# License Matrix

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IBM TRIRIGA licensing works by granting access to a defined list of TRIRIGA tools, modules, business objects (BOs), or UX models (i.e., the rows in the matrix) for a set of different licenses (i.e., the columns in the matrix). The granted access (i.e., the intersecting cell for a given row/column) is either **full** (i.e., create, read, update, delete), **read-only**, or **none**.

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### I. Builder Tools

The first section of the license matrix lists a set of tools that are license-controlled. For example, the Workflow Builder is listed in this section and is only accessible by a handful of licenses that grant a user access.

# II. UX Models

The second section of the license matrix controls access to UX Models defined in the UX Model Designer. The access defined in this section overrides any access defined at the module or business object level and is used to provide more granular control over UX applications (or apps) that use those UX Models.

# **III. Modules & Business Objects**

The third section of the license matrix controls access at the module and business object level. The most specific level of access is granted at the business object level. If a business object is listed in the matrix, then access to that business object is governed by the values in the matrix: **full access** (indicated by a check mark " $\checkmark$ " or "X"), **read-only** (indicated by the letter "R"), or if left blank, **no access**. These values (even if left blank/no access) override and take priority over any module-level access (defined below).

For business objects that are **not** listed, access may be controlled at the module level. If a module name is included as a row in the matrix, then all objects within that module are license-controlled. Access for business objects in the module not explicitly listed is granted based on the module's access value: **full**, **read-only**, or **none**. If there are no individual business objects listed under a module, then all business objects in that module have the same level of access. Access defined for a module also applies to custom BOs created in that module.

If a module is **not** listed in the matrix, then access to the business objects in that module isn't controlled by a license. If a custom object is created in a module not listed in the matrix, then access to that object will not be restricted by a license. However, if a module that contains the custom object is added to the matrix in a future release, then access to the custom object will be governed by the license access defined for the module.

#### IV. How It Works

Here's an idea of how this works. In this example, the **triRequest** module and several licenses are shown. The "\sqrt" in the first line is the module-level access. This means that the **Cloud Self Service** license provides full CRUD (create, read, update, delete) access to any business objects in that module that aren't listed specifically in the matrix. There are 21 BOs in the triRequest module, but only 12 of those are explicitly listed. So this module-level access for Cloud Self Service provides full access to the 9 BOs not listed. However, the **Portfolio Data Manager** license does **not** have access to those 9 BOs because its module-level access is blank, or no access. If a new BO is created in the triRequest module, the Cloud Self Service license will grant access, but the Portfolio Data Manager license will **not**.

For the BOs listed in the triRequest module, access is defined by the entries for each license. Neither of the above licenses grants access to triCarbonCalculation, so that BO won't be accessible by either license. triBidClarification has full access by the Cloud Self Service license, but no access by the Portfolio Data Manager license. Meanwhile, triDispositionRequest has no access by either license, but has read-only access by **Cloud Approvals and Reporting**.

TRIRIGA administrators can see what access is provided by the licenses they have installed in the **License Manager** in the **Matrix View**, or in the **Admin Console** in the **Licenses** section. An administrator can also choose a user on the left panel to see the license access granted for that specific user.



