

Pulp - Issue #6244

in `settings.py` , `REST_FRAMEWORK__DEFAULT_AUTHENTICATION_CLASSES` , instead of the replacing the list, adds values to the existing list.

02/28/2020 08:28 PM - sajha

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	Normal	Due date:	
Assignee:		Estimated time:	0:00 hour
Category:			
Sprint/Milestone:			
Severity:	2. Medium	Groomed:	No
Version:		Sprint Candidate:	No
Platform Release:		Tags:	Katello
OS:		Sprint:	Sprint 68
Triaged:	Yes	Quarter:	

Description

On master pulpcore, adding values `REST_FRAMEWORK__DEFAULT_AUTHENTICATION_CLASSES` to the `etc/pulp/settings.py` seems to be adding the values to the existing values instead of overwriting it..

Reproducer details : <http://pastebin.test.redhat.com/840708>

Additional details:

In the reproducer: `/etc/pulp/settings.py` is:

```
CONTENT_HOST = "centos7-katello-devel-stable.example.com"
CONTENT_ORIGIN = "http://centos7-katello-devel-stable.example.com"
SECRET_KEY = "CkQWwawMbSaZawD8DMnsJrKgWVVUsv4"
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.postgresql',
        'NAME': 'pulpcore',
        'USER': 'pulp',
        'PASSWORD': 'NqMm66f47nJoEaeKjD7XXKWprewHWkC7',
        'HOST': 'localhost',
        'PORT': '5432',
    },
}
MEDIA_ROOT = "/var/lib/pulp/docroot"
REDIS_HOST = "localhost"
REDIS_PORT = "6379"
REDIS_DB = 8
WORKING_DIRECTORY = "/var/lib/pulp/tmp"
REMOTE_USER_ENVIRON_NAME = 'HTTP_REMOTE_USER'

# container plugin settings
TOKEN_AUTH_DISABLED=True

# migration plugin settings
PULP2_MONGODB = {
    "name": "pulp_database",
    "seeds": "localhost:27017",
    "ssl": False,
    "verify_ssl": True,
    "ca_path": "/etc/pki/tls/certs/ca-bundle.crt",
}

AUTHENTICATION_BACKENDS = ['pulpcore.app.authentication.PulpNoCreateRemoteUserBackend']
```

```
REST_FRAMEWORK__DEFAULT_AUTHENTICATION_CLASSES = ['rest_framework.authentication.SessionAuthenticati
tion',
                                                'rest_framework.authentication.SessionAuthentication',
                                                'pulpcore.app.authentication.PulpRemoteUserAuthentication']
```

and /usr/lib/./pulpcore/app/settings.py is :

```
import os
from contextlib import suppress
from gettext import gettext as _
from importlib import import_module
from pkg_resources import iter_entry_points

from django.core.exceptions import ImproperlyConfigured

# Build paths inside the project like this: os.path.join(BASE_DIR, ...)
BASE_DIR = os.path.dirname(os.path.abspath(__file__))

# Quick-start development settings - unsuitable for production
# See https://docs.djangoproject.com/en/1.11/howto/deployment/checklist/

# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = False

ALLOWED_HOSTS = ['*']

MEDIA_ROOT = '/var/lib/pulp/'
STATIC_ROOT = os.path.join(MEDIA_ROOT, 'assets/')

DEFAULT_FILE_STORAGE = 'pulpcore.app.models.storage.FileSystem'

FILE_UPLOAD_TEMP_DIR = os.path.join(MEDIA_ROOT, 'tmp/')
WORKING_DIRECTORY = os.path.join(MEDIA_ROOT, 'tmp/')

# List of upload handler classes to be applied in order.
FILE_UPLOAD_HANDLERS = ('pulpcore.app.files.HashingFileUploadHandler',)

SECRET_KEY = True

# Application definition

INSTALLED_APPS = [
    # django stuff
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    # third-party
    'django_filters',
    'drf_yasg',
    'rest_framework',
    # pulp core app
    'pulpcore.app',
]

# Enumerate the installed Pulp plugins during the loading process for use in the status API
INSTALLED_PULP_PLUGINS = []

for entry_point in iter_entry_points('pulpcore.plugin'):
    plugin_app_config = entry_point.load()
    INSTALLED_PULP_PLUGINS.append(entry_point.module_name)
    INSTALLED_APPS.append(plugin_app_config)

# Optional apps that help with development, or augment Pulp in some non-critical way
```

```

OPTIONAL_APPS = [
    'crispy_forms',
    'django_extensions',
    'storages',
]

for app in OPTIONAL_APPS:
    # only import if app is installed
    with suppress(ImportError):
        import_module(app)
        INSTALLED_APPS.append(app)

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'whitenoise.middleware.WhiteNoiseMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

AUTHENTICATION_BACKENDS = [
    'django.contrib.auth.backends.ModelBackend',
]

ROOT_URLCONF = 'pulpcore.app.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [os.path.join(BASE_DIR, 'templates')],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages',
            ],
        },
    },
]

WSGI_APPLICATION = 'pulpcore.app.wsgi.application'

REST_FRAMEWORK = {
    'URL_FIELD_NAME': 'pulp_href',
    'DEFAULT_FILTER_BACKENDS': ('django_filters.rest_framework.DjangoFilterBackend',),
    'DEFAULT_PAGINATION_CLASS': 'rest_framework.pagination.LimitOffsetPagination',
    'PAGE_SIZE': 100,
    'DEFAULT_PERMISSION_CLASSES': ('rest_framework.permissions.IsAuthenticated',),
    'DEFAULT_AUTHENTICATION_CLASSES': (
        'rest_framework.authentication.SessionAuthentication',
    ),
    'UPLOADED_FILES_USE_URL': False,
    'DEFAULT_VERSIONING_CLASS': 'rest_framework.versioning.URLPathVersioning',
}

# Password validation
# https://docs.djangoproject.com/en/dev/ref/settings/#auth-password-validators

AUTH_PASSWORD_VALIDATORS = [
    {
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
    },
]

```

```

    {
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',
    },
]

# Internationalization
# https://docs.djangoproject.com/en/1.11/topics/i18n/

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'UTC'

USE_I18N = 'USE_I18N', True

USE_L10N = True

USE_TZ = True

# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/1.11/howto/static-files/

STATIC_URL = '/static/'

# A set of default settings to use if the configuration file in
# /etc/pulp/ is missing or if it does not have values for every setting

# https://docs.djangoproject.com/en/1.11/ref/settings/#databases
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.postgresql_psycopg2',
        'NAME': 'pulp',
        'USER': 'pulp',
        'CONN_MAX_AGE': 0,
    },
}

# https://docs.djangoproject.com/en/1.11/ref/settings/#logging and
# https://docs.python.org/3/library/logging.config.html
LOGGING = {
    'version': 1,
    'disable_existing_loggers': False,
    'formatters': {
        'simple': {'format': 'pulp: %(name)s:%(levelname)s: %(message)s'},
    },
    'handlers': {
        'console': {
            'class': 'logging.StreamHandler',
            'formatter': 'simple'
        }
    },
    'loggers': {
        '': {
            # The root logger
            'handlers': ['console'],
            'level': 'INFO'
        },
    }
}

CONTENT_PATH_PREFIX = '/pulp/content/'

```

```

CONTENT_APP_TTL = 30

REMOTE_USER_ENVIRON_NAME = "REMOTE_USER"

ALLOWED_IMPORT_PATHS = []

PROFILE_STAGES_API = False

SWAGGER_SETTINGS = {
    'DEFAULT_GENERATOR_CLASS': 'pulpcore.app.openapi.generator.PulpOpenAPISchemaGenerator',
    'DEFAULT_AUTO_SCHEMA_CLASS': 'pulpcore.app.openapi.generator.PulpAutoSchema',
    'DEFAULT_INFO': 'pulpcore.app.urls.api_info',
}

# have the docs url show field descriptions with html
REDOC_SETTINGS = {
    'SPEC_URL': '/pulp/api/v3/docs/?format=openapi&include_html=1',
}

# HERE STARTS DYNACONF EXTENSION LOAD (Keep at the very bottom of settings.py)
# Read more at https://dynaconf.readthedocs.io/en/latest/guides/django.html
import dynaconf # noqa
settings = dynaconf.DjangoDynaconf(
    __name__,
    GLOBAL_ENV_FOR_DYNACONF='PULP',
    ENV_SWITCHER_FOR_DYNACONF='PULP_ENV',
    PRELOAD_FOR_DYNACONF=[
        '{}.app.settings'.format(plugin_name)
        for plugin_name in INSTALLED_PULP_PLUGINS
    ],
    ENVVAR_FOR_DYNACONF='PULP_SETTINGS',
)
# HERE ENDS DYNACONF EXTENSION LOAD (No more code below this line)

try:
    CONTENT_ORIGIN
except NameError:
    raise ImproperlyConfigured(_('You must specify the CONTENT_ORIGIN setting.'))

```

This results in :

```

[vagrant@centos7-katello-devel-stable ~]$ /usr/bin/dynaconf list -k REST_FRAMEWORK
Django app detected
Working in development environment
REST_FRAMEWORK: {'DEFAULT_AUTHENTICATION_CLASSES': ['rest_framework.authentication.SessionAuthenti
cation',
                                                    'rest_framework.authentication.SessionAuthentication',
                                                    'rest_framework.authentication.SessionAuthentication',
                                                    'pulpcore.app.authentication.PulpRemoteUserAuthentication'],
'DEFAULT_FILTER_BACKENDS': ['django_filters.rest_framework.DjangoFilterBackend'],
'DEFAULT_PAGINATION_CLASS': 'rest_framework.pagination.LimitOffsetPagination',
'DEFAULT_PERMISSION_CLASSES': ['rest_framework.permissions.IsAuthenticated'],
'DEFAULT_VERSIONING_CLASS': 'rest_framework.versioning.URLPathVersioning',
'PAGE_SIZE': 100,
'UPLOADED_FILES_USE_URL': False,
'URL_FIELD_NAME': 'pulp_href'}

```

Associated revisions

Revision f8e18006 - 03/13/2020 01:49 PM - dkliban@redhat.com

Bumps dynaconf max version to < 4.0

re: #6244 <https://pulp.plan.io/issues/6244>

Revision 7730ead8 - 03/13/2020 09:53 PM - dkliban@redhat.com

Bumps dynaconf max version to < 4.0

re: #6244 <https://pulp.plan.io/issues/6244> (cherry picked from commit f8e18006aac2bd31026114d8d57831aeda3af3b7)

Revision 5d6ca203 - 03/14/2020 09:54 PM - dkliban@redhat.com

Bumps dynaconf max version to < 4.0

re: #6244 <https://pulp.plan.io/issues/6244> (cherry picked from commit f8e18006aac2bd31026114d8d57831aeda3af3b7)

Revision 4f31ecd9 - 03/15/2020 09:53 PM - dkliban@redhat.com

Bumps dynaconf max version to < 4.0

re: #6244 <https://pulp.plan.io/issues/6244> (cherry picked from commit f8e18006aac2bd31026114d8d57831aeda3af3b7)

Revision 42633f21 - 03/16/2020 10:24 PM - dkliban@redhat.com

Bumps dynaconf max version to < 4.0

re: #6244 <https://pulp.plan.io/issues/6244> (cherry picked from commit f8e18006aac2bd31026114d8d57831aeda3af3b7)

History

#1 - 03/03/2020 04:48 PM - fao89

- *Triaged changed from No to Yes*

- *Sprint set to Sprint 67*

#2 - 03/04/2020 06:10 PM - daviddavis

Dynaconf issue: <https://github.com/rochacbruno/dynaconf/issues/306>

#3 - 03/06/2020 04:09 PM - rchan

- *Sprint changed from Sprint 67 to Sprint 68*

#4 - 03/10/2020 01:00 PM - daviddavis

Looks like the dynaconf issue has been fixed but it's a backwards incompatible change and therefore won't be released until 3.0.0 which is suppose to be out at the end of the month. Is that too long to wait?

<https://github.com/rochacbruno/dynaconf/issues/306#issuecomment-596827704>

#5 - 03/20/2020 02:19 PM - dkliban@redhat.com

- *Status changed from NEW to CLOSED - CURRENTRELEASE*

The change to pulpcore has already been released. However, we are still waiting for dynaconf 3.0.0 GA release. There is a dynaconf 3.0.0rc1 available though.

#6 - 03/20/2020 02:58 PM - bmbouter

Pulp released 3.2.1 which adjusted the ability to use dynaconf 3.0.0. That version allows you to add to the list of settings in the dictionary instead of overwriting it. To resolve this, upgrade to pulpcore 3.2.1, ensure you have dynaconf 3.0.0+ and configure dynaconf to merge instead of overwrite.

#7 - 05/08/2020 07:44 PM - ggainey

- *Tags Katello added*

- *Tags deleted (Katello-P2)*