



PRODUCT RELEASE



Xinet 2023.6.4
June 2023



RELEASE SUMMARY

Installation

The latest Xinet installation files are found on the IgniteTech software distribution [portal](#). The latest Xinet installation instructions can be found on the [Knowledge Base](#). RH9 requires one additional pre-installation step which is described in this document. If you encounter any issues, please contact our [support team](#).

Server Prerequisites

- SERVER should be a Red Hat Enterprise Linux (RHEL) Server 64-bit version 9.0 or above
- Should have a valid RedHat subscription to download **codeready** packages

Installer will download the required RHEL 9 dependent libraries and services which require patching to make them work along with XINET.

Certified Platforms

Below are the component versions that are officially supported by IgniteTech for this version of Xinet.

SERVER	Operating systems: Red Hat Enterprise Linux (RHEL) Server 64-bit version 9.1
CLIENT	Operating Systems <ul style="list-style-type: none">• Mac OS 10.15• Windows 10
PLUGINS	Xinet Adobe Plugins <ul style="list-style-type: none">• MacOS: Adobe InDesign 2023, Adobe Illustrator 2022• Windows: Adobe InDesign 2022 Browsers <ul style="list-style-type: none">• Chrome, Safari, Firefox (current latest versions for supported operating systems)

Notable changes

- Xinet will make use of system libraries installed in RH9 than customized versions as much as possible
- The video subsystem is no longer supported.
- Samba will be enabled for registry shares
- CUPS system continues to support interface scripts even in 2.4.2

Library version upgrades

The following libraries/dependencies have been upgraded:

Component	Old Version	New Version
OpenSSL	1.0.2	3.0.7
GhostScript	9.54.2	9.54.2 With Patches for CVE-2021-3781 and CVE-2020-15900
Jpeg	9c	LibJpeg Turbo 2.0.90
OpenJpeg	2..3.0	2.4.0
Curl and related ssh2 , zip libraries	libcurl/7.29.0 zlib/1.2.7 libssh2/1.8.0	libcurl/7.76.1 zlib/1.2.11 libssh/0.10.4
Samba	4.10.16	4.18.1
Cups	1.6.3	2.4.2
Http Auth Mellon	0.12	0.18.1
Httpd	2.4.12	2.4.53
Solr	8.5.3	9.1.1
Java	7	17
MySQL	5.6 (5.7)	8.0.33



Before Install

We need a working internet connection to reach out for yum installs. Please make sure the machine is registered with RHEL. Command if you are registering individual nodes

```
subscription-manager register --username (username) --password  
(password)
```

Optional DNS settings

If we need to add DNS please use the following and restart networking

```
sudo nmcli connection modify System\ eth0 +ipv4.dns 8.8.8.8,8.8.4.4  
sudo systemctl restart NetworkManager
```

Prepare RedHat machine

Install wget and unzip if not present, then download both the server and portal artifacts:

```
sudo yum install -y wget unzip
```

```
wget  
https://xinet-release.s3.amazonaws.com/redhat9/Xinet-2023.28280.500.1  
08-release-LINUX-9.zip
```

```
wget  
https://xinet-release.s3.amazonaws.com/2023.5/XWNPortal-LINUX-PHP8.1-  
2023.5.3.552-release.tar
```

```
unzip Xinet-2023.28280.500.108-release-LINUX-9.zip
```

```
tar xvf XWNPortal-LINUX-PHP8.1-2023.5.3.552-release.tar
```

```
tar zxvf rh9.tar.gz
```

Finally, run the Red Hat 9 dependency installer:

```
cd rh9 && sudo sh ./preinstall-rh9
```

The preinstall-rh9 script:

- Will print out the hardware ID of the machine.
- Will take around 30 minutes on a AWS t3.medium EC2 instance. Or 10 min on c5x.large

- It can be executed again without any side effects, in case of a break because of network or unintended failure/spot capacity issues.

Setup the Xinet license

It's recommended to set up the license files before you execute the installation.

- Get the HW id from the preinstall-rh9 script output (see last 2-3 lines)
- `sudo mkdir -p /usr/adm/appletalk`
- `echo xxxxx | sudo tee -a /usr/adm/appletalk/serial`
 - replace xxxxx with real values
- `echo xxxxx | sudo tee -a /usr/adm/appletalk/license`
 - replace xxxxx with real values

Install Xinet Server + Portal

There is no change in this process, compared to a regular Xinet software installation.

- Run
 - This will set the password for root for all mysql commands
 - `mysql_config_editor set --login-path=venturecommands --user=root --password`
 - Set the password xinetrlz
 - `cd ~/ && sudo ./install && sudo ./installportal`

FAQ

- It's ok to observe these messages [These are first time warnings on checking solr and mysql]
 - Error -1 when starting mysqld...
- If you notice "dtrebuild: [xxxxx] Could not find a valid serial number"
 - This is just a warning, not an error. Dtrebuild will also run after you setup the license via the UI
 - You haven't setup the license
 - `sudo /usr/etc/appletalk/atlic`
 - You will be asked to enter the serial number and license
- In webportal if you notice "unable to save encoding", you should stop and restart httpd
 - `sudo systemctl stop httpd`

- `sudo httpd`

Upgrading existing Xinet to RedHat 9

- Run the data conversion scripts

In CentOS 7 [ie the current production version node]

```
wget
```

```
https://xinet-release.s3.amazonaws.com/redhat9/Xinet-2023.28280.500.108-release-LINUX-9.zip
```

```
unzip Xinet-2023.28280.500.108-release-LINUX-9.zip
```

```
./preinstall # This will convert data
```

- Install a new RH9 server (refer to the section [above](#))

- Copy the converted data into the new server

```
scp -i <PEM_FILE> <MYSQL_DATA_TAR_FILE>
```

```
ec2-user@<RH9_EC2_IP>:<DESTINATION_PATH>
```

```
e.g. scp -i "b0xzitb.pem" upgraded_mysql_data.tar.2023.05.23.170355.gz
```

```
ec2-user@10.187.128.12:/home/ec2-user
```

- Run the data Ingest script

```
cd ~/rh9 && sudo sh ./ingest <MYSQL_DATA_TAR_FILE>
```

```
e.g. cd ~/rh9 && sudo sh ./ingest
```

```
/home/ec2-user/upgraded_mysql_data.2023.05.23.183117.tar.gz
```

- Cleanup

In CentOS7:

```
cd ~/rh9 && sudo sh ./conversion_cleanup
```

In RH9:

```
cd ~/rh9 && sudo sh ./ingest_cleanup
```

Additional Information

If you would like to upgrade your support plan to take advantage of the [Unlimited Program features](#), please contact us for more information. If you have any questions about this release, please open a [support ticket](#) and our support team will be happy to assist you.

To ensure all of the appropriate staff within your organization are informed about important product updates, please notify success@ignitetech.com with emails for individuals who should receive these announcements.