Ansible Plugin - Story #7470

As an user I want to sync collections on demand

09/08/2020 03:57 PM - fao89

Status:	NEW		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:			**Estimated time:**	0:00 hour
Sprint/Milestone:				
Platform Release:			**Tags:**	
Groomed:	No		**Sprint:**	
Sprint Candidate:	No		**Quarter:**	

Description

Enable on demand sync for collections

Related issues:

Related to Ansible Plugin - Issue #7572: Make MANIFEST.json and FILES.json av...	**CLOSED - CURRENTRELEASE**
Related to Ansible Plugin - Issue #7632: CollectionVersion.contents are not b...	**CLOSED - CURRENTRELEASE**
Related to Ansible Plugin - Refactor #7777: As a developer I want collections...	**CLOSED - CURRENTRELEASE**
Blocked by Pulp - Issue #7568: RepositoryVersionDistribution does not support...	**CLOSED - CURRENTRELEASE**

History

#1 - 09/08/2020 04:05 PM - fao89

our _post_save method is heavily dependent on immediate policy:
https://github.com/pulp/pulp_ansible/blob/master/pulp_ansible/app/tasks/collections.py#L432-L456

#2 - 09/24/2020 03:06 PM - fao89

Do we have an endpoint that brings the MANIFEST.json data?

```
{
 "collection_info": {
  "namespace": "pulp",
  "name": "pulp_installer",
  "version": "3.6.3-1",
  "authors": [
   "Pulp Project Developers <pulp-dev@redhat.com>"
  ],
  "readme": "README.md",
  "tags": [
   "pulp",
   "pulpcore",
   "content",
   "software_repositories",
   "lifecycle_management",
   "content_delivery"
  ],
  "description": "A collection of Ansible roles to install & configure Pulp 3 from PyPI",
  "license": [
   "GPL-2.0-or-later"
  ],
  "license_file": null,
  "dependencies": {},
  "repository": "https://github.com/pulp/pulp_installer",
  "documentation": "https://pulp-installer.readthedocs.io/",
  "homepage": "https://pulpproject.org/",
  "issues": "https://pulp.plan.io/projects/pulp/issues?query_id=156"
 },
 "file_manifest_file": {
  "name": "FILES.json",
  "ftype": "file",
  "chksum_type": "sha256",
  "chksum_sha256": "54757b4a488e5be8666ded617aa213740e03e3387dd30a7a9484611fd5e2fac4",
```

```
  "format": 1
 },
 "format": 1
}
```

#3 - 09/24/2020 03:14 PM - fao89

Apparently, the version endpoint brings all information we need:

URL: https://cloud.redhat.com/api/automation-hub/v3/collections/cyberark/conjur_collection/versions/1.0.3/

```
{
    "version": "1.0.3",
    "certification": "certified",
    "href": "/api/automation-hub/v3/collections/cyberark/conjur_collection/versions/1.0.3/",
    "created_at": "2020-04-22T05:51:35.004788Z",
    "updated_at": "2020-04-22T05:51:35.004819Z",
    "artifact": {
        "filename": "cyberark-conjur_collection-1.0.3.tar.gz",
        "sha256": "f1b8e8e95b8c8f31c32aeeddc772c4a3fc813545e28902a832e8e83bc38bb0a9",
        "size": 11354
    },
    "collection": {
        "id": "c54a323a-c151-4fbe-ac7e-30e518b1c0be",
        "name": "conjur_collection",
        "href": "/api/automation-hub/v3/collections/cyberark/conjur_collection/"
    },
    "download_url": "
https://cloud.redhat.com/api/automation-hub/v3/artifacts/collections/automation-hub/cyberark-conjur_collection
-1.0.3.tar.gz",
    "name": "conjur_collection",
    "namespace": {
        "name": "cyberark"
    },
    "metadata": {
        "authors": [
            "CyberArk Business Development (@cyberark-bizdev)",
            "Edward Nunez (@enunez-cyberark)",
            "James Stutes (@JimmyJamCABD)"
        ],
        "contents": [
            {
                "name": "conjur_variable",
                "description": "Fetch credentials from CyberArk Conjur.",
                "content_type": "lookup"
            }
        ],
        "dependencies": {},
        "description": "This is a Collection of CyberArk Conjur/DAP toolkit.",
        "documentation": "",
        "homepage": "",
        "issues": "",
        "license": [
            "Apache-2.0"
        ],
        "repository": "https://github.com/cyberark/ansible-conjur-collection",
        "tags": [
            "security",
            "cyberark",
            "access",
            "account",
            "vault",
            "identity",
            "credential",
            "secret",
            "privileged",
            "conjur",
            "devops"
        ]
    }
}
```

URL: https://galaxy.ansible.com/api/v2/collections/pulp/pulp_installer/versions/3.6.3/

```
{
```

```
    "id": 3871,
    "href": "https://galaxy.ansible.com/api/v2/collections/pulp/pulp_installer/versions/3.6.3/",
    "download_url": "https://galaxy.ansible.com/download/pulp-pulp_installer-3.6.3.tar.gz",
    "artifact": {
        "filename": "pulp-pulp_installer-3.6.3.tar.gz",
        "size": 90372,
        "sha256": "3b704628bd63c3b4fb1bee9ebc83647fbb06466f270ce3dfc6392b13210b4f41"
    },
    "namespace": {
        "id": 4091,
        "href": "https://galaxy.ansible.com/api/v1/namespaces/4091/",
        "name": "pulp"
    },
    "collection": {
        "id": 446,
        "href": "https://galaxy.ansible.com/api/v2/collections/pulp/pulp_installer/",
        "name": "pulp_installer"
    },
    "version": "3.6.3",
    "hidden": false,
    "metadata": {
        "name": "pulp_installer",
        "tags": [
            "pulp",
            "pulpcore",
            "content",
            "software_repositories",
            "lifecycle_management",
            "content_delivery"
        ],
        "issues": "https://pulp.plan.io/projects/pulp/issues?query_id=156",
        "readme": "README.md",
        "authors": [
            "Pulp Project Developers <pulp-dev@redhat.com>"
        ],
        "license": [
            "GPL-2.0-or-later"
        ],
        "version": "3.6.3",
        "homepage": "https://pulpproject.org/",
        "namespace": "pulp",
        "repository": "https://github.com/pulp/pulp_installer",
        "description": "A collection of Ansible roles to install & configure Pulp 3 from PyPI",
        "dependencies": {},
        "license_file": null,
        "documentation": "https://pulp-installer.readthedocs.io/"
    }
}
```

Instead of downloading and opening the collection file, we can pass these data through stages API

#4 - 09/24/2020 03:59 PM - fao89

- Status changed from NEW to ASSIGNED

- Assignee set to fao89

- Sprint set to Sprint 82

#5 - 09/24/2020 05:20 PM - bmbouter

I don't believe the server side APIs on galaxy.ansible.com and cloud.redhat.com do not provide all attributes that we would need. I believe that blocks this story from continuing.

#6 - 09/24/2020 09:10 PM - pulpbot

- Status changed from ASSIGNED to POST

PR: https://github.com/pulp/pulp_ansible/pull/373

#7 - 09/25/2020 08:22 PM - fao89

- Related to Issue #7572: Make MANIFEST.json and FILES.json available in the CollectionVersion serializer in the V3 API added

#8 - 10/01/2020 04:14 PM - fao89

- Related to Issue #7632: CollectionVersion.contents are not being synced added

#9 - 10/02/2020 06:05 PM - rchan

- Sprint changed from Sprint 82 to Sprint 83

#10 - 10/05/2020 08:08 PM - fao89

- Blocked by Issue #7568: RepositoryVersionDistribution does not support on_demand added

#11 - 10/15/2020 11:48 PM - rchan

- Sprint changed from Sprint 83 to Sprint 84

#12 - 10/30/2020 04:56 PM - rchan

- Sprint changed from Sprint 84 to Sprint 85

#13 - 11/03/2020 02:47 PM - fao89

- Status changed from POST to NEW

- Assignee deleted (fao89)

- Sprint deleted (Sprint 85)

#14 - 11/04/2020 04:24 PM - fao89

- Parent task set to #7777

#15 - 11/04/2020 05:14 PM - fao89

- Parent task deleted (#7777)

#16 - 11/04/2020 05:14 PM - fao89

- Related to Refactor #7777: As a developer I want collections sync machinery easier to maintain added