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Oracle Cluster Verification Utility
Windows README File

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1. Availability of CVU

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The Cluster Verification Utility (CVU) was first released in Oracle Clusterware 10g Release 2. The CVU is available in following three forms:

- 1) Installed in Oracle Clusterware home
- 2) Available in Oracle Clusterware DVD as packaged version
- 3) Available in Oracle Technology Network (OTN)

CVU is backward compatible to all the previous Oracle Clusterware releases up to 10g Release 1. This version of CVU available at OTN supports 10g Release 1, 10g Release 2 and 11g for Oracle Clusterware and Oracle RAC products.

For each verification command that supports the optional `-r` option to specify the supported Oracle release, the default release is assumed to be 11gR1 if `-r` option is not specified. To perform verifications for any previous release, `'-r 10gR1'` or `'-r 10gR2'` must be specified. If the verifications are to be performed for a specific release earlier than 11gR1 then use of `-r` option can be avoided by setting the intended release value (10gR1 or 10gR2) for `CV_ORACLE_RELEASE` property in CVU's configuration file (located under `<CVU installation root dir>/cv/admin` directory).

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2. CVU installation from OTN

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Here is how one can install CVU from a zip file (`cvupack.zip`) downloaded from OTN:

1. Create a CVhome(say `C:\username\mycvhome`) directory. It should have at least 100M of free disk space.
2. Unzip `cvupack.zip` into `<CVhome>` directory.
3. Set (optionally) the environmental variable `CV_DESTLOC`. This should point to a writable area on `*all*` nodes. When invoked, the tool will attempt to copy the necessary bits as required to this location. Make sure the location exists on all nodes and it has write permission for CVU user. It is recommended that you should set this variable. If this variable has not been set, CVU will use `"C:\tmp"` as the default.
4. Run `cluvfy` from `<CVhome>\bin` directory. To verify, typically run `C:\username\mycvhome\bin\cluvfy`. This should show the usage.

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3. References

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For detailed information on using CVU, refer to:

Oracle Clusterware Installation Guide 11g Release 1
Oracle Real Application Clusters Installation Guide 11g Release 1
Oracle Clusterware Administration and Deployment Guide 11g Release 1

For queries on CVU, refer to:

CVU FAQ on OTN site

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4. Enhancements
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1. The execution of cluvfy doesn't need the specific JDK to be installed on the system. The CVU software bundle (cvupack.zip) carries with it the JDK that is compatible with cluvfy.
2. The execution of cluvfy doesn't need the environment variables CV_HOME and CV_JDKHOME to be set.
3. The user equivalence is not required to be setup to the local node itself for performing a local node verification (identified as a cluvfy command without the use of -n option).
4. With invoked with -verbose option, the node connectivity check provides the details of default gateway also.