Indus Production Line

Configuration Guide

Version 1.18-SNAPSHOT

2018-08-23

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Table 1. History

Date	Author	Detail
2018-08-23	bcouetil	Initial commit

1. Introduction

This document describes, from scratch, how to configure CI Platform on BPM Factory.

This should work for any project using the Production Line from CG Indus team.

2. Prerequisites

2.1. CI PF Initialization

This has to be done only for a new Production Line

Browse and ask for a CI platform :

```
Service Catalog -> iProd -> Production Line - PLaaS -> Production Line Initialization
```

Later, every help tickets will be raised from here :

```
Service Catalog -> iProd -> Production Line - PLaaS -> Production Line Coaching and Support
```

When CI PF is up and running, test the access : https://bpmfactory.s2-eu.nvx.com

2.2. Technical account

This has to be done only for a new Production Line

Using a fake account created in LAM won't work : you can't login to Gerrit with it, hence no HTTP nor SSH key handling is possible.

2.2.1. CORP account

Ask for the creation of a technical account (for communication between Jenkins, SonarQube, Gerrit and Nexus) : raise a ticket in

```
Service Catalog -> iPlan -> Engagement Repository - ERaaS -> CTF: Service account creation
```

Add it to LAM (see below).

The user will have to be re-conducted every 6 months, a mail will be sent to administrator. The password never expires.

2.2.2. Administration

You can administer it here https://corporatedirectory.nvx.com in section **My Service Accounts**

2.3. Visio account with PC

If you have a TV where you want to display your devOps KPI, you have to order a PC with a specific account.

Information :

- Price is 220€ + 78€/month.
- 5-10 days estimated delivery.
- The "Tiny PC" cannot display more than HD.
- As of early 2018, it seems that only Dells can display 4K.

Steps :

- Prepare the list of hosts and ports the PC should access
- Browse https://nvxiticsprod.service-now.com/itics_ess/
- Go to **Order Services** → **Physical Computing** → **Communication** → **Project Skype Conferencing**
- Put the order, giving as much detail as possible (hosts/ports/HD/4K…). Then wait for the validation of the EM.
- Go buy the TV while waiting for the account.

2.3.1. Add hosts/ports

- Browse http://help.nvx.com/
- **IT Infrastructure Services** → **Network Connectivity** → **Request Now**
- Category → **Modify Network Security Rule**
  - Describe the new host/ports to access
  - Give detailed information
    - Login : SVC-FR-VCRNSBPMFACT
    - PC : LFR018678 / 10.69.240.109

3. LDAP Account Manager (lam)

Choose the service **lam** on your production line :

https://bpmfactory.s2-eu.nvx.com/lam/templates/lists/list.php?type=user

Add every user of your project to grant him access to your CI PF :

- **New user**
  - **First name**
  - **Last name** in uppercase
  - **Email adress**
  - **Unix**
    - **User name** : 8 char max, confirm with the person that it is his CORP login, else change
    - **Primary group** : users
  - **Save**

3.1. Mailing list

Follow these steps if and when you need to create a mailing list :

- Browser here : http://help.nvx.com/
- Under section **Popular Requests** click on **(Form) Request for new distribution list**.
- Expand the **Instructions** section and fill all fields
  - the name you provide will have .fr@nvx.com appended
  - for example, if you want a webMethods list for ADM, you can ask a list named "webmethods.adm" and the mailing list will be webmethods.adm.fr@nvx.com
- Click **Submit**
- When created, you can administer it here : https://corporatedirectory.nvx.com
  - Section **My Distribution Lists**

4. FusionForge

Official documentation is here : https://km3.nvx.com/book/1071769

Choose the service "FusionForge" on your production line : https://bpmfactory.s2-eu.nvx.com/fusionforge/

4.1. Add admin rights

By default, only the PL owner has admin rights (create project, create trackers).

Select **Site Admin**, section **Global roles and permissions** → **Forge administrators** → **Edit Role**

Add CORP login next to **Add User** and click it.

The user should have admin rights right away, thus being able to see the **Site Admin** section.

4.2. Create project

In the **Site Admin** tab, section **Project Maintenance**, click on the link **Register New Project**.

Fill the required fields.

Now that the project is created, you can access it by going on the **Projects** tab, then **Project List** and finally clicking on the project name.

4.3. Create tracker

On the project homepage, click on **Tracker** → **Administration**.

Set name "TASKS" and a description, then hit **Submit**.

4.4. Add users

The user must have connected at least once on FusionForge to be available.

To add access to users, on the project homepage, click on **Admin**, then **Users and permissions**.

Two options :

- You know the CORP login, then you can put it in the box
- You don't, then click on **Add Users From List**, then the first letter of the family name, then the user

4.5. Change your name

Your name can be "Forge Admin" at PL reception, here is how to change it :

- Click on **My Page** → Tab **My Account**
- Change your **First Name** and **Last Name**
- Hit save

5. Nexus2

Deprecated, use Nexus3

5.1. Define rights of technical account

This has to be done only for a new Production Line

The technical account has to be created in CORP and defined in LAM as an administrator

- Click on **Security** → **Users**
- Select **LDAP** (next to **Delete**) and search for your technical account name. It should appear in list below.
- In **Config** section associated, there is only **admins** Role.
- Add these roles :
  - **Nexus Deployment Role**
  - **Nexus Developer Role**
  - **Repo: All Repositories (Full Control)**

5.2. Set SNAPSHOT retention

This has to be done only for a new Production Line

- Go to **Administration** → **Scheduled Tasks** → **Add**
- Define the attributes :
  - Name = Delete old snapshots
  - Task Type = Remove Snapshots From Repository
  - Repository/Group = All Repositories
  - Minimum snapshot count = 5
  - Snapshot retention (days) = 7
  - Remove if released = [ ]
    - Else, you can end up loosing all SNAPSHOTS without notice !
  - Delete immediately = [x]
  - Recurrence = Daily
  - Recurring Time = 8:00

5.3. Add a proxy (=remote) repository

- Connect to Nexus
- Click on **Repositories** → **Add...** → **Proxy**
- Fill, example sonatype snapshot
  - Repository ID = sonatype-snapshots
  - Repository Name = Sonatype Snapshots
  - Repository Type = proxy
  - Repository Policy = Snapshot
  - Remote Storage Location = https://oss.sonatype.org/content/repositories/snapshots/
  - Download Remote Indexes = False
- Hit save
- Click on bottom section **Routing** → **Update now**
- Go back to **Repositories** and select **Public Repositories**
- In bottom section **Configuration** add your new repository to the right
- Hit save

Now artifacts should be accessible via maven if the settings.xml is well configured to reach the Nexus.

Repositories to add

- For SchemaSpy : http://www.wakaleo.com/maven/repos

5.4. Install WM servers

5.4.1. Prerequisites

Enable X11, ssh graphical

- On Windows machine
  - install Xming
  - configure putty session for X11 :
  - Connection > SSH > X11
  - check "ENable X11"
  - X display location = localhost:0.0
- On linux VM

```
apt-get install libfontconfig1 libxrender1
apt-get install libxtst6
apt-get install libxi6
```

Install Java

- https://tecadmin.net/install-oracle-java-8-ubuntu-via-ppa/

Setup hosts

```
vi /etc/hosts
```

```
127.0.0.1 dbhost umhost ishost
```

Prepare database

```
./dbConfigurator.sh -i -file wm-db-script.xml -dir . --password=WMUSER --admin_password=oracle
```

5.4.2. Install IS & UM manually

TODO

6. Appendix

6.1. Revision marks

Differences since last tag