

Plugfest 2 Virtual Machine Issues & FAQ

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Known Issues

LR crashes due to missing logging routes

This is a misconfiguration of the production.ini . This file is located at /home/lreg/LearningRegistry/LR/production.ini. A complete and corrected version is available here: <https://gist.github.com/1584446>

Alternatively you may add the missing configuration to the existing file by appending the following to production.ini:

```
[loggers]
keys = root, routes, lr

[formatter_generic]
datefmt = %H:%M:%S
format = %(asctime)s,%(msecs)03d %(levelname)-5.5s [% (name)s] [% (threadName)s]
%(message)s

[handler_console]
formatter = generic
args = (sys.stderr,)
class = StreamHandler
level = NOTSET

[handlers]
```

```
keys = console

[logger_lr]
handlers =
qualname = lr
level = DEBUG

[formatters]
keys = generic

[logger_root]
handlers = console
level = INFO

[logger_routes]
handlers =
qualname = routes.middleware
level = INFO
```

FAQ

What is installed on the VM Image?

The image contains an basic install of the Learning Registry node software which is pulled from latest stable revision on the LearningRegistry/master branch. This node is configured to work with and without SSL+Basic Auth, to best allow you develop services in a manner without having to be concerned about security early.

Also included are some of the tools to interface with a LR node, such as LRSignature and LRDatapump.

The VM Image has a web based system management solution available at:

<https://<ip address of vm>:10000/>

SMB/Windows file sharing is also enabled on the image to allow users to edit and view files with tools they are most familiar with.

When the VM first boots, it will display some information regarding IP Address, and URL's for webmin, LR, and VM.

How do I login to the VM?

All accounts use the same password: "password".

There are several user accounts available:

lreg: This is the node administrator with sudo privileges.

couchdb: This the account couchdb is installed under and has sudo privileges.

lrtool: This is an account that has a few of the LR tools preinstalled.

How do I use the VM?

There are 2 versions of the VM provided. There are .OVA and .VMDK versions that are compatible with Oracle's VirtualBox and VMWare's Player, Workstation, Server ESX, and Fusion products. Refer to each products documentation for using the proper image.

We suggest that if using VirtualBox to use Bridged Networking to simplify access from the host machine to the guest virtual machine via ssh, HTTP, and SMB. VMWare does not appear to have this issue as it assigns the host machine an IP address on the same network as the Guest when using NAT. Refer to your VM host's instructions on how to configure Bridged or NAT networking. It's suggested to simply reboot the VM after making network changes, however you may just restart the network services on the client.

How do I reboot the VM?

Login to the VM as lreg and run the following command at the prompt:

```
sudo shutdown -r now
```

How do I shutdown the VM?

Login to the VM as lreg and run the following command at the prompt:

```
sudo shutdown -h now
```

How do I copy files to the VM?

You can use SMB or SCP using the address listed on the VM's login prompt. SMB default shares are listed at the login prompt. You may add more via the Webmin interface.

For SMB:

On Windows, at the Start bar, type \\<vm ip address>\<file share>, you will be prompted for user name & password. Use any account you desire that has access to the file share you selected.

On OS X, in Finder, GO > Connect to Server..., type smb://<vm ip address/, you will be

prompted for user name & password. Use any account you desire that has access to the location you wish to move files, then select the mount point you wish to connect.

For SCP:

There are several freely available SCP clients available for both Windows and OS X. WinSCP (<http://winscp.net>) and Cyberduck (<http://cyberduck.ch>) are GUI SCP clients available for Windows and OS X. You may also use command line versions available in Cygwin (Windows) or Terminal (OS X). General usage for the command line is:

```
scp <source> <destination>
```

where <source> or <destination> [<user>@<hostname>:]<path>. Example:

```
scp ./myfile.txt lreg@192.168.98.129:/home/lreg/myfile.txt
```

Where does stuff get logged?

On the VM:

/var/log/learningregistry/ - LR Node software logs here

/var/log/nginx/ - NGINX web server logs

/opt/couchdb/var/log/couchdb/ - CouchDB log files.

You can access all of these locations via SMB file sharing as well.

Where can I find more information?

1. Check out the [Learning Registry in 20 Minutes or Less](#) guide.
2. Browse or search the [email archives](#).
3. Ask a question on the [Learning Registry Developers Group](#).
4. Discover some documentation on the [Learning Registry website](#).
5. Browse the Learning Registry's [Wiki on GitHub](#).