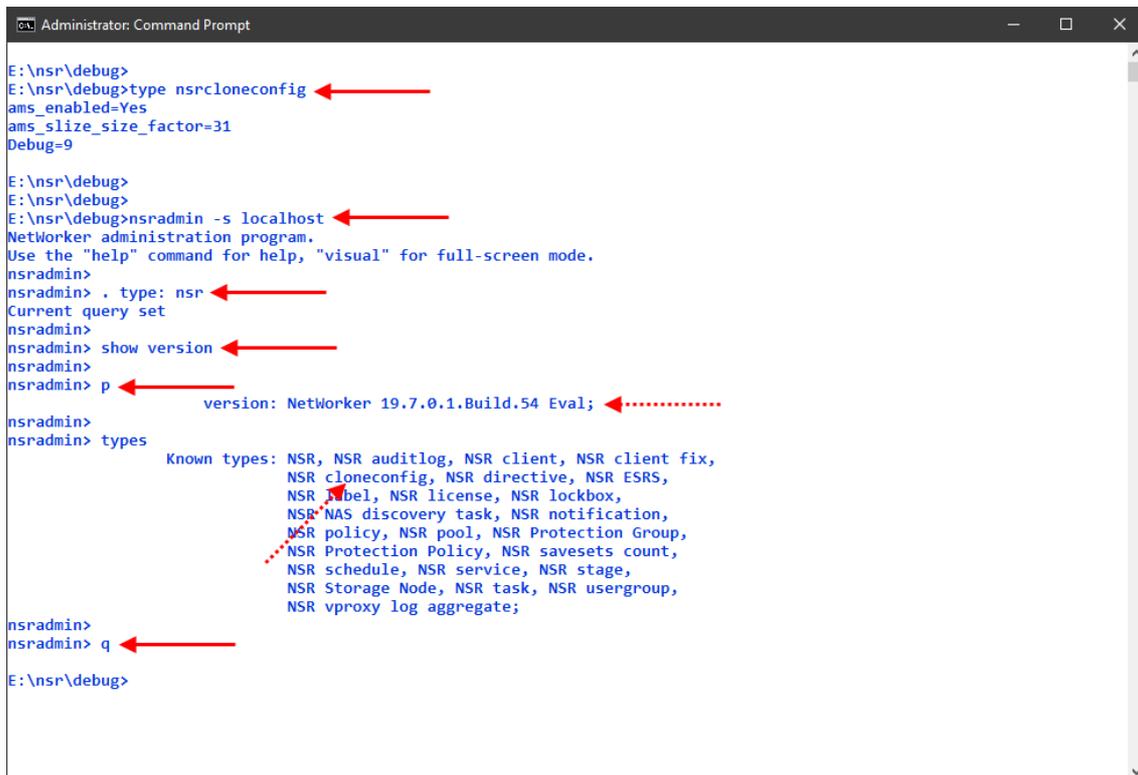
```

.....
144355 15.10.2022 13:04:59 1 5 0 7432 4328 0 19-nwserver.eval.local nsrctld //
NSR notice Daemon nsrdispd is running.
203365 15.10.2022 13:05:00 1 5 0 4380 4544 0 19-nwserver.eval.local nsrd NSR //
notice Creating NSR cloneconfig resource from values in "E:\nsr\debug\nsrcloneconfig"
203374 15.10.2022 13:05:00 1 5 0 4380 4544 0 19-nwserver.eval.local nsrd NSR //
notice Renaming file "E:\nsr\debug\nsrcloneconfig" to //
"E:\nsr\debug\nsrcloneconfig.obsolete".
203375 15.10.2022 13:05:01 5 26848 488 4380 4544 0 19-nwserver.eval.local nsrd NSR //
critical Failed to rename "E:\nsr\debug\nsrcloneconfig" to //
"E:\nsr\debug\nsrcloneconfig.obsolete".
.....

```

Then NetWorker will obviously try to rename the file - which in my case resulted in an error (see above).

In the end the new resource `NSR cloneconfig` will be created. Please keep in mind that it is not configurable from the NetWorker Admin GUI - you must use `nsradmin` for this purpose:



Using my existing `nsrcloneconfig` file, this is the resulting resource `NSR cloneconfig` :

```

Administrator: Command Prompt
E:\nsr\debug>
E:\nsr\debug>nsradmin -s localhost
NetWorker administration program.
Use the "help" command for help, "visual" for full-screen mode.
nsradmin>
nsradmin> . type: nsr cloneconfig
Current query set
nsradmin>
nsradmin> p
                                type: NSR cloneconfig;
                                name: 19-nwserver.eval.local;
    Clone Debug Level: 9;
    AMS enabled: Yes;
    AMS slice size factor: 31;
    AMS preferred slice count: 0;
AMS min concurrent slice count: 1;
AMS max concurrent slice count: 20;
    Max threads per client: ;
    Max savesets per thread: ;
    Max client threads: ;
    MMD reservation timeout: ;
    Use IP interface: No;
    Disable VSR: No;
    Immediate Verbose: 0;
    Pool Size: 1000;
    Buffer Size: 256;
    Log performance stats: No;
nsradmin>
nsradmin> q
E:\nsr\debug>

```



Be careful - if the NetWorker server services will be started next time the 'old' file `nsrcloneconfig` will be deleted - you will only find this detail if you read the log file `nsr_render_log` again:

```

.....
144355 15.10.2022 13:28:01 1 5 0 4532 7936 0 19-nwserver.eval.local nsrctld NSR //
notice Daemon nsrdispd is running.
203376 15.10.2022 13:28:01 1 5 0 7920 8 0 19-nwserver.eval.local nsrd NSR notice //
Resource "NSR cloneconfig" exists. Deleting "E:\nsr\debug\nsrcloneconfig".
0 15.10.2022 13:28:02 1 5 0 3532 7936 0 19-nwserver.eval.local nsrctld NSR notice //
rmq: Configuring logger redirection
.....

```