

Performing pre-checks for cluster services setup

Checking node reachability...

Check: Node reachability from node "ol6-agrac-rac1"

Destination Node	Reachable?
ol6-agrac-rac1	yes
ol6-agrac-rac2	yes

Result: Node reachability check passed from node "ol6-agrac-rac1"

Checking user equivalence...

Check: User equivalence for user "oracle"

Node Name	Status
ol6-agrac-rac2	passed
ol6-agrac-rac1	passed

Result: User equivalence check passed for user "oracle"

Checking node connectivity...

Checking hosts config file...

Node Name	Status
ol6-agrac-rac2	passed
ol6-agrac-rac1	passed

Verification of the hosts config file successful

Interface information for node "ol6-agrac-rac2"

Name	IP Address	Subnet	Gateway	Def. Gateway
eth0	192.168.0.112	192.168.0.0	0.0.0.0	192.168.0.1
eth1	192.168.1.112	192.168.1.0	0.0.0.0	192.168.0.1

Interface information for node "ol6-agrac-rac1"

Name	IP Address	Subnet	Gateway	Def. Gateway
eth0	192.168.0.111	192.168.0.0	0.0.0.0	192.168.0.1
eth1	192.168.1.111	192.168.1.0	0.0.0.0	192.168.0.1

Check: Node connectivity of subnet "192.168.0.0"

Source	Destination
Connected?	

```
-----
-----
ol6-agrac-rac2[192.168.0.112] ol6-agrac-rac1[192.168.0.111] yes
Result: Node connectivity passed for subnet "192.168.0.0" with node(s)
ol6-agrac-rac2,ol6-agrac-rac1
```

```
Check: TCP connectivity of subnet "192.168.0.0"
Source Destination
Connected?
```

```
-----
-----
ol6-agrac-rac1:192.168.0.111 ol6-agrac-rac2:192.168.0.112 passed
Result: TCP connectivity check passed for subnet "192.168.0.0"
```

```
Check: Node connectivity of subnet "192.168.1.0"
Source Destination
Connected?
```

```
-----
-----
ol6-agrac-rac2[192.168.1.112] ol6-agrac-rac1[192.168.1.111] yes
Result: Node connectivity passed for subnet "192.168.1.0" with node(s)
ol6-agrac-rac2,ol6-agrac-rac1
```

```
Check: TCP connectivity of subnet "192.168.1.0"
Source Destination
Connected?
```

```
-----
-----
ol6-agrac-rac1:192.168.1.111 ol6-agrac-rac2:192.168.1.112 passed
Result: TCP connectivity check passed for subnet "192.168.1.0"
```

Interfaces found on subnet "192.168.0.0" that are likely candidates for VIP are:

```
ol6-agrac-rac2 eth0:192.168.0.112
ol6-agrac-rac1 eth0:192.168.0.111
```

Interfaces found on subnet "192.168.1.0" that are likely candidates for a private interconnect are:

```
ol6-agrac-rac2 eth1:192.168.1.112
ol6-agrac-rac1 eth1:192.168.1.111
```

Checking subnet mask consistency...

Subnet mask consistency check passed for subnet "192.168.0.0".

Subnet mask consistency check passed for subnet "192.168.1.0".

Subnet mask consistency check passed.

Result: Node connectivity check passed

Checking multicast communication...

Checking subnet "192.168.0.0" for multicast communication with multicast group "230.0.1.0"...

Check of subnet "192.168.0.0" for multicast communication with multicast group "230.0.1.0" passed.

Checking subnet "192.168.1.0" for multicast communication with multicast group "230.0.1.0"...
Check of subnet "192.168.1.0" for multicast communication with multicast group "230.0.1.0" passed.

Check of multicast communication passed.

Checking ASMLib configuration.

Node Name	Status
ol6-agraac-rac2	passed
ol6-agraac-rac1	passed

Result: Check for ASMLib configuration passed.

Check: Total memory

Node Name	Available	Required
ol6-agraac-rac2	3.8615GB (4049080.0KB)	1.5GB (1572864.0KB)
ol6-agraac-rac1	3.8615GB (4049080.0KB)	1.5GB (1572864.0KB)

Result: Total memory check passed

Check: Available memory

Node Name	Available	Required
ol6-agraac-rac2	3.5508GB (3723260.0KB)	50MB (51200.0KB)
ol6-agraac-rac1	3.4595GB (3627548.0KB)	50MB (51200.0KB)

Result: Available memory check passed

Check: Swap space

Node Name	Available	Required
ol6-agraac-rac2	3.9922GB (4186108.0KB)	3.8615GB (4049080.0KB)
ol6-agraac-rac1	3.9922GB (4186108.0KB)	3.8615GB (4049080.0KB)

Result: Swap space check passed

Check: Free disk space for "ol6-agraac-rac2:/tmp"

Path	Node Name	Mount point	Available	Required
/tmp	ol6-agraac-rac2	/	3.8311GB	1GB

Result: Free disk space check passed for "ol6-agraac-rac2:/tmp"

Check: Free disk space for "ol6-agraac-rac1:/tmp"

Path	Node Name	Mount point	Available	Required
/tmp	ol6-agrac-rac1	/	8.8834GB	1GB

passed
Result: Free disk space check passed for "ol6-agrac-rac1:/tmp"

Check: User existence for "oracle"

Node Name	Status	Comment
ol6-agrac-rac2	passed	exists(502)
ol6-agrac-rac1	passed	exists(502)

Checking for multiple users with UID value 502
Result: Check for multiple users with UID value 502 passed
Result: User existence check passed for "oracle"

Check: Group existence for "oinstall"

Node Name	Status	Comment
ol6-agrac-rac2	passed	exists
ol6-agrac-rac1	passed	exists

Result: Group existence check passed for "oinstall"

Check: Group existence for "dba"

Node Name	Status	Comment
ol6-agrac-rac2	passed	exists
ol6-agrac-rac1	passed	exists

Result: Group existence check passed for "dba"

Check: Membership of user "oracle" in group "oinstall" [as Primary]

Node Name	User Exists	Group Exists	User in Group	Primary
ol6-agrac-rac2	yes	yes	yes	yes
ol6-agrac-rac1	yes	yes	yes	yes

passed
Result: Membership check for user "oracle" in group "oinstall" [as Primary] passed

Check: Membership of user "oracle" in group "dba"

Node Name	User Exists	Group Exists	User in Group	Status
ol6-agrac-rac2	yes	yes	yes	passed
ol6-agrac-rac1	yes	yes	yes	passed

Result: Membership check for user "oracle" in group "dba" passed

Check: Run level

Node Name	run level	Required
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    ol6-agrac-rac2  5                               3,5
passed
    ol6-agrac-rac1  5                               3,5
passed
Result: Run level check passed

```

Check: Hard limits for "maximum open file descriptors"

Node Name	Type	Available	Required	Status
ol6-agrac-rac2	hard	65536	65536	passed
ol6-agrac-rac1	hard	65536	65536	passed

Result: Hard limits check passed for "maximum open file descriptors"

Check: Soft limits for "maximum open file descriptors"

Node Name	Type	Available	Required	Status
ol6-agrac-rac2	soft	4096	1024	passed
ol6-agrac-rac1	soft	4096	1024	passed

Result: Soft limits check passed for "maximum open file descriptors"

Check: Hard limits for "maximum user processes"

Node Name	Type	Available	Required	Status
ol6-agrac-rac2	hard	16384	16384	passed
ol6-agrac-rac1	hard	16384	16384	passed

Result: Hard limits check passed for "maximum user processes"

Check: Soft limits for "maximum user processes"

Node Name	Type	Available	Required	Status
ol6-agrac-rac2	soft	2047	2047	passed
ol6-agrac-rac1	soft	2047	2047	passed

Result: Soft limits check passed for "maximum user processes"

Check: System architecture

Node Name	Available	Required
ol6-agrac-rac2	x86_64	x86_64
ol6-agrac-rac1	x86_64	x86_64

Result: System architecture check passed

Check: Kernel version

Node Name	Available	Required
ol6-agrac-rac2	3.8.13-16.2.1.el6uek.x86_64	2.6.32
ol6-agrac-rac1	3.8.13-16.2.1.el6uek.x86_64	2.6.32

passed

Result: Kernel version check passed

Check: Kernel parameter for "semmsl"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	250	250	250	passed
ol6-agrac-rac1	250	250	250	passed

Result: Kernel parameter check passed for "semmsl"

Check: Kernel parameter for "semmns"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	32000	32000	32000	passed
ol6-agrac-rac1	32000	32000	32000	passed

Result: Kernel parameter check passed for "semmns"

Check: Kernel parameter for "semopm"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	100	100	100	passed
ol6-agrac-rac1	100	100	100	passed

Result: Kernel parameter check passed for "semopm"

Check: Kernel parameter for "semmni"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	128	128	128	passed
ol6-agrac-rac1	128	128	128	passed

Result: Kernel parameter check passed for "semmni"

Check: Kernel parameter for "shmmax"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	68719476736	68719476736	2073128960	passed
ol6-agrac-rac1	68719476736	68719476736	2073128960	passed

Result: Kernel parameter check passed for "shmmax"

Check: Kernel parameter for "shmmni"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	4096	4096	4096	passed
ol6-agrac-rac1	4096	4096	4096	passed

Result: Kernel parameter check passed for "shmmni"

Check: Kernel parameter for "shmall"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	4294967296	4294967296	2097152	passed
ol6-agrac-rac1	4294967296	4294967296	2097152	passed

Result: Kernel parameter check passed for "shmall"

Check: Kernel parameter for "file-max"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	6815744	6815744	6815744	passed
ol6-agrac-rac1	6815744	6815744	6815744	passed

Result: Kernel parameter check passed for "file-max"

Check: Kernel parameter for "ip_local_port_range"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	between 9000.0 & 65500.0	between 9000.0 & 65500.0	between 9000.0 & 65500.0	passed
ol6-agrac-rac1	between 9000.0 & 65500.0	between 9000.0 & 65500.0	between 9000.0 & 65500.0	passed

Result: Kernel parameter check passed for "ip_local_port_range"

Check: Kernel parameter for "rmem_default"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	262144	262144	262144	passed
ol6-agrac-rac1	262144	262144	262144	passed

Result: Kernel parameter check passed for "rmem_default"

Check: Kernel parameter for "rmem_max"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	4194304	4194304	4194304	passed
ol6-agrac-rac1	4194304	4194304	4194304	passed

Result: Kernel parameter check passed for "rmem_max"

Check: Kernel parameter for "wmem_default"

Node Name	Current	Configured	Required	Status
ol6-agrac-rac2	262144	262144	262144	passed
ol6-agrac-rac1	262144	262144	262144	passed

Result: Kernel parameter check passed for "wmem_default"

Check: Kernel parameter for "wmem_max"

Node Name	Current	Configured	Required	Status
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- -----
  ol6-agrac-rac2      1048586      1048586      1048576      passed
  ol6-agrac-rac1      1048586      1048586      1048576      passed
Result: Kernel parameter check passed for "wmem_max"

```

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Check: Kernel parameter for "aio-max-nr"
  Node Name      Current      Configured      Required      Status
  Comment
-----
- -----
  ol6-agrac-rac2      1048576      1048576      1048576      passed
  ol6-agrac-rac1      1048576      1048576      1048576      passed
Result: Kernel parameter check passed for "aio-max-nr"

```

```

Check: Package existence for "binutils"
  Node Name      Available      Required
  Status
-----
-----
  ol6-agrac-rac2  binutils-2.20.51.0.2-5.36.el6  binutils-2.20.51.0.2
passed
  ol6-agrac-rac1  binutils-2.20.51.0.2-5.36.el6  binutils-2.20.51.0.2
passed
Result: Package existence check passed for "binutils"

```

```

Check: Package existence for "compat-libcap1"
  Node Name      Available      Required
  Status
-----
-----
  ol6-agrac-rac2  compat-libcap1-1.10-1      compat-libcap1-1.10
passed
  ol6-agrac-rac1  compat-libcap1-1.10-1      compat-libcap1-1.10
passed
Result: Package existence check passed for "compat-libcap1"

```

```

Check: Package existence for "compat-libstdc++-33(x86_64)"
  Node Name      Available      Required
  Status
-----
-----
  ol6-agrac-rac2  compat-libstdc++-33(x86_64)-3.2.3-69.el6  compat-
libstdc++-33(x86_64)-3.2.3  passed
  ol6-agrac-rac1  compat-libstdc++-33(x86_64)-3.2.3-69.el6  compat-
libstdc++-33(x86_64)-3.2.3  passed
Result: Package existence check passed for "compat-libstdc++-33(x86_64)"

```

```

Check: Package existence for "libgcc(x86_64)"
  Node Name      Available      Required
  Status
-----
-----
  ol6-agrac-rac2  libgcc(x86_64)-4.4.7-4.el6  libgcc(x86_64)-4.4.4
passed
  ol6-agrac-rac1  libgcc(x86_64)-4.4.7-4.el6  libgcc(x86_64)-4.4.4
passed
Result: Package existence check passed for "libgcc(x86_64)"

```


Check: Package existence for "libstdc++(x86_64)"

Node Name	Available	Required
ol6-agrac-rac2	libstdc++(x86_64)-4.4.7-4.el6	libstdc++(x86_64)-4.4.4
ol6-agrac-rac1	libstdc++(x86_64)-4.4.7-4.el6	libstdc++(x86_64)-4.4.4

Status

 passed
 passed
 Result: Package existence check passed for "libstdc++(x86_64)"

Check: Package existence for "libstdc++-devel(x86_64)"

Node Name	Available	Required
ol6-agrac-rac2	libstdc++-devel(x86_64)-4.4.7-4.el6	libstdc++-devel(x86_64)-4.4.4
ol6-agrac-rac1	libstdc++-devel(x86_64)-4.4.7-4.el6	libstdc++-devel(x86_64)-4.4.4

Status

 passed
 passed
 Result: Package existence check passed for "libstdc++-devel(x86_64)"

Check: Package existence for "sysstat"

Node Name	Available	Required
ol6-agrac-rac2	sysstat-9.0.4-22.el6	sysstat-9.0.4
ol6-agrac-rac1	sysstat-9.0.4-22.el6	sysstat-9.0.4

Status

 passed
 passed
 Result: Package existence check passed for "sysstat"

Check: Package existence for "gcc"

Node Name	Available	Required
ol6-agrac-rac2	gcc-4.4.7-4.el6	gcc-4.4.4
ol6-agrac-rac1	gcc-4.4.7-4.el6	gcc-4.4.4

Status

 passed
 passed
 Result: Package existence check passed for "gcc"

Check: Package existence for "gcc-c++"

Node Name	Available	Required
ol6-agrac-rac2	gcc-c++-4.4.7-4.el6	gcc-c++-4.4.4
ol6-agrac-rac1	gcc-c++-4.4.7-4.el6	gcc-c++-4.4.4

Status

 passed
 passed
 Result: Package existence check passed for "gcc-c++"

Check: Package existence for "ksh"

Node Name	Available	Required
ol6-agrac-rac2	ksh-20120801-10.el6	ksh-20100621
ol6-agrac-rac1	ksh-20120801-10.el6	ksh-20100621

Result: Package existence check passed for "ksh"

Check: Package existence for "make"

Node Name	Available	Required
ol6-agrac-rac2	make-3.81-20.el6	make-3.81
ol6-agrac-rac1	make-3.81-20.el6	make-3.81

Result: Package existence check passed for "make"

Check: Package existence for "glibc(x86_64)"

Node Name	Available	Required
ol6-agrac-rac2	glibc(x86_64)-2.12-1.132.el6	glibc(x86_64)-2.12
ol6-agrac-rac1	glibc(x86_64)-2.12-1.132.el6	glibc(x86_64)-2.12

Result: Package existence check passed for "glibc(x86_64)"

Check: Package existence for "glibc-devel(x86_64)"

Node Name	Available	Required
ol6-agrac-rac2	glibc-devel(x86_64)-2.12-1.132.el6	glibc-devel(x86_64)-2.12
ol6-agrac-rac1	glibc-devel(x86_64)-2.12-1.132.el6	glibc-devel(x86_64)-2.12

Result: Package existence check passed for "glibc-devel(x86_64)"

Check: Package existence for "libaio(x86_64)"

Node Name	Available	Required
ol6-agrac-rac2	libaio(x86_64)-0.3.107-10.el6	libaio(x86_64)-0.3.107
ol6-agrac-rac1	libaio(x86_64)-0.3.107-10.el6	libaio(x86_64)-0.3.107

Result: Package existence check passed for "libaio(x86_64)"

Check: Package existence for "libaio-devel(x86_64)"

Node Name	Available	Required
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```

-----
-----
  ol6-agraac-rac2  libaio-devel(x86_64)-0.3.107-10.el6  libaio-
devel(x86_64)-0.3.107  passed
  ol6-agraac-rac1  libaio-devel(x86_64)-0.3.107-10.el6  libaio-
devel(x86_64)-0.3.107  passed
Result: Package existence check passed for "libaio-devel(x86_64)"

```

Checking for multiple users with UID value 0
Result: Check for multiple users with UID value 0 passed

Check: Current group ID
Result: Current group ID check passed

Starting check for consistency of primary group of root user

Node Name	Status
ol6-agraac-rac2	passed
ol6-agraac-rac1	passed

Check for consistency of root user's primary group passed

Starting Clock synchronization checks using Network Time Protocol(NTP)...

NTP Configuration file check started...
Network Time Protocol(NTP) configuration file not found on any of the nodes. Oracle Cluster Time Synchronization Service(CTSS) can be used instead of NTP for time synchronization on the cluster nodes
No NTP Daemons or Services were found to be running

Result: Clock synchronization check using Network Time Protocol(NTP) passed

Checking Core file name pattern consistency...
Core file name pattern consistency check passed.

Checking to make sure user "oracle" is not in "root" group

Node Name	Status	Comment
ol6-agraac-rac2	passed	does not exist
ol6-agraac-rac1	passed	does not exist

Result: User "oracle" is not part of "root" group. Check passed

Check default user file creation mask

Node Name	Available	Required
ol6-agraac-rac2	0022	0022
ol6-agraac-rac1	0022	0022

Result: Default user file creation mask check passed

Checking consistency of file "/etc/resolv.conf" across nodes

Checking the file "/etc/resolv.conf" to make sure only one of domain and search entries is defined

```

File "/etc/resolv.conf" does not have both domain and search entries
defined
Checking if domain entry in file "/etc/resolv.conf" is consistent across
the nodes...
domain entry in file "/etc/resolv.conf" is consistent across nodes
Checking if search entry in file "/etc/resolv.conf" is consistent across
the nodes...
search entry in file "/etc/resolv.conf" is consistent across nodes
Checking file "/etc/resolv.conf" to make sure that only one search entry
is defined
All nodes have one search entry defined in file "/etc/resolv.conf"
Checking all nodes to make sure that search entry is "localdomain" as
found on node "ol6-agrac-rac2"
All nodes of the cluster have same value for 'search'
Checking DNS response time for an unreachable node
Node Name                               Status
-----
ol6-agrac-rac2                          passed
ol6-agrac-racl                          passed
The DNS response time for an unreachable node is within acceptable limit
on all nodes

File "/etc/resolv.conf" is consistent across nodes

Check: Time zone consistency
Result: Time zone consistency check passed

Pre-check for cluster services setup was successful.

```