Process Development

Process Design Gotcha's

- All processes should be done in a development environment. Random errors can happen in in-progress cases!

- Do not deploy new processes before completing all cases.

Process Design Gotcha's (cont.)

- Process Map is **not** collaborative. Only one person is supposed to work on a process at a time.

- ProcessMaker does not work properly with multiple browser tabs or windows when designing a process.

- It is possible to design invalid flows that will not be supported when executed!

Process Design Gotcha's (cont.)

- The name of the task should not be changed when there are cases being executed in the task. The name of the task will not be updated for in-progress cases.

Process Design Gotcha's (cont.)

- `MY_VARIABLE_NAME` , `myVariableName` , `MyVariableName` , `myVariable_name` , `MY_variableName` , `my_variable_name` will be saved correctly in ProcessMaker and will keep their values independent from the other variables, but when generating a report table, they will all map to a column named MY_VARIABLE_NAME.

Process Design Gotcha's (cont.)

- Don't name a variable with "_label" at the end, since variables are automatically created in ProcessMaker using this appendix in their name. For example a variable named "MyVariable" will also include a "MyVariable_label", which stores the text of the field.

Managing ProcessMaker

Development and Prod servers

1. Export your process and PM tables(if any) of that process.

2. Import that process on UAT server.

3. Go to admin panel-> PM table-> Import PM tables.

- Unfortunately, there is no way around the problem. You have to recreate the Database Connections after you import a process.

- You can export and import the entire workspace, but there is no way to export and import a single process without loosing the database connections.

Dev and Prod: Multi-tenant (?)

- Multi-tenant workspace management plugin (Enterprise)

Dev and Prod: PHP

- Managing live and prod, ProcessMaker forum

Version Control

- How to keep track of changes in our processes?
- ProcessMaker stores a few process files under the shared/sites/{workspace} directory, such as your template files any files that you upload to Public Files
- However, most of the process definition is stored in the MySQL database in tables such as PROCESS, TASK, etc.

Version Control (cont.)

- You can create a Linux cron job or Windows Scheduled Task that creates periodic backups with the processmaker workspace-backup command.

Version Control (cont.)

- The other option is to create a script that is executed periodically as a Linux cron job or a Windows Scheduled Task, that uses REST to create backup copies.
    - You can call GET /api/1.0/{workspace}/project to check the "prj_update_date" for each process.
    - If a process has changed, then call GET /api/1.0/{workspace}/project/{prj_uid}/export to export the process as .pmx file and upload it to Github.