**Significant Log of The Last Migration and Log for the Upcoming Upgradation**

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# **Upcoming Upgradation**

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# **Additional Documentation**

1. Appendix
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**DryRun Result Ginkgo.2 to Ironwood.master via Hawthorn.2**

1. Result of the DryRun in the production Environment
   1. On the Hawthorn.2 single instance platform
   2. On the Ironwood.master distributed production environment
      1. Command actually run in the DryRun on the Ironwood platform:
      2. Log of the ansible command in the DryRun:

This document consists of the significant observation made during the last upgrade from the Ficus.4 Release. It also provides the upgradation log of a single instance machine of the development setup. Since the Ginkgo release, Openedx has provided the upgrade script for the single instance machine which is useful for the sysad team to use and prepare for the actual data migration. To upgrade data from Ginkgo.2 release to Ironwood.master release via Hawthorn release, the sysad team will use the upgradation log of a single instance machine of the development setup. The Sysad team will run the ansible command.

# 1. Introduction

In the **development environment(test server)**, all the applications are installed with their database on a single instance machine. All these applications have the same git branch of openedx release.

The edx-ansible script code is available in the "/edx/app/edx\_ansible/edx\_ansible" folder in which bash script "util/install/native.sh" or "util/install/sandbox.sh" file is present that are used for upgradation.

The edx-ansible script code calls edx\_sandbox.yml or openedx\_native.yml to accomplish the actual upgradation which is present in the “playbooks” folder of the “/var/tmp/configuration” directory.

**Note :**

In the Ginkgo.2 release, the “/edx/app/edx\_ansible/edx\_ansible/util/install/sandbox.sh” file is used for upgradation, while after the Ginkgo release, the "/edx/app/edx\_ansible/edx\_ansible/util/install/native.sh" file is used.

In the **production environment**, a distributed architecture is used where different applications are installed on different servers.

# 2. Observations during Upgrading from the Ficus.4 Release

As the setup of the production environment is different from the development environment, this section focuses on some significant observations that were made during the upgradation of the Ficus.4 data to the Ginkgo.2 data.

## 2.1 In the production setup

The production setup servers are dependent on available resources, size of databases, the utility of the particular application and the plan of distributed architecture.

**Database Server setup:**

The MongoDB database was stored on a separate server, it had both databases of the MongoDB. MySQL database was distributed on two different servers.

A first MySQL server had the following user databases with the no of tables

| **Database** | **No of tables** | **Remark, if any.** |
| --- | --- | --- |
| discovery | 96 |  |
| ecommerce | 136 |  |
| edxapp | 321 |  |
| edxapp\_csmh | 2 | It was not utilized here. |
| edx\_notes\_api | 10 | A new table found in the production setup. |
| xqueue | 11 |  |
| analytics-api | 0 | A blank database; means it was not used in the live system. |
| dashboard | o | A blank database; means it was not used in the live system. |

A **second** server had the following user databases with the no of tables

| **Database** | **No of tables** | **Remark, if any.** |
| --- | --- | --- |
| edxapp\_csmh | 2 | It was utilized; used from this server.  Courseware Student Module History (CSMH) |

The **courseware\_studentmodulehistory** table of edxapp contains a record for each attempt that learners make to answer problem types that are implemented in the edX platform by the capa\_module XBlock correctly. It has an id column with a type of 32-bit signed integer, and therefore has a maximum capacity of 2,147,483,647 records.

The new database table, **coursewarehistoryextended\_studentmodulehistoryextended**, uses a custom Django field type to give the id column a type of 64-bit unsigned integer, which offers an exponentially larger storage capacity than the **courseware\_studentmodulehistory** table. To balance database load, the **coursewarehistoryextended\_studentmodulehistoryextended** table is created in a new database, **edxapp\_csmh**.

**Application Server setup:**

In the production environment, lms, cms, ansible, xqueue etc were installed on different servers. “GinkgoLMSCMS1” was a hostname of a machine on which lms and cms applications were installed. It was used to drop the database tables used by djcelery(eg. edx@10.80.0.65). But on this machine, there was no “/var/tmp/configuration” directory. Ansible was installed on another machine(eg. edx@10.80.0.41).

**Note**: Please refer to the log in Section 2.1.3.3.1.

### **2.1.1. Dump and Restore data:**

In the first Dry Run, we had two sets of machines for the Ficus.4 (Single machine with the live data) and Ginkgo.2(Fresh distributed machines).To restore the dump approximately 14 Hours were required. In the go-live upgradation process, to reduce the time required for taking data dump and restore it, **we requested to the Sysadmin team that "Restore Ficus.4 live dump on the Ginkgo.2 Fresh machine"**.

In the last upgrade, MySQL dump was restored in approximately 12 Hours and Mongo restored approximately 2 Hours, mostly we had been running the MySQL dump restore command at the end of the day.

### **2.1.2 Dry Run:**

It was the production environment where three test rounds were run for testing the upgrade process. The following are some key observations that were noted during the upgradation of the Ficus.4 data to the Ginkgo.2 data.

#### **2.1.2.1 In Ficus.4 data:**

**In the sample production data upgradation(before the Dry run started),** the character set of edxapp, ecommerce, edxapp\_csmh, xqueue databases were **latin1**, but in production setup it had **utf8.**

“Edx\_notes\_api” was a **new database** found(this was not present in the single instance development machine given to us).

The list of **Missing tables** which had been present in the single instance development machine

| **TABLE\_SCHEMA** | **No. of Tables Required** | **No. of tables found** |
| --- | --- | --- |
| analytics-api | 12 | 0 |
| dashboard | 22 | 0 |
| programs | 22 | 0 |

#### **2.1.2.2 In Ginkgo.2 Fresh data:**

“Edx\_notes\_api” was a **new database** found(this was not present in the single instance development machine given to us).

The list of **Missing tables** which was present in the single instance development machine

| **TABLE\_SCHEMA** | **No. of Tables Required** | **No. of tables found** |
| --- | --- | --- |
| analytics-api | 12 | 0 |
| dashboard | 22 | 0 |
| edxapp\_csmh | 2 | 0 |
| discovery | 103 | 96 |

#### **2.1.2.3 In Ginkgo.2 Migrated data:**

After actual upgradation done through the ansible commands on the Ginkgo.2 machine, following are the few significant observations which had been noted in the upgraded data.

##### **2.1.2.3.1 MySQL Database**

The list of **Missing tables in upgraded data** which had been present in the single instance development machine

| **TABLE\_SCHEMA** | **No. of Tables Required** | **No. of tables found** |
| --- | --- | --- |
| analytics-api | 12 | 0 |
| dashboard | 23 | 0 |
| discovery | 103 | 96 |

**The list of tables were missing in the discovery database:**

1. course\_metadata\_courseentitlement
2. course\_metadata\_courserun\_video\_translation\_languages
3. course\_metadata\_program\_instructor\_ordering
4. course\_metadata\_subjecttranslation
5. course\_metadata\_topic
6. course\_metadata\_topictranslation
7. publisher\_courseentitlement

**“waffle\_switch” table of discovery database in which following two entries were missing:**

1. use\_company\_name\_as\_utm\_source\_value
2. auto\_course\_about\_page\_creation

**django\_migrations of edxapp\_csmh:** Two records are missing for the “coursetalk” app. In the production setup, while they had been listed in the single instance development machine

| **app** | **name** | **applied** |
| --- | --- | --- |
| coursetalk | 0001\_initial | 2017-12-12 07:29:39.237475 |
| coursetalk | 0002\_auto\_20160325\_0631 | 2017-12-12 07:29:39.448871 |

An **extra table** in the edxapp MySQL upgraded database, which had been absent in the single instance development machine

| **TABLE\_SCHEMA** | **Extra table** |
| --- | --- |
| edxapp | coursetalk\_coursetalkwidgetconfiguration |

**CHARACTER SET**

The “discovery” database had a **character set latin1**, but it should have been **utf8**.(Found only in the first Dry Run round)

In the ”**django\_content\_type**” table of “ecommerce” database, the ids of contents were swapped (132 with 129)

##### **2.1.2.3.2 Mongodb Database**

| **Test** | **Finding** | **Action taken** |
| --- | --- | --- |
| Extra system.users collection in edxapp & cs\_comments\_service both user databases. | System.users should be dropped after migration but were present. | No |
| Extra system.indexes collection in edxapp & cs\_comments\_service both user databases. | The indexes related to the system.users collection were also present in Ginkgo.2.  These indexes were related to System Users. | No |

Table : Mongo collection data comparison for Ficus to Gingko release

#### **2.1.2.4. Significant Log which was observed during Dry Run Round 0**

Dry run round 0 is the first round tried in the production environment.

##### **2.1.2.4.1 The “GinkgoLMSCMS1” machine**

In the first dry run round, following log generated on the “GinkgoLMSCMS1” edx@10.80.0.65 machine, while dropping the djcelery database tables

ssh edx@10.80.0.65

edx@GinkgoLMSCMS1:~$ sudo su - -s /bin/bash edxapp

[sudo] password for edx:

edxapp@GinkgoLMSCMS1:~$ . edxapp\_env

edxapp@GinkgoLMSCMS1:~$ cd edx-platform/

**edxapp@GinkgoLMSCMS1:~/edx-platform$ python manage.py lms drop\_djcelery\_tables --settings=aws**

2019-06-21 10:18:52,319 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/venvs/edxapp/local/lib/python2.7/site-packages/openassessment/workflow/models.py:46: RemovedInDjango19Warning: Model class openassessment.workflow.models.AssessmentWorkflow doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class AssessmentWorkflow(TimeStampedModel, StatusModel):

2019-06-21 10:18:52,321 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/venvs/edxapp/local/lib/python2.7/site-packages/openassessment/workflow/models.py:608: RemovedInDjango19Warning: Model class openassessment.workflow.models.AssessmentWorkflowStep doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class AssessmentWorkflowStep(models.Model):

2019-06-21 10:18:52,322 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/venvs/edxapp/local/lib/python2.7/site-packages/openassessment/workflow/models.py:749: RemovedInDjango19Warning: Model class openassessment.workflow.models.AssessmentWorkflowCancellation doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class AssessmentWorkflowCancellation(models.Model):

2019-06-21 10:18:52,615 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/venvs/edxapp/local/lib/python2.7/site-packages/edxval/models.py:52: RemovedInDjango19Warning: Model class edxval.models.Profile doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class Profile(models.Model):

2019-06-21 10:18:52,616 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/venvs/edxapp/local/lib/python2.7/site-packages/edxval/models.py:75: RemovedInDjango19Warning: Model class edxval.models.Video doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class Video(models.Model):

2019-06-21 10:18:52,617 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/venvs/edxapp/local/lib/python2.7/site-packages/edxval/models.py:123: RemovedInDjango19Warning: Model class edxval.models.CourseVideo doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class CourseVideo(models.Model, ModelFactoryWithValidation):

2019-06-21 10:18:52,619 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/venvs/edxapp/local/lib/python2.7/site-packages/edxval/models.py:144: RemovedInDjango19Warning: Model class edxval.models.EncodedVideo doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class EncodedVideo(models.Model):

2019-06-21 10:18:52,620 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/venvs/edxapp/local/lib/python2.7/site-packages/edxval/models.py:164: RemovedInDjango19Warning: Model class edxval.models.Subtitle doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class Subtitle(models.Model):

2019-06-21 10:18:52,625 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/edx-platform/openedx/core/djangoapps/video\_config/models.py:10: RemovedInDjango19Warning: Model class openedx.core.djangoapps.video\_config.models.HLSPlaybackEnabledFlag doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class HLSPlaybackEnabledFlag(ConfigurationModel):

2019-06-21 10:18:52,626 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/edx-platform/openedx/core/djangoapps/video\_config/models.py:51: RemovedInDjango19Warning: Model class openedx.core.djangoapps.video\_config.models.CourseHLSPlaybackEnabledFlag doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class CourseHLSPlaybackEnabledFlag(ConfigurationModel):

2019-06-21 10:18:52,801 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/edx-platform/openedx/core/djangoapps/bookmarks/models.py:41: RemovedInDjango19Warning: Model class openedx.core.djangoapps.bookmarks.models.Bookmark doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class Bookmark(TimeStampedModel):

2019-06-21 10:18:52,804 WARNING 29612 [py.warnings] base.py:116 - /edx/app/edxapp/edx-platform/openedx/core/djangoapps/bookmarks/models.py:186: RemovedInDjango19Warning: Model class openedx.core.djangoapps.bookmarks.models.XBlockCache doesn't declare an explicit app\_label and either isn't in an application in INSTALLED\_APPS or else was imported before its application was loaded. This will no longer be supported in Django 1.9.

class XBlockCache(TimeStampedModel):

2019-06-21 10:18:53,546 INFO 29612 [dd.dogapi] dog\_stats\_api.py:66 - Initializing dog api to use statsd: localhost, 8125

System check identified some issues:

WARNINGS:

custom\_reg\_form.MoocPerson.aadhar\_id: (fields.W122) 'max\_length' is ignored when used with IntegerField

HINT: Remove 'max\_length' from field

custom\_reg\_form.MoocPerson.pincode: (fields.W122) 'max\_length' is ignored when used with IntegerField

HINT: Remove 'max\_length' from field

2019-06-21 10:18:57,885 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:51 - Acquiring tables locks on `djcelery\_periodictask`, `djcelery\_taskstate`, `djcelery\_intervalschedule`, `djcelery\_periodictasks`, `djcelery\_crontabschedule`, `celery\_tasksetmeta`, `djcelery\_workerstate`, `celery\_taskmeta`

2019-06-21 10:18:57,886 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - table lock raw SQL:

LOCK TABLES `djcelery\_periodictask` WRITE, `djcelery\_taskstate` WRITE, `djcelery\_intervalschedule` WRITE, `djcelery\_periodictasks` WRITE, `djcelery\_crontabschedule` WRITE, `celery\_tasksetmeta` WRITE, `djcelery\_workerstate` WRITE, `celery\_taskmeta` WRITE

2019-06-21 10:18:58,983 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:62 - Tables are confirmed empty and I hold a lock on all of them, proceeding to DROP TABLE

2019-06-21 10:18:58,983 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_periodictask` raw SQL:

DROP TABLE IF EXISTS `djcelery\_periodictask` CASCADE

2019-06-21 10:18:59,589 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_taskstate` raw SQL:

DROP TABLE IF EXISTS `djcelery\_taskstate` CASCADE

2019-06-21 10:18:59,626 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_intervalschedule` raw SQL:

DROP TABLE IF EXISTS `djcelery\_intervalschedule` CASCADE

2019-06-21 10:18:59,656 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_periodictasks` raw SQL:

DROP TABLE IF EXISTS `djcelery\_periodictasks` CASCADE

2019-06-21 10:18:59,683 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_crontabschedule` raw SQL:

DROP TABLE IF EXISTS `djcelery\_crontabschedule` CASCADE

2019-06-21 10:18:59,713 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `celery\_tasksetmeta` raw SQL:

DROP TABLE IF EXISTS `celery\_tasksetmeta` CASCADE

2019-06-21 10:19:00,147 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_workerstate` raw SQL:

DROP TABLE IF EXISTS `djcelery\_workerstate` CASCADE

2019-06-21 10:19:00,176 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `celery\_taskmeta` raw SQL:

DROP TABLE IF EXISTS `celery\_taskmeta` CASCADE

2019-06-21 10:19:00,208 INFO 29612 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:67 - Tables have been dropped, proceed with djcelery migrations as needed.

edxapp@GinkgoLMSCMS1:~/edx-platform$ exit

logout

Some other log on the same machine are as follow

**cd /var/tmp/configuration**

-bash: cd: /var/tmp/configuration: No such file or directory

**Note:** “**/var/tmp/configuration**” folder was missing on the given “GinkgoLMSCMS1” machine.

edx@GinkgoLMSCMS1:~$ **cd /edx/app/edx\_ansible**

edx@GinkgoLMSCMS1:/edx/app/edx\_ansible$ cd ..

edx@GinkgoLMSCMS1:/edx/app$ **git branch**

fatal: Not a git repository (or any of the parent directories): .git

edx@GinkgoLMSCMS1:/edx/app$ **cd edx\_ansible/**

edx@GinkgoLMSCMS1:/edx/app/edx\_ansible$ **cd edx\_ansible/**

edx@GinkgoLMSCMS1:/edx/app/edx\_ansible/edx\_ansible$ **git branch**

**\* master**

edx@GinkgoLMSCMS1:/edx/app/edx\_ansible/edx\_ansible$ **vi util/install/sandbox.sh**

edx@GinkgoLMSCMS1:/edx/app/edx\_ansible/edx\_ansible$  **cd ../../edxapp/edx-platform/**

edx@GinkgoLMSCMS1:/edx/app/edxapp/edx-platform$ **ls**

AUTHORS conf manage.py package.json README.rst setup.pyc

CHANGELOG.rst CONTRIBUTING.rst manage.pyc pavelib requirements static

circle.yml docs node\_modules pavement.py screenshots test\_root

cms LICENSE openedx pavement.pyc scripts themes

codecov.yml lms Open\_edX.egg-info pylintrc setup.cfg vendor\_extra

common Makefile openedx.yaml pylintrc\_tweaks setup.py webpack.config.js

edx@GinkgoLMSCMS1:/edx/app/edxapp/edx-platform$ **git branch**

**\* IITBX-distributed-ginkgo2**

master

**Note:** The git branch of the platform was “**IITBX-distributed-ginkgo2**” of the given machine in the production environment, while it was “**open-release/ginkgo.2**” in the development environment.

##### **2.1.2.4.2 Log on to the “GinkgoAnsible” machine**

The “GinkgoAnsible” machine is one of the machines used in the distributed production machine.In the dry run round 0, following log was remarkable on the “GinkgoAnsible” edx@10.80.0.41 machine. It was run by sysadmin team, is as follow

ssh edx@10.80.0.41

cd /var/tmp/configuration/

edx@GinkgoAnsible:/var/tmp/configuration$ **git branch**

**\* IITBX-distributed-ginkgo2**

**Note:** The git branch of “/var/tmp/configuration” was “**IITBX-distributed-ginkgo2**” of the given ansible machine in the production environment, while it was “**open-release/ginkgo.2**” in the development environment.

cd /edx/app/edx\_ansible/edx\_ansible

edx@GinkgoAnsible:/edx/app/edx\_ansible/edx\_ansible$ **git branch**

\* **master**

edx@GinkgoAnsible:/edx/app/edx\_ansible/edx\_ansible$ **sudo git checkout open-release/ginkgo.2**

[sudo] password for edx:

Note: checking out 'open-release/ginkgo.2'.

You are in 'detached HEAD' state. You can look around, make experimental

changes and commit them, and you can discard any commits you make in this

state without impacting any branches by performing another checkout.

If you want to create a new branch to retain commits you create, you may

do so (now or later) by using -b with the checkout command again. Example:

git checkout -b <new-branch-name>

HEAD is now at 9d6eb34... Vagrantfile changes for ginkgo.2

edx@GinkgoAnsible:/edx/app/edx\_ansible/edx\_ansible$ git branch

\* (HEAD detached at **open-release/ginkgo.2**)

Master

**Note:** The git branch of the ansible code was “**master**” of the given ansible machine in the production environment, while it should have “**open-release/ginkgo.2**”.

##### **2.1.2.4.3. Migration trial**

The Migration trial done by Sysad team on the “GinkgoLMSCMS1” machine, is as follow

**sudo su edxapp -s /bin/bash**

cd ~

source edxapp\_env

python /edx/app/edxapp/edx-platform/manage.py lms syncdb --settings=production

“python /edx/app/edxapp/edx-platform/manage.py **lms** syncdb --settings=**production**” command gave error for production settings. It was used to migrate data of lms. To migrate data of **cms** following command was used by the sysad team

**python /edx/app/edxapp/edx-platform/manage.py lms syncdb --settings=aws**

Operations to perform:

Synchronize unmigrated apps: eventtracking\_django, gating, links, webpack\_loader, course\_structure\_api, release\_util, discussion\_api, learner\_dashboard, edxnotes, django\_sites\_extensions, auth\_exchange, service\_status, web\_fragments, coursegraph, sekizai, rest\_framework, edxmako, openassessment, datadog, staticbook, common\_views, course\_wiki, edx\_sga, support, enterprise\_support, django\_object\_actions, django\_countries, humanize, course\_blocks, provider, notification\_prefs, thumbnail, xblock, course\_experience, mptt, notifier\_api, staticfiles, markdownedx, fileupload, plugin\_api, course\_search, edx\_jsme, monitoring, instructor, static\_template\_view, corsheaders, statici18n, pipeline, simple\_history, enrollment, messages, config\_models, django\_extensions, dashboard, django\_nose, debug, mailing, discussion, course\_bookmarks

Apply all migrations: redirects, grades, experiments, badges, waffle\_utils, shoppingcart, static\_replace, submissions, sap\_success\_factors, verified\_track\_content, rss\_proxy, commerce, django\_notify, auth, util, credentials, contentserver, course\_action\_state, edx\_proctoring, notes, teams, cors\_csrf, coursewarehistoryextended, ccxcon, wiki, oauth\_dispatch, branding, waffle, course\_groups, course\_modes, sites, block\_structure, external\_auth, certificates, workflow, edx\_oauth2\_provider, celery\_utils, api\_admin, verify\_student, lms\_xblock, video\_config, oauth2\_provider, milestones, admin, oauth\_provider, credit, bulk\_email, survey, course\_structures, dark\_lang, django\_comment\_common, course\_overviews, crawlers, bookmarks, mobile\_api, third\_party\_auth, database\_fixups, splash, assessment, sessions, email\_marketing, embargo, organizations, oauth2, djcelery, edxval, django\_openid\_auth, theming, instructor\_task, xblock\_django, site\_configuration, integrated\_channel, contenttypes, user\_api, status, track, microsite\_configuration, catalog, student, social\_django, custom\_reg\_form, ccx, programs, courseware, enterprise, self\_paced

Synchronizing apps without migrations:

The following content types are stale and need to be deleted:

xblock\_django | xblockdisableconfig

Any objects related to these content types by a foreign key will also

be deleted. Are you sure you want to delete these content types?

If you're unsure, answer 'no'.

Type 'yes' to continue, or 'no' to cancel: **yes**

..

python /edx/app/edxapp/edx-platform/manage.py **cms** syncdb --settings=aws

..

Operations to perform:

Synchronize unmigrated apps: eventtracking\_django, webpack\_loader, release\_util, statici18n, django\_sites\_extensions, django\_extensions, service\_status, coursegraph, method\_override, edxmako, openassessment, datadog, common\_views, rules, cms\_user\_tasks, maintenance, provider, staticfiles, fileupload, edx\_jsme, monitoring, pipeline, simple\_history, require, messages, config\_models, xblock, django\_nose, edx\_sga

Apply all migrations: dark\_lang, student, user\_api, django\_comment\_common, redirects, course\_overviews, waffle, bookmarks, waffle\_utils, xblock\_django, course\_groups, database\_fixups, site\_configuration, course\_modes, workflow, sites, block\_structure, external\_auth, track, contenttypes, static\_replace, assessment, verified\_track\_content, oauth2\_provider, sessions, edx\_oauth2\_provider, microsite\_configuration, celery\_utils, auth, verify\_student, catalog, oauth2, contentstore, user\_tasks, xblock\_config, video\_config, contentserver, tagging, embargo, organizations, milestones, course\_action\_state, course\_creators, edx\_proctoring, admin, submissions, djcelery, edxval, credit, django\_openid\_auth, course\_structures, enterprise, ccxcon, theming, self\_paced

Synchronizing apps without migrations:

Creating tables...

Running deferred SQL...

Installing custom SQL...

Running migrations:

Rendering model states... DONE

Applying tagging.0002\_auto\_20170116\_1541... OK

Applying xblock\_config.0002\_courseeditltifieldsenabledflag... OK

**Note**: After this approach, the sysad team read logs of migration of the single instance machine in the development environment. They decided to do the actual migration using ansible commands. In further rounds in dry run ansible commands were run to upgrade data.

### **2.1.3 Actual Upgradation for go live**

#### **2.1.3.1 Prerequisites**

Some prerequisites were required before doing the actual upgradation that is as follow

* Confirm the git branch of all repositories used.
* Enable logs in ansible before upgradation starts, to analyse the result ( to check if any issue) after the upgradation is over.

#### **2.1.3.2 Pre-process**

Some preprocess needed before doing actual upgradation

* Drop the database tables used by djcelery.

#### **2.1.3.3 Ansible commands**

In the production environment, the actual migration was done by the sysad team. They had used the following commands(It is not exact copy of command that was run in the actual migration)

ansible-playbook ./edxapp.yml -u edx -i inventory.ini -k -K -c ssh --tags migrate

ansible-playbook ./ecommerce.yml -u edx -i inventory.ini -k -K -c ssh --tags migrate

ansible-playbook ./analyticsapi.yml -u edx -i inventory.ini -k -K -c ssh --tags migrate

ansible-playbook ./insights.yml -u edx -i inventory.ini -k -K -c ssh --tags migrate

ansible-playbook ./discovery.yml -u edx -i inventory.ini -k -K -c ssh --tags migrate

ansible-playbook ./forum.yml -u edx -i inventory.ini -k -K -c ssh --tags migrate

ansible-playbook ./xqueue.yml -u edx -i inventory.ini -k -K -c ssh --tags migrate

#### **2.1.3.4 Log of ansible command**

Following is log of actual migration in the production setup while doing final migration for the live

LMS

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WARNINGS:

custom\_reg\_form.MoocPerson.aadhar\_id: (fields.W122) 'max\_length' is ignored when used with IntegerField

HINT: Remove 'max\_length' from field

custom\_reg\_form.MoocPerson.pincode: (fields.W122) 'max\_length' is ignored when used with IntegerField

HINT: Remove 'max\_length' from field

2019-07-17 14:13:41,486 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:51 - Acquiring tables locks on `djcelery\_periodictask`, `djcelery\_taskstate`, `djcelery\_crontabschedule`, `celery\_tasksetmeta`, `djcelery\_workerstate`, `djcelery\_intervalschedule`, `djcelery\_periodictasks`, `celery\_taskmeta`

2019-07-17 14:13:41,486 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - table lock raw SQL:

LOCK TABLES `djcelery\_periodictask` WRITE, `djcelery\_taskstate` WRITE, `djcelery\_crontabschedule` WRITE, `celery\_tasksetmeta` WRITE, `djcelery\_workerstate` WRITE, `djcelery\_intervalschedule` WRITE, `djcelery\_periodictasks` WRITE, `celery\_taskmeta` WRITE

2019-07-17 14:13:41,497 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:62 - Tables are confirmed empty and I hold a lock on all of them, proceeding to DROP TABLE

2019-07-17 14:13:41,497 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_periodictask` raw SQL:

DROP TABLE IF EXISTS `djcelery\_periodictask` CASCADE

2019-07-17 14:13:41,656 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_taskstate` raw SQL:

DROP TABLE IF EXISTS `djcelery\_taskstate` CASCADE

2019-07-17 14:13:41,693 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_crontabschedule` raw SQL:

DROP TABLE IF EXISTS `djcelery\_crontabschedule` CASCADE

2019-07-17 14:13:41,721 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `celery\_tasksetmeta` raw SQL:

DROP TABLE IF EXISTS `celery\_tasksetmeta` CASCADE

2019-07-17 14:13:41,752 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_workerstate` raw SQL:

DROP TABLE IF EXISTS `djcelery\_workerstate` CASCADE

2019-07-17 14:13:41,780 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_intervalschedule` raw SQL:

DROP TABLE IF EXISTS `djcelery\_intervalschedule` CASCADE

2019-07-17 14:13:41,807 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `djcelery\_periodictasks` raw SQL:

DROP TABLE IF EXISTS `djcelery\_periodictasks` CASCADE

2019-07-17 14:13:41,834 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:45 - drop `celery\_taskmeta` raw SQL:

DROP TABLE IF EXISTS `celery\_taskmeta` CASCADE

2019-07-17 14:13:41,857 INFO 15910 [celery\_utils.management.commands.drop\_djcelery\_tables] drop\_djcelery\_tables.py:67 - Tables have been dropped, proceed with djcelery migrations as needed.

LMS/CMS

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2019-07-17 14:14:38,744 p=29774 u=edx | [DEPRECATION WARNING]: Instead of sudo/sudo\_user, use become/become\_user and make sure become\_method is 'sudo' (default).

This feature will be removed in a future release. Deprecation warnings can be

disabled by setting deprecation\_warnings=False in ansible.cfg.

2019-07-17 14:14:40,044 p=29774 u=edx | PLAY [Deploy edxapp lms and cms together] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:14:40,219 p=29774 u=edx | TASK [setup] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:14:41,324 p=29774 u=edx | ok: [10.80.0.65]

2019-07-17 14:14:41,332 p=29774 u=edx | TASK [edxapp : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:26:41,620 p=29774 u=edx | changed: [10.80.0.65] => (item=lms)

2019-07-17 14:27:24,400 p=29774 u=edx | changed: [10.80.0.65] => (item=cms)

2019-07-17 14:27:24,410 p=29774 u=edx | PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:27:24,410 p=29774 u=edx | 10.80.0.65 : ok=2 changed=1 unreachable=0 failed=0

2019-07-17 14:27:24,410 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing migrate ----------------------------------------------------------------------- 763.08s

2019-07-17 14:27:24,410 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing -------------------------------------------------------------------------------- 1.11s

2019-07-17 14:27:24,411 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing

Playbook Deploy edxapp lms and cms together finished: 2019-07-17 08:57:24.410716, 2 total tasks. 0:12:44.365964 elapsed.

ecommerce

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TASK [ecommerce : Migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

fatal: [10.80.0.138]: FAILED! => {"changed": true, "cmd": "DB\_MIGRATION\_USER='migrate' DB\_MIGRATION\_PASS='a01b@iitb.' /edx/app/ecommerce/venvs/ecommerce/bin/python ./manage.py migrate --noinput", "delta": "0:00:24.108828", "end": "2019-07-17 14:29:47.464880", "failed": true, "rc": 1, "start": "2019-07-17 14:29:23.356052", "stderr": "System check identified some issues:\n\nWARNINGS:\n?: (mysql.W002) MySQL Strict Mode is not set for database connection 'default'\n\tHINT: MySQL's Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.10/ref/databases/#mysql-sql-mode\nTraceback (most recent call last):\n File \"./manage.py\", line 10, in <module>\n execute\_from\_command\_line(sys.argv)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/core/management/\_\_init\_\_.py\", line 367, in execute\_from\_command\_line\n utility.execute()\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/core/management/\_\_init\_\_.py\", line 359, in execute\n self.fetch\_command(subcommand).run\_from\_argv(self.argv)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/core/management/base.py\", line 294, in run\_from\_argv\n self.execute(\*args, \*\*cmd\_options)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/core/management/base.py\", line 345, in execute\n output = self.handle(\*args, \*\*options)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/core/management/commands/migrate.py\", line 204, in handle\n fake\_initial=fake\_initial,\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/db/migrations/executor.py\", line 115, in migrate\n state = self.\_migrate\_all\_forwards(state, plan, full\_plan, fake=fake, fake\_initial=fake\_initial)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/db/migrations/executor.py\", line 145, in \_migrate\_all\_forwards\n state = self.apply\_migration(state, migration, fake=fake, fake\_initial=fake\_initial)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/db/migrations/executor.py\", line 244, in apply\_migration\n state = migration.apply(state, schema\_editor)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/db/migrations/migration.py\", line 129, in apply\n operation.database\_forwards(self.app\_label, schema\_editor, old\_state, project\_state)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/db/migrations/operations/models.py\", line 96, in database\_forwards\n schema\_editor.create\_model(model)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/db/backends/base/schema.py\", line 295, in create\_model\n self.execute(sql, params or None)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/db/backends/base/schema.py\", line 112, in execute\n cursor.execute(sql, params)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/db/backends/utils.py\", line 64, in execute\n return self.cursor.execute(sql, params)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/db/utils.py\", line 94, in \_\_exit\_\_\n six.reraise(dj\_exc\_type, dj\_exc\_value, traceback)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/db/backends/utils.py\", line 62, in execute\n return self.cursor.execute(sql)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/django/db/backends/mysql/base.py\", line 110, in execute\n return self.cursor.execute(query, args)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/MySQLdb/cursors.py\", line 205, in execute\n self.errorhandler(self, exc, value)\n File \"/edx/app/ecommerce/venvs/ecommerce/local/lib/python2.7/site-packages/MySQLdb/connections.py\", line 36, in defaulterrorhandler\n raise errorclass, errorvalue\ndjango.db.utils.OperationalError: (1050, \"Table 'thumbnail\_kvstore' already exists\")", "stdout": "Operations to perform:\n Apply all migrations: address, admin, analytics, auth, basket, catalogue, contenttypes, core, courses, customer, flatpages, invoice, offer, order, partner, payment, programs, promotions, referrals, refund, reviews, sailthru, sessions, shipping, sites, social\_django, theming, thumbnail, voucher, waffle, wishlists\nRunning migrations:\n Applying admin.0002\_logentry\_remove\_auto\_add... OK\n Applying auth.0007\_alter\_validators\_add\_error\_messages... OK\n Applying auth.0008\_alter\_user\_username\_max\_length... OK\n Applying basket.0008\_auto\_20170215\_2224... OK\n Applying basket.0009\_auto\_20170215\_2229... OK\n Applying basket.0010\_create\_repeat\_purchase\_switch... OK\n Applying catalogue.0021\_auto\_20170215\_2224... OK\n Applying catalogue.0022\_auto\_20170215\_2229... OK\n Applying catalogue.0023\_auto\_20170215\_2234... OK\n Applying catalogue.0024\_fix\_enrollment\_code\_slug... OK\n Applying core.0023\_siteconfiguration\_send\_refund\_notifications... OK\n Applying core.0024\_auto\_20170208\_1520... OK\n Applying core.0025\_auto\_20170214\_0003... OK\n Applying core.0026\_auto\_20170215\_2234... OK\n Applying core.0027\_siteconfiguration\_require\_account\_activation... OK\n Applying core.0028\_siteconfiguration\_optimizely\_snippet\_src... OK\n Applying core.0029\_auto\_20170525\_2131... OK\n Applying core.0030\_auto\_20170525\_2134... OK\n Applying core.0031\_siteconfiguration\_enable\_sailthru... OK\n Applying core.0032\_auto\_20170602\_0516... OK\n Applying core.0033\_auto\_20170606\_0539... OK\n Applying core.0034\_auto\_20170613\_2039... OK\n Applying core.0035\_siteconfiguration\_base\_cookie\_domain... OK\n Applying core.0036\_remove\_siteconfiguration\_enable\_otto\_receipt\_page... OK\n Applying core.0037\_siteconfiguration\_enable\_embargo\_check... OK\n Applying sites.0002\_alter\_domain\_unique... OK\n Applying courses.0005\_auto\_20170525\_0131... OK\n Applying customer.0003\_auto\_20170215\_2229... OK\n Applying invoice.0004\_auto\_20170215\_2234... OK\n Applying offer.0008\_range\_course\_catalog... OK\n Applying offer.0009\_range\_enterprise\_customer... OK\n Applying offer.0010\_auto\_20170215\_2224... OK\n Applying offer.0011\_auto\_20170215\_2324... OK\n Applying offer.0012\_condition\_program\_uuid... OK\n Applying order.0012\_auto\_20170215\_2224... OK\n Applying order.0013\_auto\_20170215\_2229... OK\n Applying order.0014\_auto\_20170606\_0535... OK\n Applying order.0015\_create\_disable\_repeat\_order\_check\_switch... OK\n Applying partner.0011\_auto\_20170525\_2138... OK\n Applying payment.0013\_sdncheckfailure... OK\n Applying payment.0014\_sdncheckfailure\_site... OK\n Applying payment.0015\_auto\_20170215\_2229... OK\n Applying payment.0016\_auto\_20170227\_1402... OK\n Applying payment.0017\_auto\_20170328\_1445... OK\n Applying programs.0001\_initial... OK\n Applying referrals.0004\_auto\_20170215\_2234... OK\n Applying reviews.0002\_update\_email\_length... OK\n Applying reviews.0003\_auto\_20160802\_1358... OK\n Applying social\_django.0006\_partial... OK\n Applying thumbnail.0001\_initial...", "stdout\_lines": ["Operations to perform:", " Apply all migrations: address, admin, analytics, auth, basket, catalogue, contenttypes, core, courses, customer, flatpages, invoice, offer, order, partner, payment, programs, promotions, referrals, refund, reviews, sailthru, sessions, shipping, sites, social\_django, theming, thumbnail, voucher, waffle, wishlists", "Running migrations:", " Applying admin.0002\_logentry\_remove\_auto\_add... OK", " Applying auth.0007\_alter\_validators\_add\_error\_messages... OK", " Applying auth.0008\_alter\_user\_username\_max\_length... OK", " Applying basket.0008\_auto\_20170215\_2224... OK", " Applying basket.0009\_auto\_20170215\_2229... OK", " Applying basket.0010\_create\_repeat\_purchase\_switch... OK", " Applying catalogue.0021\_auto\_20170215\_2224... OK", " Applying catalogue.0022\_auto\_20170215\_2229... OK", " Applying catalogue.0023\_auto\_20170215\_2234... OK", " Applying catalogue.0024\_fix\_enrollment\_code\_slug... OK", " Applying core.0023\_siteconfiguration\_send\_refund\_notifications... OK", " Applying core.0024\_auto\_20170208\_1520... OK", " Applying core.0025\_auto\_20170214\_0003... OK", " Applying core.0026\_auto\_20170215\_2234... OK", " Applying core.0027\_siteconfiguration\_require\_account\_activation... OK", " Applying core.0028\_siteconfiguration\_optimizely\_snippet\_src... OK", " Applying core.0029\_auto\_20170525\_2131... OK", " Applying core.0030\_auto\_20170525\_2134... OK", " Applying core.0031\_siteconfiguration\_enable\_sailthru... OK", " Applying core.0032\_auto\_20170602\_0516... OK", " Applying core.0033\_auto\_20170606\_0539... OK", " Applying core.0034\_auto\_20170613\_2039... OK", " Applying core.0035\_siteconfiguration\_base\_cookie\_domain... OK", " Applying core.0036\_remove\_siteconfiguration\_enable\_otto\_receipt\_page... OK", " Applying core.0037\_siteconfiguration\_enable\_embargo\_check... OK", " Applying sites.0002\_alter\_domain\_unique... OK", " Applying courses.0005\_auto\_20170525\_0131... OK", " Applying customer.0003\_auto\_20170215\_2229... OK", " Applying invoice.0004\_auto\_20170215\_2234... OK", " Applying offer.0008\_range\_course\_catalog... OK", " Applying offer.0009\_range\_enterprise\_customer... OK", " Applying offer.0010\_auto\_20170215\_2224... OK", " Applying offer.0011\_auto\_20170215\_2324... OK", " Applying offer.0012\_condition\_program\_uuid... OK", " Applying order.0012\_auto\_20170215\_2224... OK", " Applying order.0013\_auto\_20170215\_2229... OK", " Applying order.0014\_auto\_20170606\_0535... OK", " Applying order.0015\_create\_disable\_repeat\_order\_check\_switch... OK", " Applying partner.0011\_auto\_20170525\_2138... OK", " Applying payment.0013\_sdncheckfailure... OK", " Applying payment.0014\_sdncheckfailure\_site... OK", " Applying payment.0015\_auto\_20170215\_2229... OK", " Applying payment.0016\_auto\_20170227\_1402... OK", " Applying payment.0017\_auto\_20170328\_1445... OK", " Applying programs.0001\_initial... OK", " Applying referrals.0004\_auto\_20170215\_2234... OK", " Applying reviews.0002\_update\_email\_length... OK", " Applying reviews.0003\_auto\_20160802\_1358... OK", " Applying social\_django.0006\_partial... OK", " Applying thumbnail.0001\_initial..."], "warnings": []}

to retry, use: --limit @/var/tmp/configuration/playbooks/ecommerce.retry

################################################

2019-07-17 14:31:38,494 p=30121 u=edx | [DEPRECATION WARNING]: Instead of sudo/sudo\_user, use become/become\_user and make sure become\_method is 'sudo' (default).

This feature will be removed in a future release. Deprecation warnings can be

disabled by setting deprecation\_warnings=False in ansible.cfg.

2019-07-17 14:31:39,442 p=30121 u=edx | PLAY [Deploy edx Ecommerce] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:31:39,571 p=30121 u=edx | TASK [setup] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:31:40,443 p=30121 u=edx | ok: [10.80.0.138]

2019-07-17 14:31:40,450 p=30121 u=edx | TASK [ecommerce : fake thumbnails] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:31:40,788 p=30121 u=edx | changed: [10.80.0.138]

2019-07-17 14:31:40,795 p=30121 u=edx | TASK [ecommerce : Migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:31:43,913 p=30121 u=edx | changed: [10.80.0.138]

2019-07-17 14:31:43,919 p=30121 u=edx | TASK [ecommerce : Populate countries] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:31:45,684 p=30121 u=edx | changed: [10.80.0.138]

2019-07-17 14:31:45,686 p=30121 u=edx | PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:31:45,687 p=30121 u=edx | 10.80.0.138 : ok=4 changed=3 unreachable=0 failed=0

2019-07-17 14:31:45,687 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing Migrate ------------------------------------------------------------------------- 3.12s

2019-07-17 14:31:45,687 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing Populate countries -------------------------------------------------------------- 1.77s

2019-07-17 14:31:45,687 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing -------------------------------------------------------------------------------- 0.88s

2019-07-17 14:31:45,687 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing fake thumbnails ----------------------------------------------------------------- 0.34s

2019-07-17 14:31:45,687 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing

Playbook Deploy edx Ecommerce finished: 2019-07-17 09:01:45.687365, 4 total tasks. 0:00:06.244659 elapsed.

Forum

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2019-07-17 14:32:51,049 p=30208 u=edx | [DEPRECATION WARNING]: Instead of sudo/sudo\_user, use become/become\_user and make sure become\_method is 'sudo' (default).

This feature will be removed in a future release. Deprecation warnings can be

disabled by setting deprecation\_warnings=False in ansible.cfg.

2019-07-17 14:32:51,851 p=30208 u=edx | PLAY [Deploy forum] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:32:51,977 p=30208 u=edx | TASK [setup] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:32:53,011 p=30208 u=edx | ok: [10.80.0.111]

2019-07-17 14:32:53,018 p=30208 u=edx | TASK [forum : initialize elasticsearch] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:32:58,779 p=30208 u=edx | changed: [10.80.0.111]

2019-07-17 14:32:58,785 p=30208 u=edx | TASK [forum : rebuild elasticsearch indexes] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:32:58,825 p=30208 u=edx | skipping: [10.80.0.111]

2019-07-17 14:32:58,828 p=30208 u=edx | PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:32:58,828 p=30208 u=edx | 10.80.0.111 : ok=2 changed=1 unreachable=0 failed=0

2019-07-17 14:32:58,829 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing initialize elasticsearch -------------------------------------------------------- 5.77s

2019-07-17 14:32:58,829 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing -------------------------------------------------------------------------------- 1.04s

2019-07-17 14:32:58,829 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing rebuild elasticsearch indexes --------------------------------------------------- 0.04s

2019-07-17 14:32:58,829 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing

Playbook Deploy forum finished: 2019-07-17 09:02:58.828928, 3 total tasks. 0:00:06.976802 elapsed.

discovery

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2019-07-17 14:33:53,672 p=30266 u=edx | [DEPRECATION WARNING]: Instead of sudo/sudo\_user, use become/become\_user and make sure become\_method is 'sudo' (default).

This feature will be removed in a future release. Deprecation warnings can be

disabled by setting deprecation\_warnings=False in ansible.cfg.

2019-07-17 14:33:54,429 p=30266 u=edx | PLAY [Deploy discovery] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:33:54,524 p=30266 u=edx | TASK [setup] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:33:55,354 p=30266 u=edx | ok: [10.80.0.138]

2019-07-17 14:33:55,362 p=30266 u=edx | TASK [edx\_django\_service : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:33:59,433 p=30266 u=edx | changed: [10.80.0.138]

2019-07-17 14:33:59,435 p=30266 u=edx | PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:33:59,436 p=30266 u=edx | 10.80.0.138 : ok=2 changed=1 unreachable=0 failed=0

2019-07-17 14:33:59,436 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing migrate database ---------------------------------------------------------------- 4.07s

2019-07-17 14:33:59,436 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing -------------------------------------------------------------------------------- 0.84s

2019-07-17 14:33:59,436 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing

Playbook Deploy discovery finished: 2019-07-17 09:03:59.436450, 2 total tasks. 0:00:05.006497 elapsed.

Xqueue

---------------

2019-07-17 14:34:47,365 p=30328 u=edx | [DEPRECATION WARNING]: Instead of sudo/sudo\_user, use become/become\_user and make sure become\_method is 'sudo' (default).

This feature will be removed in a future release. Deprecation warnings can be

disabled by setting deprecation\_warnings=False in ansible.cfg.

2019-07-17 14:34:48,107 p=30328 u=edx | PLAY [Deploy xqueue] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:34:48,220 p=30328 u=edx | TASK [setup] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:34:49,253 p=30328 u=edx | ok: [10.80.0.127]

2019-07-17 14:34:49,260 p=30328 u=edx | TASK [xqueue : Migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:34:50,375 p=30328 u=edx | changed: [10.80.0.127]

2019-07-17 14:34:50,377 p=30328 u=edx | PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2019-07-17 14:34:50,377 p=30328 u=edx | 10.80.0.127 : ok=2 changed=1 unreachable=0 failed=0

2019-07-17 14:34:50,378 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing Migrate ------------------------------------------------------------------------- 1.12s

2019-07-17 14:34:50,378 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing -------------------------------------------------------------------------------- 1.04s

2019-07-17 14:34:50,378 /var/tmp/configuration/playbooks/callback\_plugins/task\_timing

Playbook Deploy xqueue finished: 2019-07-17 09:04:50.378058, 2 total tasks. 0:00:02.270112 elapsed.

**Error:** **django.db.utils.OperationalError: (1050, \"Table 'thumbnail\_kvstore' already exists\")**

**Action taken: Drop a table thumbnail\_kvstore from ecommerce MySQL database and re-run ansible command.**

### **2.1.4 Data Report:**

In the Production environment, distributed architecture has been used for the databases. "edxapp\_csmh" MySQL database was located on a different server. We ran the data report script again for the “edxapp\_csmh” database server, in which we did the comments for the Mongo database script calls in the"data\_report.sh" script.

# **Upcoming upgradation**

This section is useful to the sysad team to upgrade data from Ginkgo.2 release to Ironwood.master release via Hawthorn release.

# **3. Upgrading from the Ginkgo.2 Release**

The recommended approach to upgrading an existing installation of the IITBombayX Ginkgo release to the Hawthorn release is to make a fresh installation of the Hawthorn release on a new machine, and move your data and settings to it.

## **3.1 Git branches of Hawthorn.2 Machine:**

The list of git branches of all git repository on Fresh Hawthorn.2 machine are as follow, in which bold text represent “Unexpected git branch”, green text represent “As per expectation” and dark pink text represent “There exist git difference that is noted”

/home/edx/ListGitBranch

/edx/app/analytics\_api/analytics\_api/.git

In Directory:

/edx/app/analytics\_api/analytics\_api

Git branch:

**\* (no branch)**

Git diff:

No any git difference.

...............................................................................

/edx/app/certs/certificates/.git

In Directory:

/edx/app/certs/certificates

Git branch:

\* (HEAD detached at open-release/hawthorn.2)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/demo/edx-demo-course/.git

In Directory:

/edx/app/demo/edx-demo-course

Git branch:

\* (HEAD detached at open-release/hawthorn.2)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/discovery/discovery/.git

In Directory:

/edx/app/discovery/discovery

Git branch:

**\* (no branch)**

Git diff:

No any git difference.

...............................................................................

/edx/app/ecommerce/ecommerce/.git

In Directory:

/edx/app/ecommerce/ecommerce

Git branch:

**\* (no branch)**

Git diff:

No any git difference.

...............................................................................

/edx/app/ecommerce/venvs/ecommerce/src/analytics-python/.git

In Directory:

/edx/app/ecommerce/venvs/ecommerce/src/analytics-python

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/ecomworker/ecomworker/.git

In Directory:

/edx/app/ecomworker/ecomworker

Git branch:

**\* (no branch)**

Git diff:

No any git difference.

...............................................................................

/edx/app/edx\_ansible/edx\_ansible/.git

In Directory:

/edx/app/edx\_ansible/edx\_ansible

Git branch:

\* (HEAD detached at open-release/hawthorn.2)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/edx-platform/.git

In Directory:

/edx/app/edxapp/edx-platform

Git branch:

\* (HEAD detached at open-release/hawthorn.2)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/acid-xblock/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/acid-xblock

Git branch:

\* (HEAD detached at e46f9cd)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/codejail/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/codejail

Git branch:

\* (HEAD detached at a320d43)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/django-wiki/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/django-wiki

Git branch:

\* (HEAD detached at b66428e)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/done-xblock/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/done-xblock

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/edx-jsme/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/edx-jsme

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/parse-rest/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/parse-rest

Git branch:

\* (HEAD detached at 7949b9f)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/pygeoip/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/pygeoip

Git branch:

\* (HEAD detached at 95e6934)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/pystache-custom/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/pystache-custom

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/pystache-custom/ext/spec/.git

listGitBranch.sh: line 12: cd: /edx/app/edxapp/venvs/edxapp/src/pystache-custom/ext/spec/.git: Not a directory

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/rate-xblock/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/rate-xblock

Git branch:

\* (HEAD detached at 367e19c)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/xblock-google-drive/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/xblock-google-drive

Git branch:

\* (HEAD detached at 138e6fa)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/mongoid-tree-b381dd56f1b3/.git

In Directory:

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/mongoid-tree-b381dd56f1b3

Git branch:

**\* master**

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff21.txt

...............................................................................

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/rack-contrib-6ff3ca2b2d98/.git

In Directory:

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/rack-contrib-6ff3ca2b2d98

Git branch:

\* master

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff22.txt

...............................................................................

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/voteable\_mongo-55fcfe76705a/.git

In Directory:

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/voteable\_mongo-55fcfe76705a

Git branch:

\* master

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff23.txt

...............................................................................

/edx/app/forum/.rbenv/.git

In Directory:

/edx/app/forum/.rbenv

Git branch:

\* (HEAD detached at v1.0.0)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/forum/cs\_comments\_service/.git

In Directory:

/edx/app/forum/cs\_comments\_service

Git branch:

\* (HEAD detached at open-release/hawthorn.2)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/insights/edx\_analytics\_dashboard/.git

In Directory:

/edx/app/insights/edx\_analytics\_dashboard

Git branch:

**\* (no branch)**

Git diff:

No any git difference.

...............................................................................

/edx/app/insights/edx\_analytics\_dashboard/node\_modules/bootstrap-accessibility-plugin/bs3/.git

listGitBranch.sh: line 12: cd: /edx/app/insights/edx\_analytics\_dashboard/node\_modules/bootstrap-accessibility-plugin/bs3/.git: Not a directory

...............................................................................

/edx/app/notifier/src/.git

In Directory:

/edx/app/notifier/src

Git branch:

\* (HEAD detached at open-release/hawthorn.2)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/notifier/virtualenvs/notifier/src/opaque-keys/.git

In Directory:

/edx/app/notifier/virtualenvs/notifier/src/opaque-keys

Git branch:

\* (HEAD detached at a70af7c)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/xqueue/xqueue/.git

In Directory:

/edx/app/xqueue/xqueue

Git branch:

\* **master**

Git diff:

No any git difference.

...............................................................................

/home/edx/ubcpi/.git

In Directory:

/home/edx/ubcpi

Git branch:

**\* master**

Git diff:

No any git difference.

...............................................................................

/home/edx/xblock/.git

In Directory:

/home/edx/xblock

Git branch:

**\* master**

Git diff:

No any git difference.

...............................................................................

/home/edx/xblock-in-video-quiz/.git

In Directory:

/home/edx/xblock-in-video-quiz

Git branch:

**\* master**

Git diff:

No any git difference.

...............................................................................

/home/edx/xblock-inline-dropdown/.git

In Directory:

/home/edx/xblock-inline-dropdown

Git branch:

**\* master**

Git diff:

No any git difference.

...............................................................................

/var/tmp/configuration/.git

In Directory:

/var/tmp/configuration

Git branch:

\* (HEAD detached at open-release/hawthorn.2)

master

Git diff:

No any git difference.

...............................................................................

## **3.2 Upgradation Log**

The log of single instance machine in development environment while upgrading from Ginkgo.2 Release to Hawthorn.2 Release is

PLAY [Bootstrap instance(s)] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

PLAY [Configure instance(s)] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [localhost]

TASK [**edxapp** : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost] => (item=lms)

changed: [localhost] => (item=cms)

TASK [**edxapp** : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost] => (item=lms)

changed: [localhost] => (item=cms)

TASK [**edx\_django\_service** : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**edx\_django\_service** : run post-migrate commands] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost] => (item={u'when': True, u'command': u'./manage.py oscar\_populate\_countries --initial-only'})

changed: [localhost] => (item={u'when': True, u'command': u'./manage.py create\_or\_update\_site --site-id=1 --site-domain=localhost:8002 --partner-code=edX --partner-name="Open edX" --lms-url-root=http://127.0.0.1:8000 --client-side-payment-processor=cybersource --payment-processors=cybersource,paypal --client-id=ecommerce-key --client-secret=ecommerce-secret --from-email staff@example.com --discovery\_api\_url=http://localhost:8008/api/v1/'})

changed: [localhost] => (item={u'when': True, u'command': u'./manage.py create\_demo\_data --partner=edX'})

TASK [**edx\_django\_service** : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**edx\_django\_service** : run post-migrate commands] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [**insights** : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**forum** : initialize elasticsearch] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**forum** : rebuild elasticsearch indexes] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

skipping: [localhost]

TASK [**edx\_django\_service** : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**edx\_django\_service** : run post-migrate commands] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [**edx\_django\_service** : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

skipping: [localhost]

TASK [**edx\_django\_service** : run post-migrate commands] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

skipping: [localhost] => (item={u'when': False, u'command': u'./manage.py create\_site --sitename "DemoSite" --hostname "journals-localhost" --port "80" --lms-url-root "https://localhost:80" --lms-public-url-root-override "https://localhost:80" --discovery-api-url "https://discovery-localhost:80/api/v1/" --ecommerce-api-url "http://localhost:8002/api/v2/" --discovery-partner-id "edX" --ecommerce-partner-id "edX" --currency-codes USD --client-secret "journals-secret" --client-id "journals-key" --discovery-journal-api-url "https://discovery-localhost:80/journal/api/v1/" --ecommerce-journal-api-url "http://localhost:8002/journal/api/v1" --ecommerce-public-url-root "http://localhost:8002"\n'})

skipping: [localhost] => (item={u'when': False, u'command': u'./manage.py create\_org --key "edX" --sitename "DemoSite"'})

skipping: [localhost] => (item={u'become\_user': u'None', u'environment': {u'JOURNALS\_CFG': u'/edx/etc/None.yml'}, u'when': False, u'command': u'/edx/bin/python.journals /edx/bin/manage.journals publish\_journals --create "Demo Journal" --org "edX" --price "100.00"\n'})

TASK [**xqueue** : Migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

localhost : **ok=10 changed=9** unreachable=0 failed=0

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: migrate [0] ------------------------------------------------------------------- 449.84s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: migrate [1] -------------------------------------------------------------------- 50.02s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: migrate database [0] ----------------------------------------------------------- 47.70s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: migrate database [2] ----------------------------------------------------------- 17.18s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: initialize elasticsearch ------------------------------------------------------- 13.12s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: Migrate ------------------------------------------------------------------------ 10.43s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: migrate [2] --------------------------------------------------------------------- 8.33s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: migrate database [1] ------------------------------------------------------------ 7.79s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: run post-migrate commands [0] --------------------------------------------------- 7.60s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: Gathering Facts ----------------------------------------------------------------- 1.63s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing:

Playbook Configure instance(s) finished: 2020-08-12 11:01:45.020298, 15 total tasks. 0:10:15.074737 elapsed.

Installation finished at 2020-08-12 16:31:45

## **3.3 Steps:**

The sequence of tasks according to the above log for the ansible script is:

1. Edxapp (lms and cms)
2. ~~edx\_django\_service~~
3. Insights
4. Forum
5. xqueue

# **4. Upgrading from the Hawthorn.2 Release to Ironwood**

The recommended approach to upgrading an existing installation of the Open edX Hawthorn release to the Ironwood release is to make a fresh installation of the Ironwood release on a new machine, and move your data and settings to it.

## **4.1 Git branches of Ironwood.master Machine**

The list of git branches of all git repository on Fresh Ironwood.master machine are as follow, in which bold text represent “Unexpected git branch”, green text represent “As per expectation” and dark pink text represent “There exist git difference that is noted”

/home/edx/ListGitBranch

/edx/app/analytics\_api/analytics\_api/.git

In Directory:

/edx/app/analytics\_api/analytics\_api

Git branch:

\* open-release/ironwood.master

Git diff:

No any git difference.

...............................................................................

/edx/app/certs/certificates/.git

In Directory:

/edx/app/certs/certificates

Git branch:

master

\* open-release/ironwood.master

Git diff:

No any git difference.

...............................................................................

/edx/app/demo/edx-demo-course/.git

In Directory:

/edx/app/demo/edx-demo-course

Git branch:

master

\* open-release/ironwood.master

Git diff:

No any git difference.

...............................................................................

/edx/app/discovery/discovery/.git

In Directory:

/edx/app/discovery/discovery

Git branch:

\* open-release/ironwood.master

Git diff:

No any git difference.

...............................................................................

/edx/app/discovery/venvs/discovery/src/edx-analytics-data-api-client/.git

In Directory:

/edx/app/discovery/venvs/discovery/src/edx-analytics-data-api-client

Git branch:

\* (HEAD detached at d26891b)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/ecommerce/ecommerce/.git

In Directory:

/edx/app/ecommerce/ecommerce

Git branch:

\* open-release/ironwood.master

Git diff:

No any git difference.

...............................................................................

/edx/app/ecommerce/venvs/ecommerce/src/analytics-python/.git

In Directory:

/edx/app/ecommerce/venvs/ecommerce/src/analytics-python

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/ecomworker/ecomworker/.git

In Directory:

/edx/app/ecomworker/ecomworker

Git branch:

\* open-release/ironwood.master

Git diff:

No any git difference.

...............................................................................

/edx/app/edx\_ansible/edx\_ansible/.git

In Directory:

/edx/app/edx\_ansible/edx\_ansible

Git branch:

master

\* open-release/ironwood.master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/edx-platform/.git

In Directory:

/edx/app/edxapp/edx-platform

Git branch:

master

\* open-release/ironwood.master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/acid-xblock/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/acid-xblock

Git branch:

\* (HEAD detached at e46f9cd)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/codejail/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/codejail

Git branch:

\* (HEAD detached at a320d43)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/django-wiki/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/django-wiki

Git branch:

\* (HEAD detached at ba76071)

edx\_release

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/done-xblock/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/done-xblock

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/edx-jsme/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/edx-jsme

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/parse-rest/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/parse-rest

Git branch:

\* (HEAD detached at 7949b9f)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/pygeoip/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/pygeoip

Git branch:

\* (HEAD detached at 95e6934)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/pystache-custom/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/pystache-custom

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/pystache-custom/ext/spec/.git

listGitBranch.sh: line 12: cd: /edx/app/edxapp/venvs/edxapp/src/pystache-custom/ext/spec/.git: Not a directory

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/rate-xblock/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/rate-xblock

Git branch:

\* (HEAD detached at 367e19c)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/xblock-google-drive/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/xblock-google-drive

Git branch:

\* (HEAD detached at 138e6fa)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/mongoid-tree-b381dd56f1b3/.git

In Directory:

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/mongoid-tree-b381dd56f1b3

Git branch:

\* master

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff22.txt

...............................................................................

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/rack-contrib-6ff3ca2b2d98/.git

In Directory:

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/rack-contrib-6ff3ca2b2d98

Git branch:

\* master

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff23.txt

...............................................................................

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/voteable\_mongo-55fcfe76705a/.git

In Directory:

/edx/app/forum/.gem/ruby/2.4.0/bundler/gems/voteable\_mongo-55fcfe76705a

Git branch:

\* master

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff24.txt

...............................................................................

/edx/app/forum/.rbenv/.git

In Directory:

/edx/app/forum/.rbenv

Git branch:

\* (HEAD detached at v1.0.0)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/forum/cs\_comments\_service/.git

In Directory:

/edx/app/forum/cs\_comments\_service

Git branch:

master

\* open-release/ironwood.master

Git diff:

No any git difference.

...............................................................................

/edx/app/insights/edx\_analytics\_dashboard/.git

In Directory:

/edx/app/insights/edx\_analytics\_dashboard

Git branch:

\* open-release/ironwood.master

Git diff:

No any git difference.

...............................................................................

/edx/app/insights/edx\_analytics\_dashboard/node\_modules/bootstrap-accessibility-plugin/bs3/.git

listGitBranch.sh: line 12: cd: /edx/app/insights/edx\_analytics\_dashboard/node\_modules/bootstrap-accessibility-plugin/bs3/.git: Not a directory

...............................................................................

/edx/app/insights/venvs/insights/src/django-lang-pref-middleware/.git

In Directory:

/edx/app/insights/venvs/insights/src/django-lang-pref-middleware

Git branch:

\* (HEAD detached at 6f873db)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/insights/venvs/insights/src/edx-analytics-data-api-client/.git

In Directory:

/edx/app/insights/venvs/insights/src/edx-analytics-data-api-client

Git branch:

\* (HEAD detached at fa05cfc)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/notifier/src/.git

In Directory:

/edx/app/notifier/src

Git branch:

master

\* open-release/ironwood.master

Git diff:

No any git difference.

...............................................................................

/edx/app/notifier/virtualenvs/notifier/src/opaque-keys/.git

In Directory:

/edx/app/notifier/virtualenvs/notifier/src/opaque-keys

Git branch:

\* (HEAD detached at a70af7c)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/xqueue/xqueue/.git

In Directory:

/edx/app/xqueue/xqueue

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/home/edx/ubcpi/.git

In Directory:

/home/edx/ubcpi

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/home/edx/xblock/.git

In Directory:

/home/edx/xblock

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/home/edx/xblock-in-video-quiz/.git

In Directory:

/home/edx/xblock-in-video-quiz

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/home/edx/xblock-inline-dropdown/.git

In Directory:

/home/edx/xblock-inline-dropdown

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/var/tmp/configuration/.git

In Directory:

/var/tmp/configuration

Git branch:

master

\* open-release/ironwood.master

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff38.txt

...............................................................................

**Note:** Remarkable git difference in the gitdiff38.txt file are as

diff --git a/playbooks/roles/edxapp/defaults/main.yml b/playbooks/roles/edxapp/defaults/main.yml

index 8700376..e62afcd 100644

--- a/playbooks/roles/edxapp/defaults/main.yml

+++ b/playbooks/roles/edxapp/defaults/main.yml

@@ -217,7 +217,7 @@ EDXAPP\_ENABLE\_EDXNOTES: false

EDXAPP\_ENABLE\_CREDIT\_ELIGIBILITY: false

EDXAPP\_ENABLE\_CREDIT\_API: false

-EDXAPP\_CUSTOM\_COURSES\_EDX: false

+EDXAPP\_CUSTOM\_COURSES\_EDX: true

EDXAPP\_ENABLE\_SYSADMIN\_DASHBOARD: false

# This is different from lms/envs/common.py

/var/tmp/configuration/.git

## **4.2 Upgradation Log**

The log of single instance machine in development environment while upgrading from Hawthorn.2 Release to Ironwood.master Release is

PLAY [Bootstrap instance(s)] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

PLAY [Configure instance(s)] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [localhost]

TASK [edxapp : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost] => (item=lms)

changed: [localhost] => (item=cms)

TASK [**edxapp** : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost] => (item=lms)

changed: [localhost] => (item=cms)

TASK [**edx\_django\_service** : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**edx\_django\_service** : run post-migrate commands] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost] => (item={u'when': True, u'command': u'./manage.py oscar\_populate\_countries --initial-only'})

changed: [localhost] => (item={u'when': True, u'command': u'./manage.py create\_or\_update\_site --site-id=1 --site-domain=localhost:8002 --partner-code=edX --partner-name="Open edX" --lms-url-root=http://127.0.0.1:8000 --client-side-payment-processor=cybersource --payment-processors=cybersource,paypal --client-id=ecommerce-key --client-secret=ecommerce-secret --from-email staff@example.com --discovery\_api\_url=http://localhost:8008/api/v1/ --journals\_api\_url='})

changed: [localhost] => (item={u'when': True, u'command': u'./manage.py create\_demo\_data --partner=edX'})

TASK [**edx\_django\_service** : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**edx\_django\_service** : run post-migrate commands] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [**insights** : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**forum** : initialize elasticsearch] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**forum** : rebuild elasticsearch indexes] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

skipping: [localhost]

TASK [**edx\_django\_service** : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**edx\_django\_service** : run post-migrate commands] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [**edx\_django\_service** : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

skipping: [localhost]

TASK [**edx\_django\_service** : run post-migrate commands] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

skipping: [localhost] => (item={u'when': False, u'command': u'./manage.py create\_site --sitename "DemoSite" --hostname "journals-localhost" --port "80" --lms-url-root "https://192.168.0.4" --lms-public-url-root-override "https://192.168.0.4" --discovery-api-url "https://discovery-192.168.0.4/api/v1/" --ecommerce-api-url "http://localhost:8002/api/v2/" --discovery-partner-id "edX" --ecommerce-partner-id "edX" --currency-codes USD --client-secret "journals-secret" --client-id "journals-key" --discovery-journal-api-url "https://discovery-192.168.0.4/journal/api/v1/" --ecommerce-journal-api-url "http://localhost:8002/journals/api/v1" --ecommerce-public-url-root "http://localhost:8002"\n'})

skipping: [localhost] => (item={u'when': False, u'command': u'./manage.py create\_org --key "edX" --sitename "DemoSite"'})

skipping: [localhost] => (item={u'become\_user': u'None', u'environment': {u'JOURNALS\_CFG': u'/edx/etc/None.yml'}, u'when': False, u'command': u'/edx/bin/python.journals /edx/bin/manage.journals publish\_journals --create "Demo Journal" --org "edX" --price "100.00"\n'})

TASK [xqueue : Migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

localhost : ok=10 changed=9 unreachable=0 failed=0

Installation finished at 2020-07-09 17:49:38

## **4.3 Steps**

The sequence of tasks according to the above log for the ansible script is:

1. Edxapp (lms and cms)
2. ~~Edx\_django\_service~~
3. Insights
4. Forum
5. Xqueue

**5. Appendix:**

This section has reference documents.

## **5.1 Upgrading Ficus data**

This section have Log detail of the last upgradation

**5.1.1. Git branches of Ginkgo.2 Machine**

The list of git branches of all git repository on Ginkgo.2(not Fresh) machine are as follow, in which bold text represent “Unexpected git branch”, green text represent “As per expectation” and dark pink text represent “There exist git difference that is noted”

/home/edx/ListGitBranch

/edx/app/analytics\_api/analytics\_api/.git

In Directory:

/edx/app/analytics\_api/analytics\_api

Git branch:

**\* (no branch)**

Git diff:

No any git difference.

...............................................................................

/edx/app/certs/certificates/.git

In Directory:

/edx/app/certs/certificates

Git branch:

\* (HEAD detached at open-release/ginkgo.2)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/demo/edx-demo-course/.git

In Directory:

/edx/app/demo/edx-demo-course

Git branch:

\* (HEAD detached at open-release/ginkgo.2)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/discovery/discovery/.git

In Directory:

/edx/app/discovery/discovery

Git branch:

**\* master**

Git diff:

No any git difference.

...............................................................................

/edx/app/ecommerce/ecommerce/.git

In Directory:

/edx/app/ecommerce/ecommerce

Git branch:

**\* (no branch)**

Git diff:

No any git difference.

...............................................................................

/edx/app/ecomworker/ecomworker/.git

In Directory:

/edx/app/ecomworker/ecomworker

Git branch:

**\* (no branch)**

Git diff:

No any git difference.

...............................................................................

/edx/app/edx\_ansible/edx\_ansible/.git

In Directory:

/edx/app/edx\_ansible/edx\_ansible

Git branch:

\* (HEAD detached at open-release/ginkgo.2)

master

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff7.txt

...............................................................................

/edx/app/edxapp/edx-platform/.git

In Directory:

/edx/app/edxapp/edx-platform

Git branch:

\* (HEAD detached at open-release/ginkgo.2)

master

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff8.txt

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/acid-xblock/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/acid-xblock

Git branch:

\* (HEAD detached at e46f9cd)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/codejail/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/codejail

Git branch:

\* (HEAD detached at a320d43)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/django-splash/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/django-splash

Git branch:

\* (HEAD detached at da3f5b7)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/done-xblock/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/done-xblock

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/edx-jsme/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/edx-jsme

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/edx-submissions/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/edx-submissions

Git branch:

\* (HEAD detached at fc232e5)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/event-tracking/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/event-tracking

Git branch:

\* (HEAD detached at c9573cf)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/parse-rest/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/parse-rest

Git branch:

\* (HEAD detached at 7949b9f)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/pygeoip/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/pygeoip

Git branch:

\* (HEAD detached at 95e6934)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/pystache-custom/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/pystache-custom

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/pystache-custom/ext/spec/.git

listGitBranch.sh: line 12: cd: /edx/app/edxapp/venvs/edxapp/src/pystache-custom/ext/spec/.git: Not a directory

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/rate-xblock/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/rate-xblock

Git branch:

\* (HEAD detached at 367e19c)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/edxapp/venvs/edxapp/src/xblock-google-drive/.git

In Directory:

/edx/app/edxapp/venvs/edxapp/src/xblock-google-drive

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/edx/app/forum/.gem/ruby/1.9.1/bundler/gems/mongoid-tree-b381dd56f1b3/.git

In Directory:

/edx/app/forum/.gem/ruby/1.9.1/bundler/gems/mongoid-tree-b381dd56f1b3

Git branch:

\* master

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff22.txt

...............................................................................

/edx/app/forum/.gem/ruby/1.9.1/bundler/gems/rack-contrib-6ff3ca2b2d98/.git

In Directory:

/edx/app/forum/.gem/ruby/1.9.1/bundler/gems/rack-contrib-6ff3ca2b2d98

Git branch:

\* master

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff23.txt

...............................................................................

/edx/app/forum/.gem/ruby/1.9.1/bundler/gems/voteable\_mongo-55fcfe76705a/.git

In Directory:

/edx/app/forum/.gem/ruby/1.9.1/bundler/gems/voteable\_mongo-55fcfe76705a

Git branch:

\* master

Git diff:

This repository has git difference. Difference is noted in the file /home/edx/ListGitBranch/gitdiff24.txt

...............................................................................

/edx/app/forum/.rbenv/.git

In Directory:

/edx/app/forum/.rbenv

Git branch:

\* (HEAD detached at v1.0.0)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/forum/cs\_comments\_service/.git

In Directory:

/edx/app/forum/cs\_comments\_service

Git branch:

\* (HEAD detached at open-release/ginkgo.2)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/insights/edx\_analytics\_dashboard/.git

In Directory:

/edx/app/insights/edx\_analytics\_dashboard

Git branch:

**\* (no branch)**

Git diff:

No any git difference.

...............................................................................

/edx/app/notifier/src/.git

In Directory:

/edx/app/notifier/src

Git branch:

\* (HEAD detached at open-release/ginkgo.2)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/notifier/virtualenvs/notifier/src/opaque-keys/.git

In Directory:

/edx/app/notifier/virtualenvs/notifier/src/opaque-keys

Git branch:

\* (HEAD detached at a70af7c)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/xqueue/venvs/xqueue/src/pika/.git

In Directory:

/edx/app/xqueue/venvs/xqueue/src/pika

Git branch:

\* (HEAD detached at a731347)

master

Git diff:

No any git difference.

...............................................................................

/edx/app/xqueue/xqueue/.git

In Directory:

/edx/app/xqueue/xqueue

Git branch:

\* (HEAD detached at open-release/ginkgo.2)

master

Git diff:

No any git difference.

...............................................................................

/home/edx/IITBomabayXCustomRegForm/.git

In Directory:

/home/edx/IITBomabayXCustomRegForm

Git branch:

\* master

Git diff:

No any git difference.

...............................................................................

/home/edx/TestAnsiPort/OpenedXDataPorting/.git

In Directory:

/home/edx/TestAnsiPort/OpenedXDataPorting

Git branch:

**\* FicusToGinkgo2**

master

Git diff:

No any git difference.

...............................................................................

/home/edx/TestAnsiPort/dbutils/.git

In Directory:

/home/edx/TestAnsiPort/dbutils

Git branch:

**\* GoLiveRun**

master

Git diff:

No any git difference.

...............................................................................

/home/edx/ubcpi/.git

In Directory:

/home/edx/ubcpi

Git branch:

**\* master**

Git diff:

No any git difference.

...............................................................................

/home/edx/xblock/.git

In Directory:

/home/edx/xblock

Git branch:

**\* master**

Git diff:

No any git difference.

...............................................................................

/var/tmp/configuration/.git

In Directory:

/var/tmp/configuration

Git branch:

\* (HEAD detached at open-release/ginkgo.2)

master

Git diff:

No any git difference.

...............................................................................

**5.1.2. Upgradation Log**

The log of single instance machine in development environment while upgrading from Ficus.4 Release to Ginkgo.2 Release was

PLAY [Bootstrap instance(s)] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

PLAY [Configure instance(s)] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [localhost]

TASK [**edxapp** : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost] => (item=lms)

changed: [localhost] => (item=cms)

TASK [**edxapp** : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost] => (item=lms)

changed: [localhost] => (item=cms)

TASK [**ecommerce** : fake thumbnails] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**ecommerce** : Migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**ecommerce** : Populate countries] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**analytics\_api** : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**insights** : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**forum** : initialize elasticsearch] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**forum** : rebuild elasticsearch indexes] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

skipping: [localhost]

TASK [**edx\_django\_service** : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

TASK [**xqueue** : Migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [localhost]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

localhost : **ok=11 changed=10** unreachable=0 failed=0

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: migrate [0] ------------------------------------------------------------------- 787.23s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: Migrate [0] -------------------------------------------------------------------- 49.63s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: migrate [1] -------------------------------------------------------------------- 32.85s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: initialize elasticsearch -------------------------------------------------------- 6.47s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: migrate database ---------------------------------------------------------------- 4.87s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: fake thumbnails ----------------------------------------------------------------- 4.41s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: migrate [3] --------------------------------------------------------------------- 4.00s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: migrate [2] --------------------------------------------------------------------- 2.95s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: Populate countries -------------------------------------------------------------- 1.62s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing: Gathering Facts ----------------------------------------------------------------- 1.38s

INFO:/var/tmp/configuration/playbooks/callback\_plugins/task\_timing:

Playbook Configure instance(s) finished: 2019-06-10 09:07:21.318686, 12 total tasks. 0:14:57.105344 elapsed.

Mon Jun 10 14:37:21 IST 2019

## **5.1.3 Steps**

The sequence of tasks according to the above log for the ansible script should have:

1. Edxapp (lms and cms)
2. Ecommerce
3. Analytics\_api
4. Insights
5. ~~Edx\_django\_service~~
6. Forum
7. Xqueue

**Note:** As per the development setup, Analytics\_api and Insights were missed in actual migration in production setup.

**DryRun Result Ginkgo.2 to Ironwood.master via Hawthorn.2**

**6. Result of the DryRun in the production Environment**

**6.1 On the Hawthorn.2 single instance platform**

**6.2 On the Ironwood.master distributed production environment**

**6.2.1 Command actually run in the DryRun on the Ironwood platform:**

ansible-playbook -c ssh edxapp.yml -i inventory.ini --limit edxapp --tags "migrate" -e@server\_vars.yml -u edx -k -K -vvv

ansible-playbook -c ssh xqueue.yml -i inventory.ini --limit xqueue --tags "migrate" -e@server\_vars.yml -u edx -k -K

ansible-playbook -c ssh forum.yml -i inventory.ini --limit forum --tags "migrate" -e@server\_vars.yml -u edx -k -K

ansible-playbook -c ssh discovery.yml -i inventory.ini --limit discovery --tags "migrate" -e@server\_vars.yml -u edx -k -K

ansible-playbook -c ssh ecommerce.yml -i inventory.ini --limit ecommerce --tags "migrate" -e@server\_vars.yml -u edx -k -K

**6.2.2 Log of the ansible command in the DryRun:**

Migration Logs

------------------

1) Edxapp

(edx\_ansible) edx@Iron-Ansible:/var/tmp/configuration/playbooks$ ansible-playbook -c ssh edxapp.yml -i inventory.ini --limit edxapp --tags "migrate" -e@server\_vars.yml -u edx -k -K -vvv

ansible-playbook 2.7.12

config file = /var/tmp/configuration/playbooks/ansible.cfg

configured module search path = [u'/home/edx/.ansible/plugins/modules', u'/usr/share/ansible/plugins/modules']

ansible python module location = /edx/app/edx\_ansible/venvs/edx\_ansible/local/lib/python2.7/site-packages/ansible

executable location = /edx/app/edx\_ansible/venvs/edx\_ansible/bin/ansible-playbook

python version = 2.7.12 (default, Apr 15 2020, 17:07:12) [GCC 5.4.0 20160609]

Using /var/tmp/configuration/playbooks/ansible.cfg as config file

SSH password:

SUDO password[defaults to SSH password]:

/var/tmp/configuration/playbooks/inventory.ini did not meet host\_list requirements, check plugin documentation if this is unexpected

/var/tmp/configuration/playbooks/inventory.ini did not meet script requirements, check plugin documentation if this is unexpected

/var/tmp/configuration/playbooks/inventory.ini did not meet yaml requirements, check plugin documentation if this is unexpected

Parsed /var/tmp/configuration/playbooks/inventory.ini inventory source with ini plugin

statically imported: /var/tmp/configuration/playbooks/roles/security/tasks/security-ubuntu.yml

statically imported: /var/tmp/configuration/playbooks/roles/security/tasks/security-amazon.yml

statically imported: /var/tmp/configuration/playbooks/roles/edxapp/tasks/python\_sandbox\_env.yml

statically imported: /var/tmp/configuration/playbooks/roles/edxapp/tasks/deploy.yml

statically imported: /var/tmp/configuration/playbooks/roles/edxapp/tasks/service\_variant\_config.yml

statically imported: /var/tmp/configuration/playbooks/roles/edxapp/tasks/tag\_ec2.yml

PLAYBOOK: edxapp.yml \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1 plays in edxapp.yml

PLAY [Deploy edxapp] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

task path: /var/tmp/configuration/playbooks/edxapp.yml:1

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'echo ~edx && sleep 0'"'"''

<10.10.3.125> (0, '/home/edx\n', '')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'( umask 77 && mkdir -p "` echo /home/edx/.ansible/tmp/ansible-tmp-1625311718.79-209222636017456 `" && echo ansible-tmp-1625311718.79-209222636017456="` echo /home/edx/.ansible/tmp/ansible-tmp-1625311718.79-209222636017456 `" ) && sleep 0'"'"''

<10.10.3.125> (0, 'ansible-tmp-1625311718.79-209222636017456=/home/edx/.ansible/tmp/ansible-tmp-1625311718.79-209222636017456\n', '')

Using module file /edx/app/edx\_ansible/venvs/edx\_ansible/local/lib/python2.7/site-packages/ansible/modules/system/setup.py

<10.10.3.125> PUT /home/edx/.ansible/tmp/ansible-local-194092CZwSJ/tmpfJEQ1A TO /home/edx/.ansible/tmp/ansible-tmp-1625311718.79-209222636017456/AnsiballZ\_setup.py

<10.10.3.125> SSH: EXEC sshpass -d10 sftp -o BatchMode=no -b - -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 '[10.10.3.125]'

<10.10.3.125> (0, 'sftp> put /home/edx/.ansible/tmp/ansible-local-194092CZwSJ/tmpfJEQ1A /home/edx/.ansible/tmp/ansible-tmp-1625311718.79-209222636017456/AnsiballZ\_setup.py\n', '')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'chmod u+x /home/edx/.ansible/tmp/ansible-tmp-1625311718.79-209222636017456/ /home/edx/.ansible/tmp/ansible-tmp-1625311718.79-209222636017456/AnsiballZ\_setup.py && sleep 0'"'"''

<10.10.3.125> (0, '', '')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 -tt 10.10.3.125 '/bin/sh -c '"'"'sudo -H -S -p "[sudo via ansible, key=ylxumpfxojqtpmmskhktemnvtnxlkbsm] password: " -u root /bin/sh -c '"'"'"'"'"'"'"'"'echo BECOME-SUCCESS-ylxumpfxojqtpmmskhktemnvtnxlkbsm; /usr/bin/python /home/edx/.ansible/tmp/ansible-tmp-1625311718.79-209222636017456/AnsiballZ\_setup.py'"'"'"'"'"'"'"'"' && sleep 0'"'"''

Escalation succeeded

<10.10.3.125> (0, '\r\n\r\n{"invocation": {"module\_args": {"filter": "\*", "gather\_subset": ["all"], "fact\_path": "/etc/ansible/facts.d", "gather\_timeout": 10}}, "ansible\_facts": {"ansible\_product\_serial": "VMware-42 11 01 77 83 7e d8 ff-b6 ae 3f 30 98 46 da 30", "ansible\_form\_factor": "Other", "ansible\_user\_gecos": "root", "ansible\_distribution\_file\_parsed": true, "ansible\_fips": false, "ansible\_service\_mgr": "systemd", "ansible\_user\_id": "root", "ansible\_selinux\_python\_present": false, "ansible\_userspace\_bits": "64", "ansible\_ssh\_host\_key\_rsa\_public": "AAAAB3NzaC1yc2EAAAADAQABAAABAQDsQ9lDezW8EfL6bMFNWNr9x02b89eIPh4ABszHieikSjUt3aWgANp4WBSy/DBwRWjsrB588By+mX19j8xTYsTZJaSLV1ckV3OHyb3lfEnQNWrNpIzCrjGhfvIKg13LFc8m8NMw1ZXuHeY6dpZJfG7vGeaZKjEFMDTe+JN2jrpb/L7D1V+hO7chlLA8QUpBuKP750Y7qajsExDsmYQmCbVX6FNAttienG+o62oAtEPOFMWIo05E5DlEzGjdjezqXCbroAyiZgS/ksYzNdD/AiGpc5AsxpS/Mmk1xGfw6IPhrlb9HHsoc0WjtQZF9NYTx3HNt1fJUCttpSPYKhAPNf8L", "gather\_subset": ["all"], 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"cap\_sys\_pacct", "cap\_sys\_admin", "cap\_sys\_boot", "cap\_sys\_nice", "cap\_sys\_resource", "cap\_sys\_time", "cap\_sys\_tty\_config", "cap\_mknod", "cap\_lease", "cap\_audit\_write", "cap\_audit\_control", "cap\_setfcap", "cap\_mac\_override", "cap\_mac\_admin", "cap\_syslog", "cap\_wake\_alarm", "cap\_block\_suspend", "37+ep"], "ansible\_ssh\_host\_key\_dsa\_public": "", "ansible\_all\_ipv4\_addresses": ["10.10.3.125"], "ansible\_python\_version": "2.7.12"}}\r\n', 'Shared connection to 10.10.3.125 closed.\r\n')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'rm -f -r /home/edx/.ansible/tmp/ansible-tmp-1625311718.79-209222636017456/ > /dev/null 2>&1 && sleep 0'"'"''

<10.10.3.125> (0, '', '')

ok: [10.10.3.125]

META: ran handlers

META: ran handlers

TASK [edxapp : migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

task path: /var/tmp/configuration/playbooks/roles/edxapp/tasks/service\_variant\_config.yml:171

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'echo ~edx && sleep 0'"'"''

<10.10.3.125> (0, '/home/edx\n', '')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'( umask 77 && mkdir -p "` echo /home/edx/.ansible/tmp/ansible-tmp-1625311720.9-189438947064189 `" && echo ansible-tmp-1625311720.9-189438947064189="` echo /home/edx/.ansible/tmp/ansible-tmp-1625311720.9-189438947064189 `" ) && sleep 0'"'"''

<10.10.3.125> (0, 'ansible-tmp-1625311720.9-189438947064189=/home/edx/.ansible/tmp/ansible-tmp-1625311720.9-189438947064189\n', '')

Using module file /edx/app/edx\_ansible/venvs/edx\_ansible/local/lib/python2.7/site-packages/ansible/modules/commands/command.py

<10.10.3.125> PUT /home/edx/.ansible/tmp/ansible-local-194092CZwSJ/tmpWU4NOj TO /home/edx/.ansible/tmp/ansible-tmp-1625311720.9-189438947064189/AnsiballZ\_command.py

<10.10.3.125> SSH: EXEC sshpass -d10 sftp -o BatchMode=no -b - -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 '[10.10.3.125]'

<10.10.3.125> (0, 'sftp> put /home/edx/.ansible/tmp/ansible-local-194092CZwSJ/tmpWU4NOj /home/edx/.ansible/tmp/ansible-tmp-1625311720.9-189438947064189/AnsiballZ\_command.py\n', '')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'chmod u+x /home/edx/.ansible/tmp/ansible-tmp-1625311720.9-189438947064189/ /home/edx/.ansible/tmp/ansible-tmp-1625311720.9-189438947064189/AnsiballZ\_command.py && sleep 0'"'"''

<10.10.3.125> (0, '', '')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 -tt 10.10.3.125 '/bin/sh -c '"'"'sudo -H -S -p "[sudo via ansible, key=xoxinmdjdrrvhqbrlztuuodaaqknqucg] password: " -u root /bin/sh -c '"'"'"'"'"'"'"'"'echo BECOME-SUCCESS-xoxinmdjdrrvhqbrlztuuodaaqknqucg; DB\_MIGRATION\_PASS=a01b@iitb. DB\_MIGRATION\_USER=migrate /usr/bin/python /home/edx/.ansible/tmp/ansible-tmp-1625311720.9-189438947064189/AnsiballZ\_command.py'"'"'"'"'"'"'"'"' && sleep 0'"'"''

Escalation succeeded

<10.10.3.125> (0, '\r\n\r\n{"changed": true, "end": "2021-07-03 16:59:05.144883", "stdout": "Operations to perform:\\n Apply all migrations: admin, api\_admin, assessment, auth, badges, block\_structure, bookmarks, branding, bulk\_email, catalog, ccx, ccxcon, celery\_utils, certificates, commerce, completion, consent, content\_type\_gating, contentserver, contenttypes, cors\_csrf, course\_action\_state, course\_duration\_limits, course\_goals, course\_groups, course\_modes, course\_overviews, courseware, coursewarehistoryextended, crawlers, credentials, credit, custom\_reg\_form, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, email\_marketing, embargo, enterprise, entitlements, experiments, external\_auth, grades, instructor\_task, integrated\_channel, lms\_xblock, microsite\_configuration, milestones, mobile\_api, notes, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, programs, redirects, rss\_proxy, sap\_success\_factors, schedules, self\_paced, sessions, shoppingcart, site\_configuration, sites, social\_django, splash, static\_replace, status, student, submissions, survey, teams, theming, third\_party\_auth, track, user\_api, user\_authn, util, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_django\\nRunning migrations:\\n Applying ccx.0006\_set\_display\_name\_as\_override... OK\\n Applying credentials.0004\_notifycredentialsconfig... OK\\n Applying grades.0014\_persistentsubsectiongradeoverridehistory... OK\\n Applying third\_party\_auth.0022\_auto\_20181012\_0307... OK\\nOperations to perform:\\n Apply all migrations: admin, api\_admin, assessment, auth, badges, block\_structure, bookmarks, branding, bulk\_email, catalog, ccx, ccxcon, celery\_utils, certificates, commerce, completion, consent, content\_type\_gating, contentserver, contenttypes, cors\_csrf, course\_action\_state, course\_duration\_limits, course\_goals, course\_groups, course\_modes, course\_overviews, courseware, coursewarehistoryextended, crawlers, credentials, credit, custom\_reg\_form, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, email\_marketing, embargo, enterprise, entitlements, experiments, external\_auth, grades, instructor\_task, integrated\_channel, lms\_xblock, microsite\_configuration, milestones, mobile\_api, notes, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, programs, redirects, rss\_proxy, sap\_success\_factors, schedules, self\_paced, sessions, shoppingcart, site\_configuration, sites, social\_django, splash, static\_replace, status, student, submissions, survey, teams, theming, third\_party\_auth, track, user\_api, user\_authn, util, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_django\\nRunning migrations:\\n Applying ccx.0006\_set\_display\_name\_as\_override... OK\\n Applying credentials.0004\_notifycredentialsconfig... OK\\n Applying custom\_reg\_form.0001\_initial... OK\\n Applying grades.0014\_persistentsubsectiongradeoverridehistory... OK\\n Applying third\_party\_auth.0022\_auto\_20181012\_0307... OK", "cmd": ["/edx/bin/edxapp-migrate-lms"], "rc": 0, "start": "2021-07-03 16:58:41.149938", "stderr": "WARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing \'lms.djangoapps.courseware\' as \'courseware\' is no longer supported\\n warnings.warn(\\"Importing \'lms.djangoapps.courseware\' as \'courseware\' is no longer supported\\", DeprecationWarning)\\n\\n2021-07-03 16:58:44,743 WARNING 4505 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider\\n2021-07-03 16:58:44,744 WARNING 4505 [enterprise.utils] utils.py:51 - cannot import name \_LTI\_BACKENDS\\nSystem check identified some issues:\\n\\nWARNINGS:\\n?: (mysql.W002) MySQL Strict Mode is not set for database connection \'student\_module\_history\'\\n\\tHINT: MySQL\'s Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode\\n2021-07-03 16:58:48,277 WARNING 4505 [py.warnings] \_\_init\_\_.py:1564 - /edx/app/edxapp/venvs/edxapp/local/lib/python2.7/site-packages/pkg\_resources/\_\_init\_\_.py:1145: DeprecationWarning: Use of .. or absolute path in a resource path is not allowed and will raise exceptions in a future release.\\n self, resource\_name\\n\\nWARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing \'lms.djangoapps.courseware\' as \'courseware\' is no longer supported\\n warnings.warn(\\"Importing \'lms.djangoapps.courseware\' as \'courseware\' is no longer supported\\", DeprecationWarning)\\n\\n2021-07-03 16:58:57,188 WARNING 4619 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider\\n2021-07-03 16:58:57,188 WARNING 4619 [enterprise.utils] utils.py:51 - cannot import name \_LTI\_BACKENDS\\nSystem check identified some issues:\\n\\nWARNINGS:\\n?: (mysql.W002) MySQL Strict Mode is not set for database connection \'student\_module\_history\'\\n\\tHINT: MySQL\'s Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode", "delta": "0:00:23.994945", "invocation": {"module\_args": {"warn": true, "executable": null, "\_uses\_shell": false, "\_raw\_params": "/edx/bin/edxapp-migrate-lms", "removes": null, "argv": null, "creates": null, "chdir": null, "stdin": null}}}\r\n', 'Shared connection to 10.10.3.125 closed.\r\n')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'rm -f -r /home/edx/.ansible/tmp/ansible-tmp-1625311720.9-189438947064189/ > /dev/null 2>&1 && sleep 0'"'"''

<10.10.3.125> (0, '', '')

changed: [10.10.3.125] => (item=lms) => {

"changed": true,

"cmd": [

"/edx/bin/edxapp-migrate-lms"

],

"delta": "0:00:23.994945",

"end": "2021-07-03 16:59:05.144883",

"invocation": {

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"\_uses\_shell": false,

"argv": null,

"chdir": null,

"creates": null,

"executable": null,

"removes": null,

"stdin": null,

"warn": true

}

},

"item": "lms",

"rc": 0,

"start": "2021-07-03 16:58:41.149938",

"stderr": "WARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\n warnings.warn(\"Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\", DeprecationWarning)\n\n2021-07-03 16:58:44,743 WARNING 4505 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider\n2021-07-03 16:58:44,744 WARNING 4505 [enterprise.utils] utils.py:51 - cannot import name \_LTI\_BACKENDS\nSystem check identified some issues:\n\nWARNINGS:\n?: (mysql.W002) MySQL Strict Mode is not set for database connection 'student\_module\_history'\n\tHINT: MySQL's Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode\n2021-07-03 16:58:48,277 WARNING 4505 [py.warnings] \_\_init\_\_.py:1564 - /edx/app/edxapp/venvs/edxapp/local/lib/python2.7/site-packages/pkg\_resources/\_\_init\_\_.py:1145: DeprecationWarning: Use of .. or absolute path in a resource path is not allowed and will raise exceptions in a future release.\n self, resource\_name\n\nWARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\n warnings.warn(\"Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\", DeprecationWarning)\n\n2021-07-03 16:58:57,188 WARNING 4619 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider\n2021-07-03 16:58:57,188 WARNING 4619 [enterprise.utils] utils.py:51 - cannot import name \_LTI\_BACKENDS\nSystem check identified some issues:\n\nWARNINGS:\n?: (mysql.W002) MySQL Strict Mode is not set for database connection 'student\_module\_history'\n\tHINT: MySQL's Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode",

"stderr\_lines": [

"WARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported",

" warnings.warn(\"Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\", DeprecationWarning)",

"",

"2021-07-03 16:58:44,743 WARNING 4505 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider",

"2021-07-03 16:58:44,744 WARNING 4505 [enterprise.utils] utils.py:51 - cannot import name \_LTI\_BACKENDS",

"System check identified some issues:",

"",

"WARNINGS:",

"?: (mysql.W002) MySQL Strict Mode is not set for database connection 'student\_module\_history'",

"\tHINT: MySQL's Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode",

"2021-07-03 16:58:48,277 WARNING 4505 [py.warnings] \_\_init\_\_.py:1564 - /edx/app/edxapp/venvs/edxapp/local/lib/python2.7/site-packages/pkg\_resources/\_\_init\_\_.py:1145: DeprecationWarning: Use of .. or absolute path in a resource path is not allowed and will raise exceptions in a future release.",

" self, resource\_name",

"",

"WARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported",

" warnings.warn(\"Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\", DeprecationWarning)",

"",

"2021-07-03 16:58:57,188 WARNING 4619 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider",

"2021-07-03 16:58:57,188 WARNING 4619 [enterprise.utils] utils.py:51 - cannot import name \_LTI\_BACKENDS",

"System check identified some issues:",

"",

"WARNINGS:",

"?: (mysql.W002) MySQL Strict Mode is not set for database connection 'student\_module\_history'",

"\tHINT: MySQL's Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode"

],

"stdout": "Operations to perform:\n Apply all migrations: admin, api\_admin, assessment, auth, badges, block\_structure, bookmarks, branding, bulk\_email, catalog, ccx, ccxcon, celery\_utils, certificates, commerce, completion, consent, content\_type\_gating, contentserver, contenttypes, cors\_csrf, course\_action\_state, course\_duration\_limits, course\_goals, course\_groups, course\_modes, course\_overviews, courseware, coursewarehistoryextended, crawlers, credentials, credit, custom\_reg\_form, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, email\_marketing, embargo, enterprise, entitlements, experiments, external\_auth, grades, instructor\_task, integrated\_channel, lms\_xblock, microsite\_configuration, milestones, mobile\_api, notes, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, programs, redirects, rss\_proxy, sap\_success\_factors, schedules, self\_paced, sessions, shoppingcart, site\_configuration, sites, social\_django, splash, static\_replace, status, student, submissions, survey, teams, theming, third\_party\_auth, track, user\_api, user\_authn, util, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_django\nRunning migrations:\n Applying ccx.0006\_set\_display\_name\_as\_override... OK\n Applying credentials.0004\_notifycredentialsconfig... OK\n Applying grades.0014\_persistentsubsectiongradeoverridehistory... OK\n Applying third\_party\_auth.0022\_auto\_20181012\_0307... OK\nOperations to perform:\n Apply all migrations: admin, api\_admin, assessment, auth, badges, block\_structure, bookmarks, branding, bulk\_email, catalog, ccx, ccxcon, celery\_utils, certificates, commerce, completion, consent, content\_type\_gating, contentserver, contenttypes, cors\_csrf, course\_action\_state, course\_duration\_limits, course\_goals, course\_groups, course\_modes, course\_overviews, courseware, coursewarehistoryextended, crawlers, credentials, credit, custom\_reg\_form, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, email\_marketing, embargo, enterprise, entitlements, experiments, external\_auth, grades, instructor\_task, integrated\_channel, lms\_xblock, microsite\_configuration, milestones, mobile\_api, notes, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, programs, redirects, rss\_proxy, sap\_success\_factors, schedules, self\_paced, sessions, shoppingcart, site\_configuration, sites, social\_django, splash, static\_replace, status, student, submissions, survey, teams, theming, third\_party\_auth, track, user\_api, user\_authn, util, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_django\nRunning migrations:\n Applying ccx.0006\_set\_display\_name\_as\_override... OK\n Applying credentials.0004\_notifycredentialsconfig... OK\n Applying custom\_reg\_form.0001\_initial... OK\n Applying grades.0014\_persistentsubsectiongradeoverridehistory... OK\n Applying third\_party\_auth.0022\_auto\_20181012\_0307... OK",

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" Apply all migrations: admin, api\_admin, assessment, auth, badges, block\_structure, bookmarks, branding, bulk\_email, catalog, ccx, ccxcon, celery\_utils, certificates, commerce, completion, consent, content\_type\_gating, contentserver, contenttypes, cors\_csrf, course\_action\_state, course\_duration\_limits, course\_goals, course\_groups, course\_modes, course\_overviews, courseware, coursewarehistoryextended, crawlers, credentials, credit, custom\_reg\_form, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, email\_marketing, embargo, enterprise, entitlements, experiments, external\_auth, grades, instructor\_task, integrated\_channel, lms\_xblock, microsite\_configuration, milestones, mobile\_api, notes, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, programs, redirects, rss\_proxy, sap\_success\_factors, schedules, self\_paced, sessions, shoppingcart, site\_configuration, sites, social\_django, splash, static\_replace, status, student, submissions, survey, teams, theming, third\_party\_auth, track, user\_api, user\_authn, util, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_django",

"Running migrations:",

" Applying ccx.0006\_set\_display\_name\_as\_override... OK",

" Applying credentials.0004\_notifycredentialsconfig... OK",

" Applying grades.0014\_persistentsubsectiongradeoverridehistory... OK",

" Applying third\_party\_auth.0022\_auto\_20181012\_0307... OK",

"Operations to perform:",

" Apply all migrations: admin, api\_admin, assessment, auth, badges, block\_structure, bookmarks, branding, bulk\_email, catalog, ccx, ccxcon, celery\_utils, certificates, commerce, completion, consent, content\_type\_gating, contentserver, contenttypes, cors\_csrf, course\_action\_state, course\_duration\_limits, course\_goals, course\_groups, course\_modes, course\_overviews, courseware, coursewarehistoryextended, crawlers, credentials, credit, custom\_reg\_form, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, email\_marketing, embargo, enterprise, entitlements, experiments, external\_auth, grades, instructor\_task, integrated\_channel, lms\_xblock, microsite\_configuration, milestones, mobile\_api, notes, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, programs, redirects, rss\_proxy, sap\_success\_factors, schedules, self\_paced, sessions, shoppingcart, site\_configuration, sites, social\_django, splash, static\_replace, status, student, submissions, survey, teams, theming, third\_party\_auth, track, user\_api, user\_authn, util, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_django",

"Running migrations:",

" Applying ccx.0006\_set\_display\_name\_as\_override... OK",

" Applying credentials.0004\_notifycredentialsconfig... OK",

" Applying custom\_reg\_form.0001\_initial... OK",

" Applying grades.0014\_persistentsubsectiongradeoverridehistory... OK",

" Applying third\_party\_auth.0022\_auto\_20181012\_0307... OK"

]

}

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'echo ~edx && sleep 0'"'"''

<10.10.3.125> (0, '/home/edx\n', '')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'( umask 77 && mkdir -p "` echo /home/edx/.ansible/tmp/ansible-tmp-1625311745.18-180722241222080 `" && echo ansible-tmp-1625311745.18-180722241222080="` echo /home/edx/.ansible/tmp/ansible-tmp-1625311745.18-180722241222080 `" ) && sleep 0'"'"''

<10.10.3.125> (0, 'ansible-tmp-1625311745.18-180722241222080=/home/edx/.ansible/tmp/ansible-tmp-1625311745.18-180722241222080\n', '')

Using module file /edx/app/edx\_ansible/venvs/edx\_ansible/local/lib/python2.7/site-packages/ansible/modules/commands/command.py

<10.10.3.125> PUT /home/edx/.ansible/tmp/ansible-local-194092CZwSJ/tmp9n7NeS TO /home/edx/.ansible/tmp/ansible-tmp-1625311745.18-180722241222080/AnsiballZ\_command.py

<10.10.3.125> SSH: EXEC sshpass -d10 sftp -o BatchMode=no -b - -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 '[10.10.3.125]'

<10.10.3.125> (0, 'sftp> put /home/edx/.ansible/tmp/ansible-local-194092CZwSJ/tmp9n7NeS /home/edx/.ansible/tmp/ansible-tmp-1625311745.18-180722241222080/AnsiballZ\_command.py\n', '')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'chmod u+x /home/edx/.ansible/tmp/ansible-tmp-1625311745.18-180722241222080/ /home/edx/.ansible/tmp/ansible-tmp-1625311745.18-180722241222080/AnsiballZ\_command.py && sleep 0'"'"''

<10.10.3.125> (0, '', '')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 -tt 10.10.3.125 '/bin/sh -c '"'"'sudo -H -S -p "[sudo via ansible, key=cetpmqyerqtghrrplcocjiwvnicdqfkk] password: " -u root /bin/sh -c '"'"'"'"'"'"'"'"'echo BECOME-SUCCESS-cetpmqyerqtghrrplcocjiwvnicdqfkk; DB\_MIGRATION\_PASS=a01b@iitb. DB\_MIGRATION\_USER=migrate /usr/bin/python /home/edx/.ansible/tmp/ansible-tmp-1625311745.18-180722241222080/AnsiballZ\_command.py'"'"'"'"'"'"'"'"' && sleep 0'"'"''

Escalation succeeded

<10.10.3.125> (0, '\r\n\r\n{"changed": true, "end": "2021-07-03 16:59:22.236490", "stdout": "Operations to perform:\\n Apply all migrations: admin, api\_admin, assessment, auth, block\_structure, bookmarks, catalog, ccxcon, celery\_utils, completion, consent, content\_type\_gating, contentserver, contentstore, contenttypes, course\_action\_state, course\_creators, course\_duration\_limits, course\_groups, course\_modes, course\_overviews, courseware, crawlers, credit, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, embargo, enterprise, entitlements, experiments, external\_auth, integrated\_channel, microsite\_configuration, milestones, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, redirects, sap\_success\_factors, schedules, self\_paced, sessions, site\_configuration, sites, static\_replace, student, submissions, survey, tagging, theming, track, user\_api, user\_authn, user\_tasks, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_config, xblock\_django\\nRunning migrations:\\n No migrations to apply.\\nOperations to perform:\\n Apply all migrations: admin, api\_admin, assessment, auth, block\_structure, bookmarks, catalog, ccxcon, celery\_utils, completion, consent, content\_type\_gating, contentserver, contentstore, contenttypes, course\_action\_state, course\_creators, course\_duration\_limits, course\_groups, course\_modes, course\_overviews, courseware, crawlers, credit, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, embargo, enterprise, entitlements, experiments, external\_auth, integrated\_channel, microsite\_configuration, milestones, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, redirects, sap\_success\_factors, schedules, self\_paced, sessions, site\_configuration, sites, static\_replace, student, submissions, survey, tagging, theming, track, user\_api, user\_authn, user\_tasks, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_config, xblock\_django\\nRunning migrations:\\n No migrations to apply.", "cmd": ["/edx/bin/edxapp-migrate-cms"], "rc": 0, "start": "2021-07-03 16:59:05.325559", "stderr": "WARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing \'lms.djangoapps.courseware\' as \'courseware\' is no longer supported\\n warnings.warn(\\"Importing \'lms.djangoapps.courseware\' as \'courseware\' is no longer supported\\", DeprecationWarning)\\n\\n2021-07-03 16:59:08,957 WARNING 4763 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider\\n2021-07-03 16:59:08,957 WARNING 4763 [enterprise.utils] utils.py:51 - cannot import name EnterpriseCustomerUser\\nSystem check identified some issues:\\n\\nWARNINGS:\\n?: (mysql.W002) MySQL Strict Mode is not set for database connection \'student\_module\_history\'\\n\\tHINT: MySQL\'s Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode\\nWARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing \'lms.djangoapps.courseware\' as \'courseware\' is no longer supported\\n warnings.warn(\\"Importing \'lms.djangoapps.courseware\' as \'courseware\' is no longer supported\\", DeprecationWarning)\\n\\n2021-07-03 16:59:17,638 WARNING 4874 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider\\n2021-07-03 16:59:17,639 WARNING 4874 [enterprise.utils] utils.py:51 - cannot import name EnterpriseCustomerUser\\nSystem check identified some issues:\\n\\nWARNINGS:\\n?: (mysql.W002) MySQL Strict Mode is not set for database connection \'student\_module\_history\'\\n\\tHINT: MySQL\'s Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode", "delta": "0:00:16.910931", "invocation": {"module\_args": {"warn": true, "executable": null, "\_uses\_shell": false, "\_raw\_params": "/edx/bin/edxapp-migrate-cms", "removes": null, "argv": null, "creates": null, "chdir": null, "stdin": null}}}\r\n', 'Shared connection to 10.10.3.125 closed.\r\n')

<10.10.3.125> ESTABLISH SSH CONNECTION FOR USER: edx

<10.10.3.125> SSH: EXEC sshpass -d10 ssh -o ControlMaster=auto -o ControlPersist=60s -o 'ControlPath=~/.ansible/tmp/ansible-ssh-%h-%p-%r' -o ServerAliveInterval=30 -o StrictHostKeyChecking=no -o User=edx -o ConnectTimeout=10 10.10.3.125 '/bin/sh -c '"'"'rm -f -r /home/edx/.ansible/tmp/ansible-tmp-1625311745.18-180722241222080/ > /dev/null 2>&1 && sleep 0'"'"''

<10.10.3.125> (0, '', '')

changed: [10.10.3.125] => (item=cms) => {

"changed": true,

"cmd": [

"/edx/bin/edxapp-migrate-cms"

],

"delta": "0:00:16.910931",

"end": "2021-07-03 16:59:22.236490",

"invocation": {

"module\_args": {

"\_raw\_params": "/edx/bin/edxapp-migrate-cms",

"\_uses\_shell": false,

"argv": null,

"chdir": null,

"creates": null,

"executable": null,

"removes": null,

"stdin": null,

"warn": true

}

},

"item": "cms",

"rc": 0,

"start": "2021-07-03 16:59:05.325559",

"stderr": "WARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\n warnings.warn(\"Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\", DeprecationWarning)\n\n2021-07-03 16:59:08,957 WARNING 4763 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider\n2021-07-03 16:59:08,957 WARNING 4763 [enterprise.utils] utils.py:51 - cannot import name EnterpriseCustomerUser\nSystem check identified some issues:\n\nWARNINGS:\n?: (mysql.W002) MySQL Strict Mode is not set for database connection 'student\_module\_history'\n\tHINT: MySQL's Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode\nWARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\n warnings.warn(\"Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\", DeprecationWarning)\n\n2021-07-03 16:59:17,638 WARNING 4874 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider\n2021-07-03 16:59:17,639 WARNING 4874 [enterprise.utils] utils.py:51 - cannot import name EnterpriseCustomerUser\nSystem check identified some issues:\n\nWARNINGS:\n?: (mysql.W002) MySQL Strict Mode is not set for database connection 'student\_module\_history'\n\tHINT: MySQL's Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode",

"stderr\_lines": [

"WARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported",

" warnings.warn(\"Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\", DeprecationWarning)",

"",

"2021-07-03 16:59:08,957 WARNING 4763 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider",

"2021-07-03 16:59:08,957 WARNING 4763 [enterprise.utils] utils.py:51 - cannot import name EnterpriseCustomerUser",

"System check identified some issues:",

"",

"WARNINGS:",

"?: (mysql.W002) MySQL Strict Mode is not set for database connection 'student\_module\_history'",

"\tHINT: MySQL's Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode",

"WARNING:py.warnings:/edx/app/edxapp/edx-platform/lms/djangoapps/courseware/\_\_init\_\_.py:5: DeprecationWarning: Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported",

" warnings.warn(\"Importing 'lms.djangoapps.courseware' as 'courseware' is no longer supported\", DeprecationWarning)",

"",

"2021-07-03 16:59:17,638 WARNING 4874 [enterprise.utils] utils.py:50 - Could not import Registry from third\_party\_auth.provider",

"2021-07-03 16:59:17,639 WARNING 4874 [enterprise.utils] utils.py:51 - cannot import name EnterpriseCustomerUser",

"System check identified some issues:",

"",

"WARNINGS:",

"?: (mysql.W002) MySQL Strict Mode is not set for database connection 'student\_module\_history'",

"\tHINT: MySQL's Strict Mode fixes many data integrity problems in MySQL, such as data truncation upon insertion, by escalating warnings into errors. It is strongly recommended you activate it. See: https://docs.djangoproject.com/en/1.11/ref/databases/#mysql-sql-mode"

],

"stdout": "Operations to perform:\n Apply all migrations: admin, api\_admin, assessment, auth, block\_structure, bookmarks, catalog, ccxcon, celery\_utils, completion, consent, content\_type\_gating, contentserver, contentstore, contenttypes, course\_action\_state, course\_creators, course\_duration\_limits, course\_groups, course\_modes, course\_overviews, courseware, crawlers, credit, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, embargo, enterprise, entitlements, experiments, external\_auth, integrated\_channel, microsite\_configuration, milestones, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, redirects, sap\_success\_factors, schedules, self\_paced, sessions, site\_configuration, sites, static\_replace, student, submissions, survey, tagging, theming, track, user\_api, user\_authn, user\_tasks, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_config, xblock\_django\nRunning migrations:\n No migrations to apply.\nOperations to perform:\n Apply all migrations: admin, api\_admin, assessment, auth, block\_structure, bookmarks, catalog, ccxcon, celery\_utils, completion, consent, content\_type\_gating, contentserver, contentstore, contenttypes, course\_action\_state, course\_creators, course\_duration\_limits, course\_groups, course\_modes, course\_overviews, courseware, crawlers, credit, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, embargo, enterprise, entitlements, experiments, external\_auth, integrated\_channel, microsite\_configuration, milestones, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, redirects, sap\_success\_factors, schedules, self\_paced, sessions, site\_configuration, sites, static\_replace, student, submissions, survey, tagging, theming, track, user\_api, user\_authn, user\_tasks, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_config, xblock\_django\nRunning migrations:\n No migrations to apply.",

"stdout\_lines": [

"Operations to perform:",

" Apply all migrations: admin, api\_admin, assessment, auth, block\_structure, bookmarks, catalog, ccxcon, celery\_utils, completion, consent, content\_type\_gating, contentserver, contentstore, contenttypes, course\_action\_state, course\_creators, course\_duration\_limits, course\_groups, course\_modes, course\_overviews, courseware, crawlers, credit, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, embargo, enterprise, entitlements, experiments, external\_auth, integrated\_channel, microsite\_configuration, milestones, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, redirects, sap\_success\_factors, schedules, self\_paced, sessions, site\_configuration, sites, static\_replace, student, submissions, survey, tagging, theming, track, user\_api, user\_authn, user\_tasks, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_config, xblock\_django",

"Running migrations:",

" No migrations to apply.",

"Operations to perform:",

" Apply all migrations: admin, api\_admin, assessment, auth, block\_structure, bookmarks, catalog, ccxcon, celery\_utils, completion, consent, content\_type\_gating, contentserver, contentstore, contenttypes, course\_action\_state, course\_creators, course\_duration\_limits, course\_groups, course\_modes, course\_overviews, courseware, crawlers, credit, dark\_lang, database\_fixups, degreed, django\_comment\_common, django\_notify, django\_openid\_auth, djcelery, edx\_oauth2\_provider, edx\_proctoring, edxval, embargo, enterprise, entitlements, experiments, external\_auth, integrated\_channel, microsite\_configuration, milestones, oauth2, oauth2\_provider, oauth\_dispatch, oauth\_provider, organizations, redirects, sap\_success\_factors, schedules, self\_paced, sessions, site\_configuration, sites, static\_replace, student, submissions, survey, tagging, theming, track, user\_api, user\_authn, user\_tasks, verified\_track\_content, verify\_student, video\_config, video\_pipeline, waffle, waffle\_utils, wiki, workflow, xapi, xblock\_config, xblock\_django",

"Running migrations:",

" No migrations to apply."

]

}

META: ran handlers

META: ran handlers

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

10.10.3.125 : ok=2 changed=1 unreachable=0 failed=0

2) Xqueue

ansible-playbook -c ssh xqueue.yml -i inventory.ini --limit xqueue --tags "migrate" -e@server\_vars.yml -u edx -k -K

(edx\_ansible) edx@Iron-Ansible:/var/tmp/configuration/playbooks$ ansible-playbook -c ssh xqueue.yml -i inventory.ini --limit xqueue --tags "migrate" -e@server\_vars.yml -u edx -k -K

SSH password:

SUDO password[defaults to SSH password]:

PLAY [Deploy xqueue] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [10.10.3.138]

TASK [xqueue : Migrate] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [10.10.3.138]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

10.10.3.138 : ok=2 changed=1 unreachable=0 failed=0

3) Forum

(edx\_ansible) edx@Iron-Ansible:/var/tmp/configuration/playbooks$ ansible-playbook -c ssh forum.yml -i inventory.ini --limit forum --tags "migrate" -e@server\_vars.yml -u edx -k -K

SSH password:

SUDO password[defaults to SSH password]:

[WARNING]: While constructing a mapping from /var/tmp/configuration/playbooks/roles/forum/defaults/main.yml, line 83, column 3, found a duplicate dict key (RACK\_ENV). Using last defined

value only.

[WARNING]: While constructing a mapping from /var/tmp/configuration/playbooks/roles/forum/defaults/main.yml, line 83, column 3, found a duplicate dict key (SINATRA\_ENV). Using last

defined value only.

[WARNING]: While constructing a mapping from /var/tmp/configuration/playbooks/roles/forum/defaults/main.yml, line 83, column 3, found a duplicate dict key (SEARCH\_SERVER). Using last

defined value only.

[WARNING]: While constructing a mapping from /var/tmp/configuration/playbooks/roles/forum/defaults/main.yml, line 83, column 3, found a duplicate dict key (MONGOHQ\_URL). Using last

defined value only.

PLAY [Deploy forum] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [10.10.3.136]

TASK [forum : initialize elasticsearch] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [10.10.3.136]

TASK [forum : rebuild elasticsearch indexes] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

skipping: [10.10.3.136]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

10.10.3.136 : ok=2 changed=1 unreachable=0 failed=0

4) Discovery

(edx\_ansible) edx@Iron-Ansible:/var/tmp/configuration/playbooks$ ansible-playbook -c ssh discovery.yml -i inventory.ini --limit discovery --tags "migrate" -e@server\_vars.yml -u edx -k -K

SSH password:

SUDO password[defaults to SSH password]:

PLAY [Deploy edX Course Discovery Service] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [10.10.3.155]

TASK [edx\_django\_service : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [10.10.3.155]

TASK [edx\_django\_service : run post-migrate commands] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

10.10.3.155 : ok=2 changed=1 unreachable=0 failed=0

5) Ecommerce

(edx\_ansible) edx@Iron-Ansible:/var/tmp/configuration/playbooks$ ansible-playbook -c ssh ecommerce.yml -i inventory.ini --limit ecommerce --tags "migrate" -e@server\_vars.yml -u edx -k -K

SSH password:

SUDO password[defaults to SSH password]:

PLAY [Deploy edX Ecommerce] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [10.10.3.155]

TASK [edx\_django\_service : migrate database] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [10.10.3.155]

TASK [edx\_django\_service : run post-migrate commands] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [10.10.3.155] => (item={u'command': u'./manage.py oscar\_populate\_countries --initial-only', u'when': True})

skipping: [10.10.3.155] => (item={u'command': u'./manage.py create\_or\_update\_site --site-id=1 --site-domain=10.10.3.155:8002 --partner-code=edX --partner-name="Open edX" --lms-url-root=http://10.10.3.125:8000 --client-side-payment-processor=cybersource --payment-processors=cybersource,paypal --client-id=ecommerce-key --client-secret=ecommerce-secret --from-email staff@example.com --discovery\_api\_url=http://10.10.3.155:8008/api/v1/ --journals\_api\_url=', u'when': False})

skipping: [10.10.3.155] => (item={u'command': u'./manage.py create\_demo\_data --partner=edX', u'when': False})

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

10.10.3.155 : ok=3 changed=2 unreachable=0 failed=0

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