

NARMS P2P

Development Installation Manual

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Swordfish

– NARMS P2P – New ATCO Reporting and Monitoring System	Publication date		– SPARCS – Software Product Architecture Resources Control System
	Project name	NARMS P2P	
	Subject	Development Installation Manual	
	Chapter name		

Change history

Here you would provide a history of changes made to the document. Only for big documents, only if needed.

Date	Ver.	Author	Section	Details
17/02/16	1.0	Jeremy Harrault	All	Frist version

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Pre-requisite

- Virtual machine (VirtualBox: <https://www.virtualbox.org/wiki/Downloads>)
- Linux image (openSuse: <http://software.opensuse.org/421/en>)
- Tool to mount virtual disk (PowerISO: <http://www.poweriso.com/download.php>)

In this manual, I'm going to use the tools indicated above. You are free to use others but the success of the installation is not guarantee anymore.

Installing your virtual machine

- 1) Mount your Linux image on drive using PowerISO.
- 2) Launch Virtual box and create a new virtual machine. Create a new virtual hard disk (with at least 16GB)
- 3) Indicate the hard disk and the image to use to your virtual machine.
- 4) Launch your virtual machine.
- 5) Install openSuse.
- 6) Log in openSuse
- 7) Execute the following set of command in your home directory and follow the instruction for each of them.

```
$> mkdir NARMS; cd NARMS # create and enter you work folder
$> sudo apt-get install git # install git
$> git clone https://github.com/JU-SPARCS/NARMS.git # get NARMS GIT repository

$> sudo apt-get install ruby2.2-devel # install ruby2.2 for developers
$> sudo ln -s /usr/bin/ruby.ruby2.2 /usr/bin/ruby # set ruby with the version 2.2. This can be also be made using rvm.

$> sudo gem install padrino # install padrino
$> sudo ln -s /usr/bin/padrino.ruby2.2 /usr/bin/padrino # create shortcut for padrino

$> sudo apt-get install gcc #install gcc compiler
$> sudo gem install json -v '1.8.3' # install json module

$> sudo apt-get install libmysqlclient-dev # install mysql librairies
$> sudo gem install mysql2 -v '0.4.2' # install mysql
$> bundle.ruby2.2 install # install all needed dependencies
```

- 8) Add environment files in the root of the project. They contain databases information.

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9) Launch the following command

```
$> sudo service mysql start # start the mysql server

$> cd NARMS/project # enter the project folder
$> rake ar:setup # set up the database. Ignore the input texts for seeding

$>; padrino start # start the server
```