# ON SITE SET UP GUIDE RUBY PROGRAMMING & RUBY on RAILS COURSES

This setup guide relates to the following courses:

* Ruby Programming
* Ruby on Rails
* Ruby Programming & Ruby on Rails

# HARDWARE

For the Ruby Programming and Ruby on Rails courses the client will need to provide;

The Trainer and Delegates with their own RHEL6 - CentOS6 Linux System.

The client will need to ensure;

All machines are set up correctly for the course including user login accounts, permissions, etc.

# SOFTWARE

Rails requires that Ruby is at version 1.9.3 or later. The supplied – supported – version of Ruby from RHEL/CentOS is 1.8.7

There is currently no supplied RPM for Ruby at 1.9.3.

Detailed below is a possible solution using RVM – Ruby Version Manager - this is an open source system freely available.

These steps also require the system access to the Internet to download the required software components.

The following steps should only be applied to a dedicated training system as certain security features of Linux will need to be disabled and un-restricted sudo access will be granted to the new user added as part of this setup.

The logout/logins are required as rvm adds a script to /etc/profile.d which is only run during login NOT su -.

The yum install commands have been split over several lines for clarity – these could be run as a single command line.

#As the root user run the following command

setenforce 0

chkconfig iptables off

chkconfig ip6tables off

service iptables stop

service ip6tables stop

#edit /etc/selinux/config and set SELINUX=disabled

yum update

yum -y groupinstall "Development Tools"

yum -y install ntp zlib zlib-devel sqlite-devel httpd

yum -y install mysql-server mysql-devel curl-devel httpd-devel apr-devel

yum -y install apr-util-devel mlocate libxslt-devel

yum -y install libffi-devel readline-devel

#Run visudo and Uncomment the line

#%wheel ALL=(ALL) NOPASSWD:ALL

# towards the bottom of the file.

adduser user1

passwd user1

usermod -G wheel user1

#Now logout and log back in as user1 and execute the following as a single line

gpg2 --recv-keys 409B6B1796C275462A1703113804BB82D39DC0E3 7D2BAF1CF37B13E2069D6956105BD0E739499BDB

\curl -sSL https://get.rvm.io | sudo bash -s stable --rails

#logout as user1 and login as root and run

usermod -G wheel,rvm user1

#logout and login as user1 and execute the following commands

rvm install 1.9.3

rvm use 1.9.3 --default

rvm rubygems current

gem install rails

sudo yum -y install nodejs

**CLASSROOM**

Training should be held in a dedicated training room or other suitable place and should be suitably sized to accommodate the attendees and the trainer. It should be appropriately furnished and equipped for training so as to provide an environment that is conducive to learning.

The training room will need to be provisioned with a data projector, projector screen, whiteboard and/or flipchart, dry board marker pens, board erasers and sufficient power sockets, tables and chairs.

*Electronic Course Materials*

*Delegates will be accessing Electronic Course Material throughout the course. To achieve an optimum learning experience, we highly recommend that the delegates have access to a second screen in order to view their course materials separately from their main screen.*

*Optional Additional Service (Printed Course Materials)*

*In addition to providing electronic course materials, Printed Course Materials can also be provided at an extra cost per manual supplied. The fee charged includes the cost of couriering the printed course materials to the training venue. Please advise at the time of booking if this optional additional service is required.*

### NOTES

* The trainer will need exactly the same set up as each delegate
* The client company will be responsible for all machine set up including user logins, permissions, etc.
* Training cannot be undertaken using client company equipment without discussion with the client regards to the equipment provided.
* Given the high technical content of this course, we would strongly recommend that any kit provided by the client are training systems and not live systems and any account created is specifically for the purpose of training.
* If the client is unable to provide the required systems, pre-configured PCs can be provided or the course could be delivered at one of our training centres. Refer to your salesperson for details of rental charges for on-site training courses.