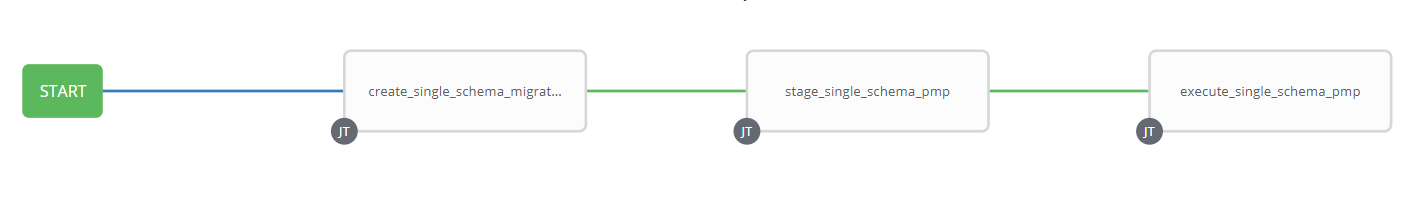
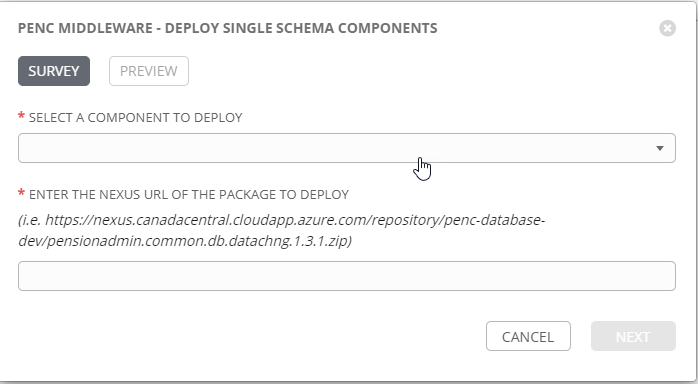
**Technical Documentation – Deploy Execute Single Schema Workflow**

1. Workflow – Deploys and executes the Oracle Schema Changes to an Environment.



1. Survey – User Supplied Variables



|  |  |  |  |
| --- | --- | --- | --- |
| **Survey Extra Variables** | **Prompt** | **Type** | **Description and Usage** |
| Component | Select a component to deploy | Multiple Choice Single Pick | The component to deploy – this includes the environments to deploy the component to.  pensionadmin.calculator.db.pnfxmmbr.devl  pensionadmin.calculator.db.pnfxmmbr.dev3  pensionadmin.calculator.db.pnfxmmbr.rdev  …  pensionadmin.training.db.trngmstr.trng |
| Package | Enter the Nexus URL of the package to deploy | Text | The url to the tar or zip file in the Nexus Repository. |

EXTRA VARIABLES – at Workflow Level

|  |  |  |
| --- | --- | --- |
| **Extra Variables** | **Value** | **Description and Usage** |
| pmp\_url | https://acisbcp.penc.local:7272 | The url to the Password Manager Pro Application – Used to obtain the Oracle Schema Passwords |
| pmp\_Nexus\_Resource | TEST\_NEXUS | The resource within PMP that holds the Nexus Resource |
| pmp\_Nexus\_User | admin | The Nexus User ID to use to export the package from Nexus |
| migration\_log\_url | http://dardanos1bcp.penc.local:7005/ords/devops/test2/log/record2/new/ | The URL for APEX/ORDS that houses the migration\_log table. |

1. Jobs Used by the workflow - http://owl.penc.local:18080/svn/deploy\_automation/trunk/Ansible\_PlayBooks/Harness

| **Job Template** | **Ansible Playbook** | **Credential / host** | **Project** | **Description and Usage** |
| --- | --- | --- | --- | --- |
| create\_single\_schema\_migration | create\_single\_schema\_migration.yml | pencmw – pdeploy1bcp | Harness | Creates Variables/Artifacts for use within the workflows, based on the User supplied survey results.  DeploymentLogDir: >-  /codemove\_common/dp\_automation/tmp/deploymentlog/pensionadmin.common.db.datachng.devl/20220810\_094607  ENV: DEVL  Schema: DATACHNG  StageDir: >-  /codemove\_common/dp\_automation/tmp/stage/pensionadmin.common.db.datachng.devl/20220810\_094607  component\_type: db  date\_time: '20220810\_094607'  main\_component: pensionadmin  stage\_server: diagoras1bcp  sub\_component: common  tower\_hostname: pdeploy1bcp.penc.local |
| stage\_single\_schema\_pmp | stage\_single\_schema\_pmp.yml | codemove on {{stage\_server}} – diagoras1bcp | Harness | {{StageDir}} and {{DeploymentLogDir}} |
| execute\_single\_schema\_pmp | execute\_single\_schema\_pmp.yml | pencmw on pdeploy1bcp or pdevops1bcp  PMP\_ANSIBLE\_AUTH\_TOKEN – for pmp access | Harness | Obtains the password for the NEXUS User from PMP.  Copies the zip/tar file from Nexus with the {{package}} url to the {{StageDir}}  Expands the zip/tar file to {{DeploymentLogDir}}  Removes the {{StageDir}}  Searchs for the migrate.sql file as it can be in either the ‘full’ or ‘incr’ folder  Obtains the password for the Oracle Schema from PMP.  Executes the migrate.sql file against the appropriate environment.  ORA-, OS, SP2- and CPY- Errors will result in the playbook being marked as failed. An attempt to rollback data changes when an ORA- or OS error occurs will be carried out but since the sql script could have DDL in it, this may not be successful. SP2- or CPY- errors are only found **AFTER** the sql and has been executed and a commit has performed. This means the developer should be reviewing the spooled file.  Sends a copy of the sqlplus output to the Ansible Tower User.  Updates the migration\_log table in APEX/ORDS via the {{migration\_log\_url}}. |