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Testing protocol: Deployment

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Definitions

Envision: Metworx platform for publishing of shiny applications **git:** Version control software **shiny:** Rstudio software for building web applications that use an R engine

Purpose

To validate Deployment requirement of the Pharmacometrics TFL Generator app.

The app is under version control

The application was developed using git version control. The tagged release will exist on the ge1.9 branch of `bitbucket.org:metrumrg/tflgenerator.git`. The release commit ID will be logged as part of the validation, and will serve as proof that the app's development cycle has a valid commit history.

Installation package and instructions work to create new app on a new Envision workflow

The `deliv` directory of the git repository contains a README and installation package for installing and configuring the application. Tests performed under this task will verify that the installation steps are adequate when using a Metworx Envision workflow, as is expected for all deployments of the Pharmacometrics TFL Generator app.

Testing procedures

Testing procedures are outlined in the attached testing document.

References and supporting documents

- Requirements document and overview: `tflgenerator_Requirements_R2.pdf`

Testing log

RID	Topic	Test ID	Step Description	Expected Result	Qualification Note(s)	Pass/Fail
1	The app is under version control	1	Record commit ID for tagged release	git commit ID		
2	Installation package and instructions work to create new app on a new Envision workflow	1	Launch a new Envision workflow	Launch successful		
		2	Upload installation package to Envision workflow via Rstudio	Upload successful		
		3	As root, run asRootpkgSetup.R: cd script sudo R CMD BATCH asRootpkgSetup.R	No errors in as.RootpkgSetup.Rout		
		4	As user, run pkgSetup.R: cd script R CMD BATCH pkgSetup.R	No errors in pkgSetup.Rout		
		5	Copy shiny-server config file to correct location: cp script/shiny-server.conf /etc/shiny-server/shiny-server.conf	Copy successful		
		6	Ensure application is running: Log in to Metworx dashboard, click "Envision", click "TFL Generator",	Application is running		