
Installation & Upgrade Guide

Red Hat® Installation

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Technical Support

The Bynari Insight Server products can be purchased with one of the following technical support options included:

- Without Support – 90 day of free product maintenance and upgrades.
- With Support – 1 year product maintenance, upgrades and unlimited email and telephone support.

Available to customers from anywhere.

To contact technical support

Phone 1-214-350-5772 or email: support@bynari.net

For FAQs: <http://www.bynari.net/faq/>



Table of Contents

Installation & Upgrade Guide.....	1
Technical Support.....	2
Introduction	4
Prerequisites for Insight Server	4
Existing Installation of Red Hat.....	6
Recovering from existing running Services	6
New Installation of Red Hat	7
Installation steps	7
New 4.1 Insight Server Installation	8
4.0 to 4.1 Insight Server Upgrade.....	9
Pre-installation checklist:	9
Upgrade from 4.0 to 4.1 on the same hardware server:	9
To upgrade from 4.0 to 4.1 on a new hardware server:	9



Introduction

The insight server install is an rpm package that is managed by the Red Hat rpm package handler. However, certain configurations need to be in place for a complete installation.

Before installing Insight Server, please make sure that the requirements for Red Hat Operating System are met. This document assumes that Red Hat Version 9.0 is installed.

Minimum System requirements for Insight Server:

- Minimum 1 GB of hard drive space for Bynari installation
- Bynari Installation directory is /opt/insight
- User Disk Space - To be determined by user activity
- Minimum of 128MB swap partition
- Pentium II class or higher i686 based processors
- 256 MB Ram (If SpamAssassin is to be used : Minimum of 512 MB Ram)
- Network Interface Card/Ethernet

If you are running any Red Hat updates, please backup Insight Server prior to the upgrade of your Red Hat Operating system.

If you are UPGRADING any version 4.x (for instance 4.x.1 to 4.x.2 to 4.x.5), there is an upgrade issue with the Red Hat rpm; Red Hat tries to UNINSTALL the old RPM after upgrading the Insight Server. This will remove the /opt/insight directory; to avoid this issue, please upgrade Insight Server using the

" --nopostun" option.

Full command for an upgrade is as follows:

```
# rpm -Uvh --force --nodeps --nopostun insightserver-x.x-x.i386.rpm
```

Prerequisites for Insight Server

Following is a checklist of information that is needed when installing Insight Server on the system. Some of this information can be obtained from the system administrators; other vital information can be obtained from the network administrators.

- [TCP/IP address of mail server](#)
- [Hostname of mail server](#)
- [Domain in which the server will reside](#)
- [Hard drive space required by mail users \(Bynari uses /opt partition\)](#)
- [Insight Server license key or demo key \(30 day free trial\)](#)



Some of the configuration information, listed above, can be displayed by using the following commands on the Red Hat server:

```
#hostname -a   Hostname of the system
#hostname -d   Domain name of the system
#hostname -f   The Fully Qualified Domain Name (FQDN) of the system
```

Please ensure that the configuration information is correct before starting the installation process of the Insight Server.

To change any of the above configuration parameters to a new name, the "hostname" command can be used:

```
#hostname mail1.domain.com
```

In addition to the above, it may be necessary to edit the /etc/hosts file. Example of a hosts file:

```
# Do not remove the following line, or various programs
# that require network functionality will fail.
127.0.0.1          localhost.localdomain localhost
192.168.3.82      cpq1mail.mmlab.com   cpq1mail
```

Once the information above has been modified, please follow the section below for the Red Hat installation.



Existing Installation of Red Hat

The following command can be used to determine which of these ports is in use by a currently running process:

```
# netstat -tanp
```

Information on ports used by Insight Server:

21: FTP (For Free/Busy Publishing)
22: SSH (Default in Linux)
25: SMTP
80: Apache
110: POP3
143: Cyrus/IMAP
389: LDAP
443: Secure Port for Apache
636: Secure Port for LDAP
993: Secure Port for Cyrus/IMAP

Disabling ports needed by Insight Server

The most common services that are in used, are from applications, such as Sendmail and Apache. To stop and configure Sendmail so that it does not startup at the next reboot time, type the following at the Linux prompt:

```
#chkconfig --level 2345 Sendmail off ; service Sendmail stop
```

For Apache:

```
#chkconfig --level 2345 httpd off ; service httpd stop
```

Warning: If you do not turn off sendmail or other services running on any of the ports listed above, the installation will be not completed normally!

Recovering from existing running Services

If the steps above were not taken, then to recover from the installation, follow the below steps to complete the installation.

Common error message received:

“Error: Can't start until the following ports are available”

1. Stop the service above for sendmail and apache.
2. Once the service currently using the port has been stopped you can continue the setup process by running the command...

```
# /opt/insight/etc/insightserver-setup.sh
```



3. Often when this issue occurs the default password is not displayed at the end of the installation process. To retrieve this information run the following command...

```
# grep rootpw /opt/insight/etc/openldap/slapd.conf  
rootpw {default pw here}
```

Note: Once the password is changed, it is stored in an encrypted format in this directory. You must have a utility to retrieve this information.

New Installation of Red Hat

Installation steps

Follow the onscreen prompts with a fresh installation of Red Hat and make the following choices.

1. Introduction → click next
2. Language → Choose Language → click next
3. Keyboard Language → Choose → click next
4. Mouse type → Choose → click next
5. Linux will search for previous installations
6. Installation type → Choose Server → click next
7. Partitioning → Choose → click next
8. Network Configuration
 - a. Ensure that the host name (FQDN), that is entered, is the correct name that is reflected in the MX and A records, such as mail.bynari.net
 - b. Enter the static IP address that the MX and A records will point to.
 - c. Enter the appropriate Gateway address for the network
 - d. Enter the appropriate DNS server address
9. Firewall options → Choose No Firewall → click next
10. Additional Languages → Choose → click next
11. Time Zone → Choose → click next
12. Password → Set → click next
13. Packages → Deselect Web Server, Do not add Mail Server
14. Finish installation normally (refer to your OS documentation)
15. Reboot
16. After rebooting, certain services need to be stopped to ensure a clean installation of the Insight Server.
17. The most common services are Sendmail and Apache.
18. To stop and configure Sendmail so that it does not startup at the next reboot time, type the following at the Linux prompt:

```
#chkconfig --level 2345 Sendmail off ; service Sendmail  
stop
```

For Apache:

```
#chkconfig --level 2345 httpd off ; service httpd stop
```

**If the above services were not stopped, please go to page 6
“Recovering from existing running Services”**



New 4.1 Insight Server Installation

Note: PLEASE MAKE TWO BACKUPS OF YOUR DATA BEFORE STARTING ANY upgrade process.

Installation Steps

1. Start a Shell session.
2. Login as ROOT
3. Type the following to begin the rpm installation;

```
# rpm -i insightserver-x.x-x.i386.rpm
```
4. After the rpm installation, start the server with the command shown:

```
# /etc/init.d/insightserver start
```
5. Insight Server will automatically start the configuration. When it is complete, (PLEASE WRITE DOWN THE PASSWORD UPON COMPLETION!) a unique manager password will be created. This password is used to login, initially, to the Insight Server.

An example of the final output:

"Your Server has been setup with the administrative account username of 'manager' and the default password of 'CDriaeYZ' -- Please change this immediately!"

6. To administer the Insight Server, go to the web admin console (open a browser and type `http://yourserveripaddress` [or the Fully Qualified Domain Name (FQDN) that the DNS server will recognize for your Insight Server.]
7. A login screen will appear; user name is "manager" and the default password is the one noted at the end of the installation.
8. The "Registration" section will appear. Read and agree to the End User License Agreement (EULA).
9. Enter your license key or go to 30 day evaluation mode.
10. It is recommended that you change the password for "manager".
11. To change your password, go to the Accounts section, click on manager account.

Congratulations! Your server is now installed and ready for use. See the Server Administrators Guide for further information.



4.0 to 4.1 Insight Server Upgrade

Note: PLEASE MAKE TWO BACKUPS OF YOUR DATA BEFORE STARTING ANY upgrade process.

Pre-installation checklist:

Objects that will not get migrated:

- User-created rules/filters (Sieve rules)
- User-modified/customized configuration for Postfix, Apache, OpenLDAP, ProFTPD, Cyrus.
- SpamAssassin settings
- WebClient user-preferences

Upgrade from 4.0 to 4.1 on the same hardware server:

Download and install Insight Server 4.1 on the existing server, and run this command to install:

```
# rpm -i insightserver-4.1.0-*.rpm
```

To upgrade from 4.0 to 4.1 on a new hardware server:

1. Tar the /opt/is4 install directory from the current 4.0 server.

```
tar czvf is4.tgz /opt/is4
```

2. Un-tar the tar file on the new server into /opt/is4/ install directory

```
tar xzvf is4.tgz -C /
```

3. Download and install Insight Server 4.1 on the new server, and run this command to install:

```
# rpm -i insightserver-4.1.0-*.rpm
```

At the installation time, /opt/is4 installations will get upgraded automatically. To upgrade, just install Insight Server 4.1 rpm as new on the existing 4.0 Insight Server: