Overview

CVU can verify the primary cluster components during an operational phase or stage. A component can be basic, such as free disk space, or it can be complex, such as checking Oracle Clusterware integrity. For example, CVU can verify multiple Oracle Clusterware subcomponents across Oracle Clusterware layers. Additionally, CVU can check disk space, memory, processes, and other important cluster components. A stage could be, for example, database installation, for which CVU can verify whether your system meets the criteria for an Oracle Real Application Clusters (Oracle RAC) installation. Other stages include the initial hardware setup and the establishing of system requirements through the fully operational cluster setup.

[Table A-1](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CACDECEB) lists verifications you can perform using CVU.

***Table A-1 Performing Various CVU Verifications***

|  |  |
| --- | --- |
| **Verification to Perform** | **CVU Commands to Use** |
| System requirements verification | [cluvfy comp sys](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20BEHHHICG) |
| Oracle ACFS verification | [cluvfy stage [-pre | -post] cfs](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGFBDCD) |
| Storage verifications | * + [cluvfy comp cfs](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20i997040)   + [cluvfy comp space](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGJCCIJ)   + [cluvfy comp ssa](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGDBBII)   + [cluvfy stage [-pre | -post] acfscfg](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CACIFFAC) |
| Network verification |  |
| Connectivity verifications | * + [cluvfy comp nodecon](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGCJAGA) |
| Cluster Time Synchronization Services verification | [cluvfy comp clocksync](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CACJEGGE) |
| User and Permissions verification | [cluvfy comp admprv](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20BEHFJFDG) |
| Node comparison and verification | [cluvfy comp peer](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20BEHFGAHE) |
| Installation verification | * + [cluvfy stage -pre dbcfg](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGCFFJG)   + [cluvfy stage -pre dbinst](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGGEADI)   + [cluvfy stage [-pre | -post] crsinst](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGDEEEJ)   + [cluvfy stage [-pre | -post] hacfg](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGEIIJH)   + [cluvfy stage [-pre | -post] nodeadd](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGBHBFD) |
| Deletion verification | [cluvfy stage -post nodedel](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CACFEIHC) |
| Cluster Integrity verification | [cluvfy comp clu](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGHADDH) |
| Oracle Clusterware and Oracle ASM Component verifications | * + [cluvfy comp acfs](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGCDHJH)   + [cluvfy comp asm](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CACJGCBC)   + [cluvfy comp clumgr](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGHJHFE)   + [cluvfy comp crs](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGEGEJA)   + [cluvfy comp dhcp](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20BABJDEIC)   + [cluvfy comp dns](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20BABJDFAD)   + [cluvfy comp gns](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGBCBHA)   + [cluvfy comp gpnp](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGEIGGI)   + [cluvfy comp ha](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGJEDGG)   + [cluvfy comp nodeapp](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGJHCBC)   + [cluvfy comp ocr](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGDFIEH)   + [cluvfy comp ohasd](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGJGIEF)   + [cluvfy comp olr](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGDDGAE)   + [cluvfy comp scan](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGGFAGF)   + [cluvfy comp software](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CJGIIBIG)   + [cluvfy comp vdisk](https://docs.oracle.com/cd/E11882_01/rac.112/e41959/cvu.htm%20/l%20CACEAJCH) |