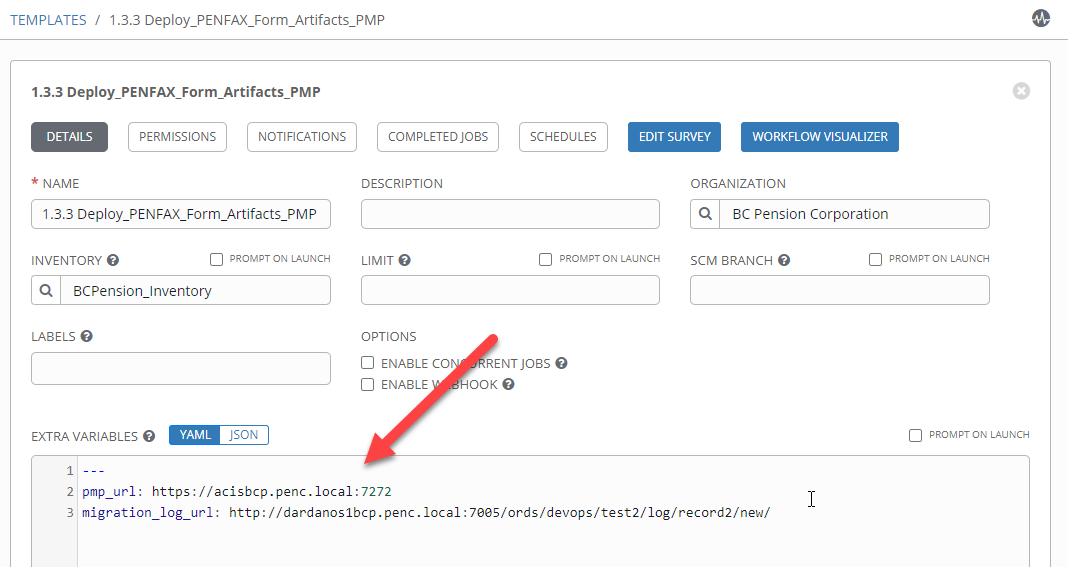
**Technical Documentation – Deploy\_PENFAX\_Forms\_Artifacts\_PMP**

1. Workflow – Stages (from SVN), Compiles and Deploys PENFAX Forms Artifacts to an Environment.

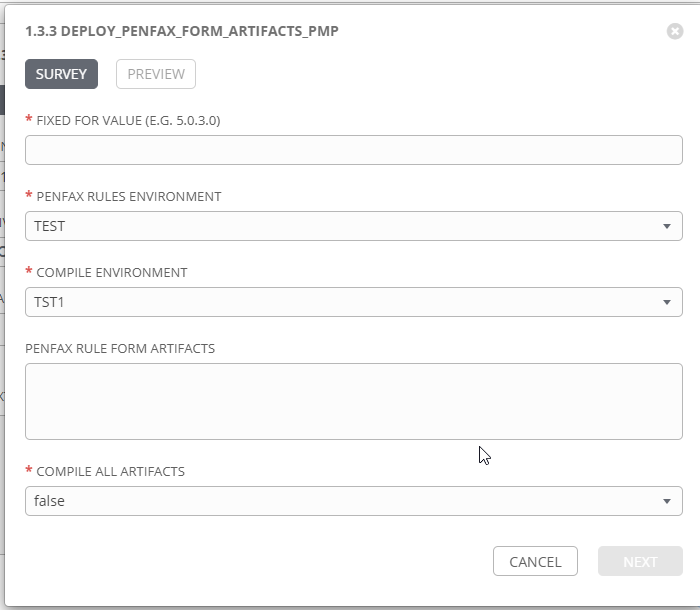


1. Workflow Artifacts

The password manager pro and Apex/ORDs migration log URL are defined at the workflow level.



1. Survey – User Supplied Variables



|  |  |  |  |
| --- | --- | --- | --- |
| **Survey Extra Variables** | **Prompt** | **Type** | **Description and Usage** |
| FFV | Fixed For Value | Text | The fixed for value for the deployment – must be for the format ###.###.###.### (i.e. 58.0.12.0). Numbers only with a maximum of 3 digits and there must be 4 sets separated with a ‘.’. Used to create staging and deployments directories. Used by all job templates in the workflow |
| PNFXENV | Penfax Rules Environment | Multiple Choice Single Pick | The Penfax Rules Environment to Deploy to |
| ENV | Compile Enfironment | Multiple Choice Single Pick | The Environment to Compile the PENFAX Form Artifact against: DEVL, DEV3, RDEV, TST1, TST2, TST3, IPASP. Only a single environment can be compiled against. |
| PnfxArtifacts | Penfax Rule FORM Artifacts | Text Area 20,000 characters | The SVN URL for each PENFAX Form Artifact to be compiled and deployed. Each URL has to be on a separated line.  Note this variable is optional and if left blank the FAR Artifact(s) would have to have been staged by a previous execution. If the stage directory does not contain any artifacts the workflow will fail. |
| CompileAll | Compile All Artifacts | Multiple Choice Single Pick | True or false – default of false will only compile forms and reports that exist in the stage directory. If a pll is part of the deployment, CompileAll **MUST** be set to true, logic being all FAR Artifacts must be recompiled if either is deployed (re: Geoff G.). |

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

| **Job Template** | **Ansible Playbook** | **Credentials / host** | **Project** | **Description and Usage** |
| --- | --- | --- | --- | --- |
| create\_pnfx\_compile\_playbook\_vars | create\_pnfx\_compile\_playbook\_vars.yml | None – runs on localhost as awx linux user | FAR Deployments | Compile\_Directory: /export\_home/codemove/compile/ipas12c/test\_pnfx\_rule  DeploymentLogDir: /codemove\_common/dp\_automation/deployments/069.000/069.000.005.000/FAR  Oracle\_DB: TST1  Runtime\_Directory: /opt/ipas\_app\_test/test\_pnfx\_rule  StageDir: /codemove\_common/dp\_automation/stage/069.000/069.000.005.000/FAR  far\_server: daulis1bcp  stage\_server: diagoras1bcp  tower\_hostname: pdeploy1bcp.penc.local |
| stage\_pnfx\_artifacts | stage\_pnfx\_artifacts.yml | Codemove for {{stage\_server}} – diagoras1bcp  pendeploy\_svn – used to extract artifacts using the svn urls supplied. | FAR Deployments | When the PnfxArtifacts is populated with SVN URLs export the artifacts from SVN and place them in the Online Staging directory {{StageDir}}/artifacts/Online.  Creates a Staging file report in the {{DeploymentLogDir}} |
| check\_pnfx\_staged\_files | check\_pnfx\_staged\_files.yml | Codemove for {{stage\_server}} – diagoras1bcp | FAR Deployments | Checks the {{StageDir}}/artifacts/Pnfx to make sure at least one of \*.fmb, \*.rdf, \*.pll, \*.mmb, \*.tif or \*.olb file(s) exists. If there are no artifacts in the directory or the directory does not exist produce an error. |
| copy\_far\_artifacts\_to\_pnfx | copy\_far\_artifacts\_to\_pnfx.yml | Codemove for {{far\_server}} typically daulis1bcp | FAR Deployments | Copies all FAR Artifacts staged into the {{Compile\_Directory}}. If any \*.olb or \*.tif files exist, copy them to the {{Runtime\_Directory}} since they do NOT get processed by any of the compile playbooks. |
| compile\_pnfx\_forms | compile\_pnfx\_forms.yml  Calls:  compile\_single\_form\_pll.yml  compile\_single\_menu.yml  compile\_single\_form.yml | Codemove for {{far\_server}} typically daulis1bcp  PMP\_ANSIBLE\_AUTH\_TOKEN for the Ansible Password Manager Pro API | FAR Deployments | compile\_pnfx\_forms compiles oracle forms plls, forms menus and forms.  Obtains the {{Schema}} Resource and Accound IDs from password managerpro using the {{ans\_auth\_token}} by passing in {{Schema}} and {{Oracle\_DB}}\_{{Schema}} to the getResourceAccountDetails API.  Obtains the password from Password Manager Pro by passing the RESOURCEID and ACCOUNTID to the getResourceAccountDetails API.  Checks the password against the {{Oracle\_DB}} using sqlplus.  When CompileAll is set to true compile\_single\_form\_pll.yml is called to compile all plls. When a new form pll is migrated it is assumed that CompileAll is set to true, by default it is set to false and NO plls are compiled. If any of the pll compiles result in an error {{Form\_PLL\_Errors}} is updated. {{Form\_PLL\_Feedback}} is updated for each plx created.  When CompileAll is set to true compile\_single\_menu.yml is executed against all mmb files in the {{Compile\_Directory}}. If CompileAll is set to false compile\_single\_menu.yml is executed against all mmb files in the {{StageDir}}/artifacts/Online directory. The resulting mmx files are copied to the {{Runtime\_Directory}}. If any of the mmb compiles result in an error {{Form\_Menus\_Errors}} is updated. {{Form\_Menu\_Feedback}} is updated for each mmx created.  When CompileAll is set to true compile\_single\_form.yml is executed against all fmb files in the {{Compile\_Directory}}. If CompileAll is set to false compile\_single\_form.yml is executed against all fmb files in the {{StageDir}}/artifacts/Pnfx directory. The resulting fmx files are copied to the {{Runtime\_Directory}}. If any of the fmb compiles result in an error {{Form\_Errors}} is updated. {{Form\_Feedback}} is updated for each fmx created. |
| consolidate\_pnfx\_compile\_errors | consolidate\_pnfx\_compile\_errors.yml | None – runs on localhost as awx linux user | FAR Deployments | Consolidates all ERRORS generated – Note that this jobs is used by all Forms and Reports workflows (Online, Batch, web, etc.). |
| populate\_pnfx\_deployment\_logs | populate\_pnfx\_deployment\_logs | Codemove for {{stage\_server}} – diagoras1bcp | FAR Deployments | Populates the deployment log {{DeploymentLogDir}}/{{ENV}}\_PNFX\_Log.html with the pll, mmb, fmb and rdf feedback generated during the compiles.  Populates the error log {{DeploymentLogDir}}/{{ENV}}\_PNFX\_Compile\_Errors.html with any ERRORS generated during the compiles.  If Compile errors exist emails the {{DeploymentLogDir}}/{{ENV}}\_PNFX\_Compile\_Errors.html file to:  - PENC\_ITS\_ADM\_Release\_Management@Victoria1.gov.bc.ca  - PENC\_ITS\_TSS\_Midtier@Victoria1.gov.bc.ca |