

My notes on SCAN listener

SCAN = Single Client Access Network → New feature in 11g R2.

Benefits for SCAN

Fast RAC failover: If a node fails, Oracle detects the loss of connection to the VIP and redirects new connects to the surviving VIP's. This is an alternative to the transparent application failover. (TAF) for automatic load balancing.

Easier maintenance for Grid RAC systems: For Grid systems that gen-in and gen-out blade servers frequently, SCAN offers easier change control for the RAC DBA. As RAC nodes are added or deleted, the DBA does not have to change the configuration files to reflect the current list of RAC node IP addresses (or hostnames). In a nutshell, SCAN allows a single cluster alias for all instances in the cluster.

Print local listener Info

```
lsnrctl status LISTENER
```

Print SCAN listener info

```
lsnrctl status LISTENER_SCAN1
```

```
lsnrctl status LISTENER_SCAN2
```

```
lsnrctl status LISTENER_SCAN3
```

How to see what are the IPs scan host is configured on?

```
nslookup Server-233_SCAN
```

SRVCTL commands:

No.	Command
1	Check the current configuration of SCAN Listener srvctl config scan
2	Shows the existence and port numbers for the SCAN listeners srvctl config scan_listener
3	Adds new SCAN information for a cluster srvctl add scan -n cluster01-scan

4	Removes SCAN information <code>srvctl remove scan -f</code>
5	Adds a new SCAN listener for a cluster on the default port of 1521 <code>srvctl add scan_listener</code>
6	Adds a new SCAN listener on a different port <code>srvctl add scan_listener -p 65001</code>
7	Removes the SCAN listener <code>srvctl remove scan_listener</code>
8	Modifies SCAN information (used when changing SCAN to DNS after initially using /etc/hosts)
9	Modifies the SCAN listener information to match the new SCAN VIP information from the modify scan command <code>srvctl modify scan_listener -u</code>
10	To relocate SCAN Listener <code>srvctl relocate scan_listener -i ordinal_number [-n node_name]</code> <code>srvctl relocate scan_listener -i 1 -n Inxrac2</code>
11	To Modify SCAN Listener Command: <code>srvctl modify scan_listener {-p [TCP:]port[/IPC:key] [/NMP:pipe_name] [/TCPS:s_port] [/SDP:port] -u }</code> Example: <code>srvctl modify scan_listener -u -p TCP:1521</code>
12	To Configure SCAN Listener Command: <code>srvctl config scan_listener [-i ordinal_number]</code> Example: <code>srvctl config scan_listener -i 3</code>
13	To Disable SCAN Listener Command: <code>srvctl disable scan_listener [-i ordinal_number]</code> Example: <code>srvctl disable scan_listener -i 1</code>

14	To Enable SCAN Listener Command: <code>srvctl enable scan_listener [-i ordinal_number]</code> Example: <code>srvctl enable scan_listener -i 2</code>
15	To check the status of SCAN Listener Command: <code>srvctl status scan_listener [-i ordinal_number]</code> Example: <code>srvctl status scan_listener -i 1</code>
16	To Stop SCAN Listener Command: <code>srvctl stop scan_listener [-i ordinal_number] [-f]</code> Example: <code>srvctl stop scan_listener -i 3</code>
17	To Start SCAN can Listener Command: <code>srvctl start scan_listener [-n node_name] [-i ordinal_number]</code> Example: <code>srvctl start scan_listener -n lnxcra1 -i 1</code>
18	To Remove SCAN Listener Command: <code>srvctl remove scan_listener [-f]</code> Example: <code>srvctl remove scan_listener -f</code>
19	To add SCAN Listener <code>srvctl add scan_listener -l scanlistener01</code> <code>srvctl add scan_listener [-l lsnr_name_prefix] [-s] [-p "[TCP:]port_list[/IPC:key][/NMP:pipe_name][/TCPS:s_port][/SDP:port]"]</code>