Building with Ant

TRANS PLM PROGRAM

<GE Transportation>

<Locomotive>

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Document Revision History

| Date | Author | Description | Revision # |
| --- | --- | --- | --- |
| 01-Oct-2016 | Qadeer | Created | 1 |
| 20-Oct-2016 | Qadeer | Updates to bmide step – Automated new feature installation | 2 |
| 26-Jan-2017 | Anbu | Pre-deployment instruction for T4X config/env files | 3 |
| 26-Apr-2017 | Anbu | Added new section/instruction for data migration deployment | 4 |
| 27-apr-2017 | Hari | Added skip option for org, closure rules, awc tiles | 5 |
| 01-Nov-2017 | Hari | Added options for sbom, transfer\_mode, product\_configurator | 6 |

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# Pre-requisite:

1. Java
2. Ant
3. TC server environment
4. VS2012 for windows and gcc for linux – if building binaries is required
5. Complete the pre-bmide steps prior to proceeding with the deployment - Refer pre-deployment\_instructions\_readme.docx under root directory
6. Ensure Tag is created and delta of changes are captured(between Tag’s) prior to execution/deployment.

# Syntax (Unix env):

Set the below commands in a shell:

export TC\_ROOT=<path to tcroot>

export TC\_DATA=<path to tcdata>

. $TC\_DATA/tc\_profilevars

export ANT\_HOME=<path to ant home>

export GET\_UTILS\_ROOT=<path of GET\_UTILS\_ROOT directory>

export PATH=$PATH:$ANT\_HOME/bin

export TP\_T4XINSTL=<path to GS Home> - set this if t4x changes needs to be deployed.

# The command:

ant -f master\_master.xml -Dinfodba.password=<teamcenter\_infodba\_password> \

[-Dsvn.user=<openge svn username> -Dsvn.password=<open ge password> \

-Dsvn.url=<somebranch> \]| [-Dsvn.nocheckout=TRUE \]

[-Denv\]

[compile \]

[prebmide \]

[bmide \]

[-Dtransplm.skip=TRUE\]

[-Dt4o.skip=TRUE\]

[-Dsbom.skip=TRUE]

[postbmide \]

[-Dcompile.skip=TRUE \]

[-Dbmide.skip=TRUE \]

[-Dorganization.skip=TRUE \]

[-Daccess\_manager.skip=TRUE \]

[-Dclassification.skip=TRUE \]

[-Dnxtc\_attribute\_mapping.skip=TRUE \]

[-Dplmxml.skip=TRUE \]

[-Dpreference.skip=TRUE \]

[-Dproject.skip=TRUE \]

[-Drevision\_rule.skip=TRUE \]

[-Dclosure\_rule.skip=TRUE \]

[-Dsaved\_query.skip=TRUE \]

[-Dstylesheet.skip=TRUE \]

[-Dworkflow.skip=TRUE \]

[-Dbatchlov.skip=TRUE \]

[-Dawctile.skip=TRUE \]

[-Dreport.skip=TRUE\]

[-Dproduct\_configurator.deploy=TRUE]

# The arguments:

* Argument: Default Behavior – No Arguments (SVN URL, SVN USER, SVN PASSWORD, TC INFODBA PASSWORD)
  + By default, all the configurations are deployed unless otherwise arguments to deploy specific configuration or arguments to skip is provided.
* **Argument: BMIDE / PREBMIDE / POSTBMIDE / COMPILE**
  + The argument bmide will only deploy bmide template, prebmide – only prebmide configuration, postbmide – only postbmide configuration and compile – only the binaries, these arguments are independent of each other.
* **Skip Arguments:**
  + The -Dcompile.skip and -Dbmide.skip arguments are to skip deployment of binaries and bmide template respectively. All other \*.skip arguments are to skip the respective configuration deployment. For ex: The argument -Dworkflow.skip=TRUE will skip deployment of workflow templates. These arguments are independent of each other.
* **Env argument:**
  + The argument -Denv is to be supplied to deploy environment specific configuration

NOTE:

* -Dproduct\_configurator.deploy=TRUE, is required for deployment. By default, product configurator is skipped
* -Dtransplm.skip=TRUE, will skip the deployment of get6transplm bmide
* -Dt4o.skip=TRUE, will skip get8t4o bmide and associated pre/post-bmide configuration
* -Dsbom.skip=TRUE, will skip get9service bmide and post-bmide/transfer\_mode

## T4O Deployment alone

1. Set TP\_T4XINSTL=<path to GS Home>

Ex: export TP\_T4XINSTL=/app/t4o/1122/t4o\_apps\_Linux\_x86\_64

1. To deploy t4o configurations, run ant -f master\_master.xml t4o

## Data Migration Build alone

Set the below commands in a shell:

export TC\_ROOT=<path to tcroot>

export TC\_DATA=<path to tcdata>

. $TC\_DATA/tc\_profilevars

export ANT\_HOME=<path to ant home>

export GET\_UTILS\_ROOT=<path of GET\_UTILS\_ROOT directory>

export PATH=$PATH:$ANT\_HOME/bin

Build steps:

1. Checkout or Export “data\_migration” folder alone to specific location.
2. Open shell with above variables set and execute deploy command in “data\_migration” directory
3. Command to Build and Deploy: ant deploy
4. Check the build objects GET\_UTILS\_ROOT directory

# Environment specific deployment:

Use the -Denv argument to deploy environment specific preferences.

# Deployment to be performed manually:

There are few configurations that are to be performed manually, all the instructions to do these are provided in the documents under post-bmide/configurations/manual\_config\_instructions directory. These include but are not limited to the following,

1. tiles for awc
2. deployment of edot war file
3. dispatcher configuration
4. Running encrypt utility and updating rins preference
5. PLM2.1 MANUAL CONFIGURATION.docx for all other manual configurations
6. …