Propel v 2.1 Cutover procedure

# Local test of installer:

- Create production build and test the installer in local dev.

# In Staging Environment

We must prepare a new Staging env to test the production build. Because Propel is turning more and more mission critical, is the best approach to install production version in a different environment and proceed to a full regression test.

## Staging env preparation - (Propel v2.0):

- If not present, deploy Node.js v14.17.6 LTS (check doc\Configuration Management.docx).

- Deploy MongoDB v5.0.3 x64, (check doc\Configuration Management.docx).

- Deploy Mongo database tools v100.5.0 x64.

- Create the admin user using ".\distrib\cutover\create-admin-user.js".

- Deploy version 2.0.

- Import collections from a current Production DB backup

- Full regression test.

Staging env preparation - (Propel v2.1):

### MongoDB migration details:

Stop Propel Service

Export and backup of database files

Uninstall Mongo DB Tools

Uninstall Mongo v5.0.3

Remove the folder: C:\Program Files\MongoDB

Install Mongo v6.0.2 DB engine (mongodb-windows-x86\_64-6.0.2-signed.msi), as service

Install Mongo Tools (mongodb-database-tools-windows-x86\_64-100.6.0.msi)

Change Path to include current Mongo v6 engine: (distrib\cutover\modify-mongo-path.ps1)

Install Mongosh 1.6 (mongosh-1.6.0-win32-x64.zip). To do this unzip the folder and copy "\bin" folder into "C:\Program Files\MongoDB\Server\6.0\bin"

Test the path changes by executing “mongosh –version” on a powershell console. It must return the value “1.6.0”

Create the Admin user “DBA” by executing the script “distrib\cutover\create-admin-user.js” with mongosh. To do this open a powershell console, change dir to the folder with the script and run the following:

mongosh create-admin-user.js

Stop Mongo DB service

Edit "mongod.cfg" and ensure to have:

security:

authorization: enabled

Start Mongo DB service

Now we need to create the propel DB. So Open a Powershell console and run:

mongosh --eval "var adu='DBA'; var adp=*'HERE the Admin account password*';apu='PropelUser'; var app=*'The new Propel user password*';" 0000-01-create-db-and-user.js

That script is going to create the propel DB and the Propel user with the provided temporal password, (That will be changed during Proper install).

After that we need to run the script to create the propel Collections and indexes:

mongosh --eval "var adu='DBA'; var adp=*'HERE the Admin account password*';apu='PropelUser'; var app=*'The new Propel user password*';" 0000-02-db-script.js

Import to the database the data we exported at the beginning of this section.

### Propel migration details:

- Deploy Node.js v14.20.0

- Import Production Data

- Install Propel v2.1.

- Full regression test.

Production Cutover (New Server)

### MongoDB migration details:

Export production data from the current production DB

In the new server:

Install Mongo v6.0.2 DB engine (mongodb-windows-x86\_64-6.0.2-signed.msi), as service

Install Mongo Tools (mongodb-database-tools-windows-x86\_64-100.6.0.msi)

Change Path env variable to include current Mongo v6 engine: (distrib\cutover\add-mongo-path.ps1)

Install Mongosh 1.6 (mongosh-1.6.0-win32-x64.zip). To do this unzip the folder and copy "\bin" folder into "C:\Program Files\MongoDB\Server\6.0\bin"

Test the path changes by executing “mongosh –version” on a powershell console. It must return the value “1.6.0”

Create the Admin user “DBA” by executing the script “distrib\cutover\create-admin-user.js” with mongosh. To do this open a powershell console, change dir to the folder with the script and run the following:

mongosh create-admin-user.js

Stop Mongo DB service

Edit "mongod.cfg" and ensure to have:

security:

authorization: enabled

Start Mongo DB service

Create the propel DB. So, open a Powershell console and run:

mongosh --eval "var adu='DBA'; var adp=*'HERE the Admin account password*';apu='PropelUser'; var app=*'The new Propel user password*';" 0000-01-create-db-and-user.js

That script is going to create the propel DB and the Propel user with the provided temporal password, (That will be changed during Proper install).

After that we need to run the script to create the propel Collections and indexes:

mongosh --eval "var adu='DBA'; var adp=*'HERE the Admin account password*';apu='PropelUser'; var app=*'The new Propel user password*';" 0000-02-db-script.js

Import to the database the production data we exported at the beginning of this section.

### Propel migration details:

- Deploy Node.js v14.20.0

- Install Propel v2.1.