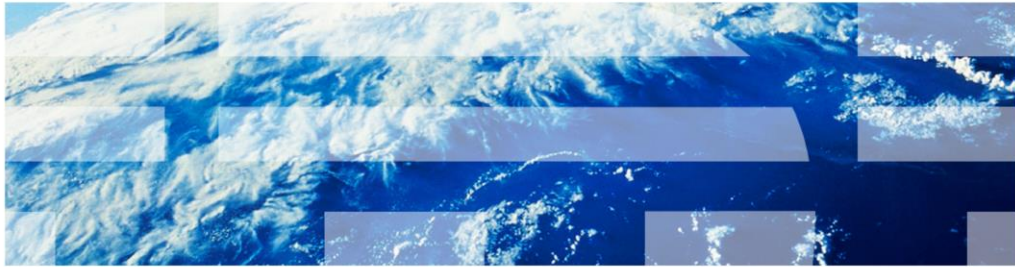


IBM DB2 products

Common licensing issues



This is the Common licensing issues presentation for DB2® products.

Objectives

- Learn mechanics of a license
- Licensing issues

In this presentation, you will learn the mechanics of a license and you will also review some common licensing issues.

Mechanics of a license (1 of 2)

- DB2 license installation does two things
 - An entry added to nodelock file or nodelock file created
 - .lvl file is created in installation path/cfg directory
- .lvl file has same name as base.lic file

When DB2 is installed and a base license is added, two things occur. An entry is added to the nodelock file, or the nodelock file is created if it does not already exist. A .lvl file is created in the installation path/cfg directory. The .lvl file has the same name as the base .lic file so if you have installed DB2 Connect™, the cfg directory will contain a db2cons.vlv file.

Mechanics of a license (2 of 2)

- lvi files indicate to DB2 which products are installed and licenses it should check for
- Entry in nodelock file is license key
- If no entry for a permanent license is found in nodelock file, DB2 is in try and buy mode
- nodelock file may also contain trial licenses for components and products not installed
 - These licenses do not have corresponding lvi file

The .lvi files indicate to DB2 which products are installed and which licensees DB2 should search for. The entry in the nodelock file is the license key itself. If no entry for a permanent license is found in the nodelock file, then DB2 is in try-and-buy mode until it expires. The nodelock file may also contain trial licenses for components and products that are not installed. Unlike the base license, trial licenses do not have a corresponding .lvi file.

Licensing issues

- Sometimes db2licm -l output shows there is also a product with an expired license installed
- If expired license is for a server, DB2 will not start, even if there is a valid server license
- If product required, license needed
 - There are cases where a different and unneeded product is accidentally installed
- When server base license installed accidentally
 - Remove license using -r option

On occasion, the db2licm -l output will show more than one product installed and one of these may be listed as expired. If the expired license is a server license, DB2 will not start even if the second product license is also a server license. If this occurs, install the correct license using db2licm -a. Sometimes a trial license may have been unknowingly installed for a different product. If this is the case, uninstall the license by running the db2licm -r command.

When a server base license is installed by accident, remove it by using the -r option.

Wrong license being installed

- Attempts to install wrong DB2 license for product
- Example:
 - Attempt to install version 9.5 license on version 9.7
 - LIC1407 error returns
- Gather db2level and db2licm -l output
- Sometimes necessary to get license file and confirm it is not corrupt

Another common issue you may encounter is attempting to install the wrong license for the product you are using. For example, you might attempt to install a version 9.5 license on a version 9.7 system. In these cases, DB2 returns an LIC1407 error. When this occurs, gather the db2level and db2licm -l output and provide it to DB2 Support. It may also be necessary to retrieve the license itself to confirm that the license is correct.

Installing the base license more than once

- Often base license is mistaken for permanent license
- License expired error can result in clients installing base license again
- Confirm if re-installing base license by getting name of .lic file
- License file needed to confirm file trying to install

It is also common to mistake the base license for a permanent license and install the base license a second time inadvertently. To check if you have re-installed the base license, it is necessary to provide the name of the .lic file you are using to DB2 Support. The license file is needed to confirm which file you are trying to install.

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