

Kennen Sie die automatische Korrektur von NetWorker Ressourcen mit 'nsradmin' ?

Ein kleine, aber nicht unbedeutende Eigenschaft gibt es beim NetWorker seit einigen Versionen - die Korrektur bestimmter NetWorker Ressourcen mit Hilfe des Befehls `nsradmin -C`.

Seit kurzem gibt es sogar eine 'automatische' Variante: `nsradmin -y -C`.

Die genaue Verfügbarkeit der Befehle zeigt die Tabelle auf der nächsten Seite.

Wie so oft ist die Dokumentation kurz und knapp - mit einem Wort: „mangelhaft“. Und die Beschreibung der 'automatischen' Variante glänzt bis heute in der *NetWorker 8.2.x Command Line Reference* durch Abwesenheit. Hier die entscheidenden Details zum Befehl `nsradmin`:

- C *Perform miscellaneous validation checks on NetWorker resources. When using this option the query argument is mandatory.*
- y *Autocorrect RAP resource errors found during validation checking using the -C option.*

Alles klar? - Für alle, die sich darunter noch nichts Konkretes vorstellen können, habe ich hier ein paar Beispiele parat.

Diese Tabelle zeigt die Verfügbarkeit über die aktuellen NetWorker Versionen:

Befehl	Attribut	Verfügbar für NetWorker Version bzw. ab Sub-Version							
		9.1.0.x	8.2.2.x	8.2.1.x	8.2.0.x	8.1.3.x	8.1.2.x	8.0.4.x	
nsradmin -C	"type: nsr client"			8.2.1.0	8.2.0.3	---	8.1.2.0	8.0.4.2	und höher
nsradmin -C	"type: nsr usergroup"			8.2.1.0	8.2.0.4	---	8.1.2.2	8.0.4.4	und höher
nsradmin -C	"type: nsr storage node"		8.2.2.0	---	---	---	---	---	und höher
nsradmin -p nsrexec -C	"type: nsr peer information"			8.2.1.2	---	8.1.3.0	8.1.3.0	8.0.4.4	und höher
nsradmin -y -C		9.1.0	8.2.2.0	---	---	---	---	---	und höher

Hier das Beispiel für einen Report:

```
C:\>nsradmin -p nsrexec -C "NSR peer information"
```

```
Validate "NSR peer information" resources
```

```
Synopsis: For each NSR peer information resource in nwserver82.eval.local's NSRLA database, verify the 'NW // instance ID' and 'certificate' attributes match those found in the peer's NSRLA resource.
```

```
Peer 1 of 119
```

```
Hostname: client-001.eval.local
```

```
Instance ID: 5cbbb2b0-00000004-aedb02ff-5278e649-0001e778-c45ee8d1
```

```
Matching certificates: Yes
```

```
.....
```

```
Peer 7 of 119
```

```
Hostname: client-007.eval.local
```

```
Instance ID: a7939525-00000004-fc36137d-53fb5da2-00015000-ac25b956
```

```
* Unable to connect to client-007.eval.local's NSRLA database: Unknown host
```

```
Matching certificates: N/A
```

```
.....
```

```
Peer 35 of 119
```

```
Hostname: client-037.eval.local
```

```
Instance ID: 4cdf0d3e-00000004-0a9d5514-4e0c57ad-00011b00-566f9b78
```

```
* The "NSR peer information" resource for nwserver8.eval.local in nwserver82.eval.local's NSRLA database is // out of date. The "NW instance ID" attribute does not match the one stored in nwserver8.eval.local's // NSRLA resource. To correct the problem, delete the NSR peer information resource for nwserver8.eval.local // in nwserver82.eval.local's NSRLA database.
```

```
Matching certificates: No
```

```
.....
```

.....

Peer 46 of 119
Hostname: client-046.eval.local
Instance ID: 80d91d78-00000004-f3ee29d8-5629e922-00015000-e574b956
82666:nsradmin: Reverse DNS lookup failed for client-046.eval.local: No such host is known. //
Matching certificates: Yes

.....

Peer 65 of 119
Hostname: client-065.eval.local
Instance ID: 69806238-00000004-bc60c3cc-5625f78e-00010000-00000000

* Unable to connect to client-065.eval.local's NSRLA database: Remote system error - A connection attempt //
failed because the connected party did not properly
respond after a period of time, or established connection failed because connected host has failed to respond.

Matching certificates: N/A

.....

Peer 97 of 119
Hostname: client-097.eval.local
Instance ID: f6e46466-00000004-546e60c9-5642128d-00015000-44478356
Matching certificates: Yes

Peer 98 of 119
Hostname: client-098.eval.local
Instance ID: f12f9d81-00000004-c00ee182-569768c5-00015000-35068356
Matching certificates: Yes

Peer 99 of 119
Hostname: client-099.eval.local
Instance ID: 9dd61719-00000004-16d7811a-539847de-00015000-954ab956

* Unable to connect to client-097.eval.local's NSRLA database: Unknown host

Matching certificates: N/A

.....

.....

Peer 118 of 119
Hostname: client-118.eval.local
Instance ID: 20644ffa-00000004-7c8866e0-4e9ff912-00010f00-07ad6a20

* Unable to connect to client0##0149.eval.local's NSRLA database: Unknown host

Matching certificates: N/A

Peer 119 of 119
Hostname: client-119.eval.local
Instance ID: a905d4e6-00000004-ac8fd3ca-569dfa38-00015000-73268356
Matching certificates: Yes

Summary:

NSR peer information resources checked:	119
RAP connect errors:	36
RAP query errors:	0
Resource mismatches:	10
Resources corrected:	0

Peers with mismatched certificates/instance IDs: *client_liste*

Unable to validate the following peers: *client_liste*

Total errors: 46

C:\>

Hier das Beispiel für eine automatische Korrektur - die wichtigste Information finden Sie im SUMMANNRY am Ende des Vorgangst:

```
C:\>nsradmin -p nsrexec -C "NSR peer information"
```

```
Validate "NSR peer information" resources
```

```
Synopsis: For each NSR peer information resource in nwserver82.eval.local's NSRLA database, verify the 'NW // instance ID' and 'certificate' attributes match those found in the peer's NSRLA resource.
```

```
Peer 1 of 119
```

```
Hostname: client-001.eval.local
```

```
Instance ID: 5cbbb2b0-00000004-aedb02ff-5278e649-0001e778-c45ee8d1
```

```
Matching certificates: Yes
```

```
Peer 2 of 119
```

```
Hostname: client-002.eval.local
```

```
Instance ID: bc00bf55-00000004-91f5cbef-560a5f88-00015000-8f09b956
```

```
Matching certificates: Yes
```

```
.....
```

```
Peer 32 of 119
```

```
Hostname: client-032.eval.local
```

```
Instance ID: 4cdf0d3e-00000004-0a9d5514-4e0c57ad-00011b00-566f9b78
```

```
* The "NSR peer information" resource for client-032.eval.local in nwserver82.eval.local's NSRLA database is // out of date. The "NW instance ID" attribute does not match the one stored in client-032.eval.local's // NSRLA resource. To correct the problem, delete the NSR peer information resource for client-032.eval.local // in nwserver82.eval.local's NSRLA database.
```

```
* Deleted "NSR peer information" resource for client-032.eval.local from nwserver82.eval.local's NSRLA database
```

```
Matching certificates: Corrected
```

```
.....
```

.....

Peer 118 of 119
Hostname: client-118.eval.local
Instance ID: c990dafc-00000004-1b7b2699-551510aa-00015000-365c8356
Matching certificates: Yes

Peer 119 of 119
Hostname: client-119.eval.local
Instance ID: 20644ffa-00000004-7c8866e0-4e9ff912-00010f00-07ad6a20

* Unable to connect to client-119.eval.local's NSRLA database: Unknown host

* client-119.eval.local is not a configured client in nwserver82.eval.local's NSR database; deleting its // "NSR peer information" resource...

* Deleted "NSR peer information" resource for client-119.eval.local from nwserver82.eval.local's NSRLA database

Matching certificates: Corrected

Summary:

NSR peer information resources checked:	119
RAP connect errors:	36
RAP query errors:	0
Resource mismatches:	10
Resources corrected:	43

Peers with mismatched certificates/instance IDs: client_liste

Unable to validate the following peers: client_liste

Corrections were made to the NSRLA databases of the following hosts: client_liste

Total errors: 46

C:\>