**Observation in Upgradation**

1. **Ginkgo.2 to Hawthorn.2**
   1. **Extra table in dump:**

List of extra tables which are present in the sample production data of the Ginkgo.2 that were not in the fresh machine.

| **Table Name** | **Ginkgo.2** | **Hawthorn.2** | **Ironwood.master** |
| --- | --- | --- | --- |
| coursetalk\_coursetalkwidgetconfiguration | 1 | 1 | 1 |
| courseware\_course\_subject | 45 | 45 | 45 |
| courseware\_organization | 4 | 4 | 4 |
| courseware\_subject | 26 | 26 | 26 |
| student\_teammember | 0 | 0 | 0 |

* 1. **Error on the Hawthorn machine:**

To migrate data from old release (Ginkgo) to new release (Hawthorn), we need to drop the database tables used by djcelery. These tables should be empty in Ginkgo data, so it is safe to drop them. The edx-platform application has a management command to check that they are empty and drop them. While dropping the database tables used by djcelery using the management command, errors were received due to the foreign key constraint and some missing tables on the Hawthon.2 in the development environment

django.db.utils.IntegrityError: (1217, 'Cannot delete or update a parent row: a foreign key constraint fails')

**Action Taken:** Ignore

1. **Hawthorn.2 to Ironwood.master**
   1. **auth user:**
   2. The count of the auth\_user table of edxapp database is increased by 1 in the Ironwood.master release.

**Reason:** Extra JWT authenticated user “login\_service\_user” present on the Ironwood.master machine.

**Note**: It is created due to setting in “./edx-platform/lms/envs/common.py” file.

**Database:edxapp**

| **Table Name** | **Hawthorn.2** | **Ironwood.master** |
| --- | --- | --- |
| auth\_user | **n** | **n+1** |

* 1. **ccx:**

The count of the ccx\_ccxfieldoverride table of edxapp database is increased in the Ironwood.master release, while the count of ccx\_customcourseforedx table is the same as in Hawthorn release. The **ccx\_fieldoverride table will have one extra entry per course in the ironwood release.** Whenever the ccx course is created, one entry is created in the ccx\_customcourseforedx table. The ccxcon\_ccxcon table has count 0 in both releases.

In production upgradation, we are expected count of ccx tables in the edxapp database are as follow

**Database:edxapp**

| **Table Name** | **Hawthorn.2** | **Ironwood.master** |
| --- | --- | --- |
| ccx\_ccxfieldoverride | **73** | **74** |
| ccx\_customcourseforedx | 1 | 1 |
| ccxcon\_ccxcon | 0 | 0 |

1. **Observation in production data:**
   1. **Extra table in dump:**

List of tables that were not present in the fresh Hawthorn.2 machine but it is present in the sample migrated Hawthorn.2 data.

| **Table Name** | **Ginkgo.2** | **Hawthorn.2** | **Ironwood.master** |
| --- | --- | --- | --- |
| assessment\_aiclassifier | 0 | 0 | 0 |
| assessment\_aiclassifierset | 0 | 0 | 0 |
| assessment\_aigradingworkflow | 0 | 0 | 0 |
| assessment\_aitrainingworkflow | 0 | 0 | 0 |
| assessment\_aitrainingworkflow\_training\_examples | 0 | 0 | 0 |
| corsheaders\_corsmodel | 0 | 0 | 0 |
| thumbnail\_kvstore | 0 | 0 | 0 |

* 1. **Error on the Ironwood machine:**

To migrate data from old release (Ginkgo) to new release (Hawthorn), we need to drop the database tables used by djcelery. These tables should be empty in Ginkgo data, so it is safe to drop them. The edx-platform application has a management command to check that they are empty and drop them. While dropping the database tables used by djcelery using the management command, errors were received due to the foreign key constraint and some missing tables on the Hawthon.2 in the development environment

django.db.utils.IntegrityError: (1217, 'Cannot delete or update a parent row: a foreign key constraint fails')

**Action Taken:** Ignore

While running the Ironwood ansible migration script which will update your Hawthorn data to be valid for Ironwood, the following Error Occur:

ProgrammingError: (1146, \"Table 'edxapp.content\_type\_gating\_contenttypegatingconfig' doesn't exist\")...

Applying ccx.0006\_set\_display\_name\_as\_override

**Action Taken:** Re-Run migration command.