**In this Document**

[Click to collapse](https://docs.oracle.com/database/121/RACAD/toc.htm)

[11 Adding and Deleting Oracle RAC from Nodes on Windows Systems](https://docs.oracle.com/database/121/RACAD/adddelwin.htm#CHDFAEJB)

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|  | [Community Discussions](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=170458471604151&amp;parent=DOCUMENT&amp;sourceId=1262925.1&amp;id=1332451.1&amp;_afrWindowMode=0&amp;_adf.ctrl-state=j4fsb0nvf_224#aref_section217) |

**Applies to:**

Oracle Database - Enterprise Edition - Version 10.2.0.1 and later  
 Information in this document applies to any platform.

**Purpose**

This note provides procedure to add a node, remove a node or add an instance, remove an instance in 10gR2, 11gR1, 11gR2 and 12c Oracle Clusterware (CRS or Grid Infrastructure) and RAC.

**Details**

**10gR2**

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 The complete list is in the following document:  
  
[Oracle Database Oracle Clusterware and Oracle Real Application Clusters Administration and Deployment Guide 10g Release 2 (10.2)](https://support.oracle.com/epmos/main/downloadattachmentprocessor?parent=DOCUMENT&amp;sourceId=1332451.1&amp;attachid=1332451.1:10G&amp;clickstream=yes)

[**10 Adding and Deleting Nodes and Instances on UNIX-Based Systems**](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEICADHD)

[Cloning Oracle Clusterware and Oracle RAC Software in Grid Environments](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#CEGCBBHI)

[Quick-Start Node and Instance Addition and Deletion Procedures](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIFBJJA)

[Adding an Oracle Clusterware Home to a New Node](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIHHFAG)

[Adding an Oracle Clusterware Home to a New Node Using OUI in Interactive Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIGBAII)

[Adding an Oracle Clusterware Home to a New Node Using OUI in Silent Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIDFGEI)

[Adding an Oracle Home with Oracle RAC to a New Node](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEICJBDE)

[Adding an Oracle Home with Oracle RAC to a New Node Using OUI in Interactive Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIBBADI)

[Adding an Oracle Home with Oracle RAC to a New Node Using OUI in Silent Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIJFHBF)

[Deleting an Oracle Home with Oracle RAC from an Existing Node](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIEEAFC)

[Deleting an Oracle Home with Oracle RAC Using OUI in Interactive Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEICCEGD)

[Deleting an Oracle Home with Oracle RAC Using OUI in Silent Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIHHIBB)

[Deleting an Oracle Clusterware Home from an Existing Node](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIFDCAF)

[Deleting an Oracle Clusterware Home Using OUI in Interactive Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIJCIGB)

[Deleting an Oracle Clusterware Home Using OUI in Silent Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIGEIFJ)

[Detailed Node and Instance Addition and Deletion Procedures](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIJAJHH)

[Overview of Node Addition Procedures](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#CIHJCDHB)

[Step 1: Connecting New Nodes to the Cluster](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#CHDCECBD)

[Step 2: Extending Clusterware and Oracle Software to New Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#i1041968)

[Step 3: Preparing Storage on New Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#CHDBCIAJ)

[Step 4: Adding Nodes at the Oracle RAC Database Layer](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#CHDDGAHC)

[Step 5: Adding Database Instances to New Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIFIBIB)

[Adding Nodes that Already Have Clusterware and Oracle Software to a Cluster](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BABCGBJD)

[Overview of Node Deletion Procedures](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#CEGGABDG)

[Step 1: Deleting Instances from Oracle Real Application Clusters Databases](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#CEGIEDFF)

[Step 2: Deleting Nodes from Oracle Real Application Clusters Databases](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BEIJGIJG)

[Step 3: ASM Instance Clean-Up Procedures for Node Deletion](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelunix.htm#BBCDFACI)

[**11 Adding and Deleting Nodes and Instances on Windows-Based Systems**](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CHDFAEJB)

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[Adding an Oracle Clusterware Home to a New Node](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CHDCBGDG)

[Adding an Oracle Clusterware Home to a New Node Using OUI in Interactive Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIJFDCE)

[Adding an Oracle Clusterware Home to a New Node Using OUI in Silent Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIHGHGE)

[Adding an Oracle Home with Oracle RAC to a New Node](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CHDGEDAA)

[Adding an Oracle Home with Oracle RAC to a New Node Using OUI in Interactive Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIEDHEE)

[Adding an Oracle Home with Oracle RAC to a New Node Using OUI in Silent Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIFFAJA)

[Deleting an Oracle Home with Oracle RAC from an Existing Node](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIFIJBB)

[Deleting an Oracle Home with Oracle RAC Using OUI in Interactive Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIDGIGG)

[Deleting an Oracle Home with Oracle RAC Using OUI in Silent Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIBFDJJ)

[Deleting an Oracle Clusterware Home from an Existing Node](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIFHFAI)

[Deleting an Oracle Clusterware Home Using OUI in Interactive Mode](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIDAGGD)

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[Detailed Node and Database Instance Addition and Deletion Procedures](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIBFDFJ)

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[Verifying the Installation with the Cluster Verification Utility](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIHGDGH)

[Checking the Installation](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CHDGFJEE)

[Step 2: Extending Oracle Software to New Nodes at the Oracle Clusterware Layer](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEICEEID)

[Step 3: Preparing Storage on New Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIEIHAA)

[Raw Device Storage Preparation for New Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CHDGHACJ)

[Configure Raw Partitions](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CHDEHJBF)

[Step 4: Adding Nodes at the Oracle RAC Database Layer](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIBEEDG)

[Step 5: Adding Database Instances to New Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEIHFCDI)

[Using Enterprise Manager to Add Database Instances to New Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CHDEHGEA)

[Using DBCA in Interactive Mode to Add Database Instances to New Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CHDEDFDG)

[Using DBCA in Silent Mode to Add Database Instances to New Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CHDJAIBI)

[Connecting to iSQL\*Plus after Adding a Node](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#sthref606)

[Adding Nodes that Already Have Clusterware and Oracle Software to a Cluster](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#BEICFEGE)

[Overview of Node Deletion Procedures](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CHDFBFEI)

[Step 1: Deleting Instances from Oracle Real Application Clusters Databases](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#i1041541)

[Using Enterprise Manager to Delete Database Instances from Existing Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CEGDDCBD)

[Using DBCA in Interactive Mode to Delete Database Instances from Existing Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CEGGEAHD)

[Using DBCA in Silent Mode to Delete Instance from Existing Nodes](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CEGJGFBE)

[Step 2: Deleting Nodes from Oracle Real Application Clusters Databases](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CIHBDHHH)

[Step 3: ASM Instance Clean-Up Procedures for Node Deletion](http://download.oracle.com/docs/cd/B19306_01/rac.102/b14197/adddelwin.htm#CCJHEHHA)

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**11gR1**

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 The complete list is in the following document:  
  
[Oracle Clusterware Administration and Deployment Guide 11g Release 1 (11.1)](https://support.oracle.com/epmos/main/downloadattachmentprocessor?parent=DOCUMENT&amp;sourceId=1332451.1&amp;attachid=1332451.1:111OCW&amp;clickstream=yes)[Oracle Real Application Clusters Administration and Deployment Guide 11g Release 1 (11.1)](https://support.oracle.com/epmos/main/downloadattachmentprocessor?parent=DOCUMENT&amp;sourceId=1332451.1&amp;attachid=1332451.1:111RAC&amp;clickstream=yes)

[**4 Adding and Deleting Oracle Clusterware Homes**](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#CHDFIAIE)

[Prerequisite Steps for Adding Oracle Clusterware](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#CHDJFEEA)

[Adding and Deleting Oracle Clusterware Homes on Linux and UNIX Systems](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#CHDDCJCI)

[Adding an Oracle Clusterware Home to a New Node On Linux or UNIX Systems](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#BEIHHFAG)

[Adding an Oracle Clusterware Home to a New Node Using Oracle Universal Installer in Interactive Mode](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#BEIGBAII)

[Adding an Oracle Clusterware Home to a New Node Using Oracle Universal Installer in Silent Mode](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#BEIDFGEI)

[Deleting an Oracle Clusterware Home from a Linux or UNIX System](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#BEIFDCAF)

[Deleting an Oracle Clusterware Home Using Oracle Universal Installer in Interactive Mode](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#BEIJCIGB)

[Deleting an Oracle Clusterware Home from a Node that Cannot Be Accessed](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#CHDGBEFE)

[Adding and Deleting Oracle Clusterware Homes on Windows Systems](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#CHDDHEFF)

[Adding an Oracle Clusterware Home to a Windows System](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#CHDGFJFH)

[Deleting an Oracle Clusterware Home from a Windows System](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#CHDFGCCH)

[Deleting an Oracle Clusterware Home Using Oracle Universal Installer in Interactive Mode](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#BEIDAGGD)

[Deleting an Oracle Clusterware Home Using Oracle Universal Installer in Silent Mode](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28255/adddelclusterware.htm#CHDJJDGA)

[**8 Adding and Deleting Oracle RAC from Nodes on Linux and UNIX Systems**](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#BEICADHD)

[Adding Oracle RAC to Nodes Running Clusterware and Oracle Database](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#BABCGBJD)

[Adding Oracle RAC to Nodes That Do Not Have Clusterware and Oracle Database](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#CEGBACAH)

[Prerequisite Steps for Extending Oracle RAC to Target Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#CHDJFEEA)

[Extend Oracle Clusterware to Target Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#BEICJBDE)

[Configure Shared Storage on Target Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#CHDBCIAJ)

[Add the Oracle Real Application Clusters Database Homes to Target Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#CHDDGAHC)

[Extending the Database Home to Target Nodes Using Oracle Universal Installer in Interactive Mode](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#CEGIBGHE)

[Extending the Database Home to Target Nodes Using Oracle Universal Installer in Silent Mode](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#BEIJFHBF)

[Add ASM and Oracle RAC Database Instances to Target Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#BEIFIBIB)

[Using DBCA in Interactive Mode to Add ASM and Database Instances to Target Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#CEGEJAIH)

[Using DBCA in Silent Mode to Add ASM and Database Instances to Target Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#CEGJFBJA)

[Deleting Cluster Nodes from Oracle Real Application Clusters Environments](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#BEIEEAFC)

[Step 1: Delete Instances from Oracle Real Application Clusters Databases](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#CEGIEDFF)

[Using DBCA in Interactive Mode to Delete Instances from Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#CEGFCBGG)

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[Step 2: Delete Nodes from the Cluster](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelunix.htm#BEIJGIJG)

[**10 Adding and Deleting Nodes and Instances on Windows Systems**](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#CHDFAEJB)

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[Quick-Start Node and Database Instance Addition and Deletion Procedures](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#BEIFEDAB)

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[Adding an Oracle Clusterware Home to a New Node Using Oracle Universal Installer in Interactive Mode](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#BEIJFDCE)

[Adding an Oracle Clusterware Home to a New Node Using Oracle Universal Installer in Silent Mode](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#BEIHGHGE)

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[Adding an Oracle Home with Oracle RAC to a New Node Using Oracle Universal Installer in Interactive Mode](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#BEIEDHEE)

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[Making Physical Connections](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#BEIBGJCH)

[Installing the Operating System](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#BEIDFHBE)

[Verifying the Installation with the Cluster Verification Utility](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#BEIHGDGH)

[Checking the Installation](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#CHDGFJEE)

[Step 2: Extending Oracle Software to New Nodes at the Oracle Clusterware Layer](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#BEICEEID)

[Step 3: Preparing Storage on New Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#BEIEIHAA)

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[Using DBCA in Silent Mode to Add Database Instances to New Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#CHDJAIBI)

[Adding Nodes That Already Have Oracle Clusterware and Oracle Database Software](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#BEICFEGE)

[Overview of Node Deletion Procedures](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#CHDFBFEI)

[Step 1: Deleting Instances from Oracle Real Application Clusters Databases](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#i1041541)

[Using DBCA in Interactive Mode to Delete Database Instances from Existing Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#CEGGEAHD)

[Using DBCA in Silent Mode to Delete Instance from Existing Nodes](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#CEGJGFBE)

[Step 2: Deleting Nodes from Oracle Real Application Clusters Databases](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#CIHBDHHH)

[Step 3: ASM Instance Clean-Up Procedures for Node Deletion](http://download.oracle.com/docs/cd/B28359_01/rac.111/b28254/adddelwin.htm#CCJHEHHA)

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**11gR2**

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 The complete list is in the following document:  
  
[Oracle Clusterware Administration and Deployment Guide 11g Release 2 (11.2)](https://support.oracle.com/epmos/main/downloadattachmentprocessor?parent=DOCUMENT&amp;sourceId=1332451.1&amp;attachid=1332451.1:112OCW&amp;clickstream=yes)[Oracle Real Application Clusters Administration and Deployment Guide 11g Release 2](https://support.oracle.com/epmos/main/downloadattachmentprocessor?parent=DOCUMENT&amp;sourceId=1332451.1&amp;attachid=1332451.1:112RAC&amp;clickstream=yes)

[**4 Adding and Deleting Cluster Nodes**](https://docs.oracle.com/cd/E14795_01/doc/rac.112/e10717/adddelclusterware.htm#CHDFIAIE)

* [Prerequisite Steps for Adding Cluster Nodes](https://docs.oracle.com/cd/E14795_01/doc/rac.112/e10717/adddelclusterware.htm#CHDJFEEA)
* [Adding and Deleting Cluster Nodes on Linux and UNIX Systems](https://docs.oracle.com/cd/E14795_01/doc/rac.112/e10717/adddelclusterware.htm#CHDDCJCI)

* [Adding a Cluster Node on Linux and UNIX Systems](https://docs.oracle.com/cd/E14795_01/doc/rac.112/e10717/adddelclusterware.htm#BEIHHFAG)
* [Deleting a Cluster Node on Linux and UNIX Systems](https://docs.oracle.com/cd/E14795_01/doc/rac.112/e10717/adddelclusterware.htm#BEIFDCAF)

[**10 Adding and Deleting Oracle RAC from Nodes on Linux and UNIX Systems**](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelunix.htm#BEICADHD)

* [Adding Oracle RAC to Nodes with Oracle Clusterware Installed](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelunix.htm#BABCGBJD)

* [Adding Oracle RAC Database Instances to Target Nodes](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelunix.htm#BEIFIBIB)

* [Using DBCA in Interactive Mode to Add Database Instances to Target Nodes](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelunix.htm#CEGEJAIH)
* [Using DBCA in Silent Mode to Add Database Instances to Target Nodes](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelunix.htm#CEGJFBJA)
* [Deleting Oracle RAC from a Cluster Node](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelunix.htm#BEIEEAFC)

* [Deleting Instances from Oracle RAC Databases](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelunix.htm#CEGIEDFF)

* [Using DBCA in Interactive Mode to Delete Instances from Nodes](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelunix.htm#CEGFCBGG)
* [Using DBCA in Silent Mode to Delete Instances from Nodes](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelunix.htm#CEGHGFAA)
* [Removing Oracle RAC](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelunix.htm#CEGHEHGA)
* [Deleting Nodes from the Cluster](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelunix.htm#BEIJGIJG)

[**11 Adding and Deleting Oracle RAC from Nodes on Windows Systems**](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelwin.htm#CHDFAEJB)

* [Adding Oracle RAC to Nodes with Oracle Clusterware Installed](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelwin.htm#CHDCAHJB)

* [Adding Oracle RAC Database Instances to Target Nodes](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelwin.htm#CHDCFHHJ)

* [Using DBCA in Interactive Mode to Add Database Instances to Target Nodes](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelwin.htm#CHDIFJEB)
* [Using DBCA in Silent Mode to Add Database Instances to Target Nodes](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelwin.htm#CHDFIFCC)
* [Deleting Oracle RAC from a Cluster Node](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelwin.htm#CHDFADDA)

* [Deleting Instances from Oracle RAC Databases](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelwin.htm#CHDFIBBD)

* [Using DBCA in Interactive Mode to Delete Instances from Nodes](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelwin.htm#CEGGEAHD)
* [Using DBCA in Silent Mode to Delete Instances from Nodes](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelwin.htm#CHDECDHI)
* [Removing Oracle RAC](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelwin.htm#CHDJGFBA)
* [Deleting Nodes from the Cluster](https://docs.oracle.com/cd/E18283_01/rac.112/e16795/adddelwin.htm#CHDFEADF)

**12cR1**

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 The complete list is in the following document:  
  
[Oracle Clusterware Administration and Deployment Guide 12c Release 1 (12.1)](https://support.oracle.com/epmos/main/downloadattachmentprocessor?parent=DOCUMENT&amp;sourceId=1332451.1&amp;attachid=1332451.1:12.1CLU&amp;clickstream=yes)[Oracle Real Application Clusters Administration and Deployment Guide 12c Release\_1](https://support.oracle.com/epmos/main/downloadattachmentprocessor?parent=DOCUMENT&amp;sourceId=1332451.1&amp;attachid=1332451.1:12.1RAC&amp;clickstream=yes)    
  

[Click to collapse](https://docs.oracle.com/database/121/CWADD/toc.htm)

[**7 Adding and Deleting Cluster Nodes**](https://docs.oracle.com/database/121/CWADD/adddelclusterware.htm#CHDFIAIE)

* [Prerequisite Steps for Adding Cluster Nodes](https://docs.oracle.com/database/121/CWADD/adddelclusterware.htm#CHDJFEEA)
* [Adding and Deleting Cluster Nodes on Linux and UNIX Systems](https://docs.oracle.com/database/121/CWADD/adddelclusterware.htm#CHDDCJCI)

* [Adding a Cluster Node on Linux and UNIX Systems](https://docs.oracle.com/database/121/CWADD/adddelclusterware.htm#BEIHHFAG)
* [Deleting a Cluster Node on Linux and UNIX Systems](https://docs.oracle.com/database/121/CWADD/adddelclusterware.htm#BEIFDCAF)
* [Adding and Deleting Cluster Nodes on Windows Systems](https://docs.oracle.com/database/121/CWADD/adddelclusterware.htm#CHDDHEFF)

* [Adding a Node to a Cluster on Windows Systems](https://docs.oracle.com/database/121/CWADD/adddelclusterware.htm#CHDGFJFH)
* [Deleting a Cluster Node on Windows Systems](https://docs.oracle.com/database/121/CWADD/adddelclusterware.htm#CHDFGCCH)

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[**10 Adding and Deleting Oracle RAC from Nodes on Linux and UNIX Systems**](https://docs.oracle.com/database/121/RACAD/adddelunix.htm#BEICADHD)

* [Adding Oracle RAC to Nodes with Oracle Clusterware Installed](https://docs.oracle.com/database/121/RACAD/adddelunix.htm#BABCGBJD)

* [Adding Policy-Managed Oracle RAC Database Instances to Target Nodes](https://docs.oracle.com/database/121/RACAD/adddelunix.htm#CEGCAGGB)
* [Adding Administrator-Managed Oracle RAC Database Instances to Target Nodes](https://docs.oracle.com/database/121/RACAD/adddelunix.htm#BEIFIBIB)

* [Using DBCA in Interactive Mode to Add Database Instances to Target Nodes](https://docs.oracle.com/database/121/RACAD/adddelunix.htm#CEGEJAIH)
* [Deleting Oracle RAC from a Cluster Node](https://docs.oracle.com/database/121/RACAD/adddelunix.htm#BEIEEAFC)

* [Deleting Instances from Oracle RAC Databases](https://docs.oracle.com/database/121/RACAD/adddelunix.htm#CEGIEDFF)

* [Using DBCA in Interactive Mode to Delete Instances from Nodes](https://docs.oracle.com/database/121/RACAD/adddelunix.htm#CEGFCBGG)
* [Removing Oracle RAC](https://docs.oracle.com/database/121/RACAD/adddelunix.htm#CEGHEHGA)
* [Deleting Nodes from the Cluster](https://docs.oracle.com/database/121/RACAD/adddelunix.htm#BEIJGIJG)

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[**11 Adding and Deleting Oracle RAC from Nodes on Windows Systems**](https://docs.oracle.com/database/121/RACAD/adddelwin.htm#CHDFAEJB)

* [Adding Oracle RAC to Nodes with Oracle Clusterware Installed](https://docs.oracle.com/database/121/RACAD/adddelwin.htm#CHDCAHJB)

* [Adding Administrator-Managed Oracle RAC Database Instances to Target Nodes](https://docs.oracle.com/database/121/RACAD/adddelwin.htm#CHDCFHHJ)

* [Using DBCA in Interactive Mode to Add Database Instances to Target Nodes](https://docs.oracle.com/database/121/RACAD/adddelwin.htm#CHDIFJEB)
* [Deleting Oracle RAC from a Cluster Node](https://docs.oracle.com/database/121/RACAD/adddelwin.htm#CHDFADDA)

* [Deleting Instances from Oracle RAC Databases](https://docs.oracle.com/database/121/RACAD/adddelwin.htm#CHDFIBBD)

* [Using DBCA in Interactive Mode to Delete Instances from Nodes](https://docs.oracle.com/database/121/RACAD/adddelwin.htm#CEGGEAHD)
* [Removing Oracle RAC](https://docs.oracle.com/database/121/RACAD/adddelwin.htm#CHDJGFBA)
* [Deleting Nodes from the Cluster](https://docs.oracle.com/database/121/RACAD/adddelwin.htm#CHDFEADF)