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| **数据库** **升级/降级** **兼容性矩阵** **(Doc ID 1577660.1)** | [IMG_256](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4%26_afrLoop=187427257119372%20/o%20To%20Bottom)  [To Bottom](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\o To Bottom) | IMG_257 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **文档内容**   |  |  | | --- | --- | |  | [用途](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l PURPOSE) |  |  |  | | --- | --- | |  | [适用范围](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l SCOPE) |  |  |  | | --- | --- | |  | [详细信息](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l BODYTEXT) |  |  |  | | --- | --- | |  | [升级到12.2.x的升级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section31) |  |  |  | | --- | --- | |  | [升级到12.1.x的升级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section32) |  |  |  | | --- | --- | |  | [升级到11.2.x的升级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section33) |  |  |  | | --- | --- | |  | [升级到11.1.x的升级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section34) |  |  |  | | --- | --- | |  | [升级到10.2.x的升级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section35) |  |  |  | | --- | --- | |  | [升级到10.1.x的升级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section36) |  |  |  | | --- | --- | |  | [升级到9.2.x的升级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section37) |  |  |  | | --- | --- | |  | 从12.1.x降级的降级兼容性矩阵 |  |  |  | | --- | --- | |  | [从11.2.x降级的降级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section39) |  |  |  | | --- | --- | |  | [从11.1.x降级的降级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section310) |  |  |  | | --- | --- | |  | [从10.2.x降级的降级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section311) |  |  |  | | --- | --- | |  | [从10.1.x降级的降级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section312) |  |  |  | | --- | --- | |  | [从9.2.x降级的降级兼容性矩阵](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=45tohhd0e_4&_afrLoop=187427257119372 \\l aref_section313) |   IMG_258 **适用于:** Oracle Database - Enterprise Edition - 版本 9.2.0.1 和更高版本  本文档所含信息适用于所有平台 **用途** 这篇文档总结了Oracle数据库升级和降级的兼容性矩阵。 **适用范围** 信息适用于Oracle Database Server 9.2.0 及更高版本，为DBA以及负责数据库升级和降级的相关人员提供帮助。 **详细信息** 升级   **升级到12.2.x的升级兼容性矩阵**                                                                                                 能够直接升级到Oracle 12c Release 2的数据库最小版本     |  |  | | --- | --- | | **源库** | **目标库** |  |  |  | | --- | --- | | 11.2.0.3 / 11.2.0.4 | 12.2.x | | 12.1.0.1 / 12.1.0.2 | 12.2.x |                                                                                                                         以下的数据库版本需要间接升级   |  |  |  | | --- | --- | --- | | **源库** | **升级路径** | **目标库** | | 11.2.0.2 | --> 11.2.0.4/12.1.0.2 --> | 12.2.x | | 11.2.0.1 | --> 11.2.0.4 --> | 12.2.x | | 11.1.0.7 | --> 11.2.0.4/12.1.0.2 --> | 12.2.x | | 11.1.0.6 | --> 11.2.0.4 --> | 12.2.x | | 10.2.0.5 | --> 11.2.0.4/12.1.0.2 --> | 12.2.x | | 10.2.0.2 /10.2.0.3/10.2.0.4 | --> 11.2.0.4 --> | 12.2.x | | 10.2.0.1 | --> 10.2.0.5 -->   11.2.0.4/12.1.0.2 --> | 12.2.x | | 10.1.0.5 | --> 11.2.0.4 --> | 12.2.x | | 10.1.0.4(或更低版本) | --> 10.2.0.5 --> 11.2.0.4/12.1.0.2 --> | 12.2.x | | 9.2.0.8 | --> 11.2.0.4 --> | 12.2.x | | 9.2.0.7(或更低版本) | -->   9.2.0.8 --> 11.2.0.4 --> | 12.2.x |      **升级到12.1.x的升级兼容性矩阵**   能够直接升级到Oracle 12c Release 1的数据库最小版本     |  |  | | --- | --- | | **源数据库** | **目标数据库** | | 10.2.0.5 | 12.1.x | | 11.1.0.7 | 12.1.x | | 11.2.0.2 (或更高版本) | 12.1.x |     以下的数据库版本需要间接升级。     |  |  |  | | --- | --- | --- | | **源数据库** | **升级路径** | **目标数据库** | | 11.2.0.1 | => 11.2.0.2 或更高版本 => | 12.1.x | | 11.1.0.6 | => 11.1.0.7 or 11.2.0.2 或更高版本 => | 12.1.x | | 10.2.0.4 (或更低版本) | => 10.2.0.5 或之后的直接升级版本 => | 12.1.x | | 10.1.0.5 (或更低版本) | => 10.2.0.5 或之后的直接升级版本 => | 12.1.x | | 9.2.0.8 (或更低版本) | => 9.2.0.8 --> 11.2.0.2 或更高版本 => | 12.1.x |    **升级到11.2.x的升级兼容性矩阵** 能够直接升级到Oracle 11g Release 2的数据库最小版本     |  |  | | --- | --- | | **源数据库** | **目标数据库** | | 9.2.0.8   (或更高版本) | 11.2.x | | 10.1.0.5 (或更高版本) | 11.2.x | | 10.2.0.2 (或更高版本) | 11.2.x | | 11.1.0.6 (或更高版本) | 11.2.x |     以下的数据库版本需要间接升级。     |  |  |  | | --- | --- | --- | | **源数据库** | **升级路径** | **目标数据库** | | 7.3.3 (或更低版本) | => 7.3.4.0 => 9.2.0.8 => | 11.2.x | | 8.0.5 (或更低版本) | => 8.0.6.x => 9.2.0.8 => | 11.2.x | | 8.1.7 (或更低版本) | => 8.1.7.4 => 10.2.0.4 => | 11.2.x | | 9.0.1.3 (或更低版本) | => 9.0.1.4 => 10.2.0.4 => | 11.2.x | | 9.2.0.7 (或更低版本) | => 9.2.0.8 => | 11.2.x |     更多信息，请参阅以下链接:  [http://docs.oracle.com/cd/E11882\_01/server.112/e23633/preup.htm#UPGRD12358](http://docs.oracle.com/cd/E11882_01/server.112/e23633/preup.htm /l UPGRD12358)  （以上链接会定向到Oracle Technology Network，需要OTN的用户名和密码进行访问） **升级到11.1.x的升级兼容性矩阵** 能够直接升级到Oracle 11g Release 1的数据库最小版本     |  |  | | --- | --- | | **源数据库** | **目标数据库** | | 9.2.0.4   (或更高版本) | 11.1.x | | 10.1.0.2 (或更高版本) | 11.1.x | | 10.2.0.1 (或更高版本) | 11.1.x |     以下版本的数据库需要间接升级。     |  |  |  | | --- | --- | --- | | **源数据库** | **升级路径** | **目标数据库** | | 7.3.3 (或更低版本) | => 7.3.4.0 => 9.2.0.8 => | 11.1.x | | 8.0.5 (或更低版本) | => 8.0.6.x => 9.2.0.8 => | 11.1.x | | 8.1.7 (或更低版本) | => 8.1.7.4 => 9.2.0.8 => | 11.1.x | | 9.0.1.3 (或更低版本) | => 9.0.1.4 => 9.2.0.8 => | 11.1.x | | 9.2.0.3 (或更低版本 | => 9.2.0.4.0 => | 11.1.x |     更多信息，请参阅以下链接:  [http://download.oracle.com/docs/cd/B28359\_01/server.111/b28300/preup.htm#CEGEIBHC](http://download.oracle.com/docs/cd/B28359_01/server.111/b28300/preup.htm /l CEGEIBHC)  (以上链接会定向到Oracle Technology Network，需要OTN的用户名和密码进行访问)  **升级到10.2.x的升级兼容性矩阵** 能够直接升级到10.2.x的数据库最小版本   |  |  | | --- | --- | | **源数据库** | **目标数据库** | | 8.1.7.4   (或更高版本) | 10.2.x | | 9.0.1.4   (或更高版本) | 10.2.x | | 9.2.0.4   (或更高版本) | 10.2.x | | 10.1.0.2 (或更高版本) | 10.2.x |   以下版本的数据库需要间接升级。   |  |  |  | | --- | --- | --- | | **源数据库** | **升级路径** | **目标数据库** | | 7.3.3 (或更低版本) | => 7.3.4 => 8.1.7 =>8.1.7.4 => | 10.2.x | | 7.3.4 (或更低版本) | =>8.1.7 => 8.1.7.4 => | 10.2.x | | 8.0.n (或更低版本) | =>8.1.7 => 8.1.7.4 => | 10.2.x | | 8.1.n (或更低版本) | =>8.1.7 => 8.1.7.4 => | 10.2.x |   更多信息，请参阅以下链接:  [http://download.oracle.com/docs/cd/B19306\_01/server.102/b14238/preup.htm#CEGEIBHC](http://download.oracle.com/docs/cd/B19306_01/server.102/b14238/preup.htm /l CEGEIBHC) **升级到10.1.x的升级兼容性矩阵** 能够直接升级到10.1.x的数据库最小版本   |  |  | | --- | --- | | **源数据库** | **目标数据库** | | 8.0.6  (或更高版本) | 10.1.x | | 8.1.7  (或更高版本) | 10.1.x | | 9.0.1 (或更高版本) | 10.1.x | | 9.2.0 (或更高版本) | 10.1.x |   以下版本的数据库需要间接升级。     |  |  |  | | --- | --- | --- | | **源数据库** | **升级路径** | **目标数据库** | | 7.3.4 (或更低版本) | => 8.0.6 => | 10.1.x | | 8.0.5 (或更低版本) | => 8.0.6 => | 10.1.x | | 8.1.6 (或更低版本) | => 8.1.7 => | 10.1.x |     更多信息，请参阅以下链接:  [http://download.oracle.com/docs/cd/B14117\_01/server.101/b10763/preup.htm#CEGEIBHC](http://download.oracle.com/docs/cd/B14117_01/server.101/b10763/preup.htm /l CEGEIBHC) **升级到9.2.x的升级兼容性矩阵** 能够直接升级到9.2.x的数据库最小版本   |  |  | | --- | --- | | **源数据库** | **目标数据库** | | 7.3.4 (或更高版本) | 9.2.x | | 8.0.6 (或更高版本) | 9.2.x | | 8.1.7 (或更高版本) | 9.2.x | | 9.0.1 (或更高版本) | 9.2.x |   以下版本的数据库需要间接升级。     |  |  |  | | --- | --- | --- | | **源数据库** | **升级路径** | **目标数据库** | | 7.3.3 (或更低版本) | => 7.3.4 => | 9.2.x | | 8.0.5 (或更低版本) | => 8.0.6 => | 9.2.x | | 8.1.6 (或更低版本) | => 8.1.7 => | 9.2.x |     更多信息，请参阅以下链接:  [http://download.oracle.com/docs/cd/B10501\_01/server.920/a96530/migprep.htm#1006863](http://download.oracle.com/docs/cd/B10501_01/server.920/a96530/migprep.htm /l 1006863)    **降级**   **从12.1.x降级的降级兼容性矩阵**  |  |  | | --- | --- | | **源数据库** | **可能降级到** | | 12.1.x | 11.1.0.7 | | 12.1.x | 11.2.0.2.0 (或更高版本) |   更多信息，请参阅以下链接:  [http://docs.oracle.com/cd/E16655\_01/server.121/e17642/downgrade.htm#i1010267](http://docs.oracle.com/cd/E16655_01/server.121/e17642/downgrade.htm /l i1010267)  注意：  你不能降级到10.2.0.5因为Oracle Database 12c的最小兼容版本是11.0。  你不能降级一个从Oracle Database Express Edition升级上来的数据库。     **从11.2.x降级的降级兼容性矩阵**  |  |  | | --- | --- | | **源数据库** | **可能降级到** | | 11.2.x | 10.1.0.5.0 (或更高版本) | | 11.2.x | 10.2.0.2.0 (或更高版本) | | 11.2.x | 11.1.0.6.0 (或更高版本) |   更多信息，请参阅以下链接:  [http://docs.oracle.com/cd/E11882\_01/server.112/e23633/downgrade.htm#UPGRD00710](http://docs.oracle.com/cd/E11882_01/server.112/e23633/downgrade.htm /l UPGRD00710)   **从11.1.x降级的降级兼容性矩阵**  |  |  | | --- | --- | | **源数据库** | **可能降级到** | | 11.1.x | 10.1.0.5.0 (或更高版本) | | 11.1.x | 10.2.0.3.0 (或更高版本) |   更多信息，请参阅以下链接:  [http://download.oracle.com/docs/cd/B28359\_01/server.111/b28300/downgrade.htm#i1010243](http://download.oracle.com/docs/cd/B28359_01/server.111/b28300/downgrade.htm /l i1010243)  **从10.2.x降级的降级兼容性矩阵**  |  |  | | --- | --- | | **源数据库** | **可能降级到** | | 10.2.x | 9.2.0.6.0 (或更高版本) | | 10.2.x | 10.1.0.4.0 (或更高版本) |   更多信息，请参阅以下链接:  [http://download.oracle.com/docs/cd/B19306\_01/server.102/b14238/downgrade.htm#i1010243](http://download.oracle.com/docs/cd/B19306_01/server.102/b14238/downgrade.htm /l i1010243)  **从10.1.x降级的降级兼容性矩阵**  |  |  | | --- | --- | | **源数据库** | **可能降级到** | | 10.1.x | 9.2.0.4.0 (或更高版本) |   更多信息，请参阅以下链接:  [http://download.oracle.com/docs/cd/B14117\_01/server.101/b10763/downgrade.htm#i1010243](http://download.oracle.com/docs/cd/B14117_01/server.101/b10763/downgrade.htm /l i1010243) **从9.2.x降级的降级兼容性矩阵**  |  |  | | --- | --- | | **源数据库** | **可能降级到** | | 9.2.x | 9.0.1.3.0 (或更高版本) | | 9.2.x | 8.1.7.3.0 (或更高版本) |   更多信息，请参阅以下链接:  [http://download.oracle.com/docs/cd/B10501\_01/server.920/a96530/downgrad.htm#1008177](http://download.oracle.com/docs/cd/B10501_01/server.920/a96530/downgrad.htm /l 1008177 )  **注意**  **1 :** **如果您在升级后打了某个补丁集，那么将不能降级。**  例如：如果您从9.2.0.6 升级到 10.2.0.1，然后打上了10.2.0.3的补丁集，那么您将不能从10.2.0.3 降级到 9.2.0.6. （只有当您直接升级9.2.0.6 到 10.2.0.3，您才能从10.2.0.3 降级到 9.2.0.6）  **2 :** **您只能降级到和您数据库升级前一样的版本。**  例如：只有您的数据库是从10.2.0.3升级到11.1.0.6的话，才能从11.1.0.6降级到10.2.0.3。如果您创建了新的11.1.0.6数据库，那么您不能将数据库降级到10.2.0.3。而且，如果您直接升级9.2.0.8 到 11.1.0.6，那么您也不能降级到10.2.0.3，因为您的数据库不是从10.2.0.3升级的。  **3 :** **如果数据库参数COMPATIBLE设置为比您升级前数据库版本更高的版本，您将不能做降级。**  例如：如果您从10.2.0.3 升级到 11.1.0.6，之后设置COMPATIBLE 为 11.1.0.6，您不能做降级。而且，如果您从9.2.0.8 直接升级到 11.1.0.6之后设置COMPATIBLE 为10.2.0.1，您也不能做降级。  **4 :** **您不能升级一个发行版的数据库二进制文件到另一个发行版**  例如：您不能升级10.1.0.2.0的二级制文件 到 10.2.0.1.0。发行版必须在一个单独的oracle home下安装。您不能将10.2.0.x安装在任何其他发行版的oracle home下来完成升级。 |