



Motadata Installation

Using Tar Method

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1 Installation using Tar

The Motadata (Version 7.5.5 and above) is available as a Tar file format instead of the traditional ISO file. This means, Motadata became less bulky to download and quicker to install. The Tar installation is supported on common Linux platforms like CentOS and RHEL. This guide covers all the steps to help you in installing the Motadata. The installation guide should be used for following type of installations:

- Standalone server installation
- Distributed server installation

Note: This guide only focus on installation of Motadata. For configuration, we have separate guide with different use case scenarios.

1.1 Prerequisites

- RHEL 7.7 / CentOS 7.7 should be installed on the before installing Motadata
- Command to verify CentOS Version : `cat /etc/centos-release`
 - Output :- CentOS Linux release 7.7.1908 (Core)
- Command to verify RHEL Version : `cat /etc/redhat-release`
 - Output :- Red Hat Enterprise Linux Server release 7.7 (Maipo)
- Root user privileges on server

1.2 NOTE

- The installation guide is for Motadata Master, RPE and Datanode servers.
- The installation method is supported for both standalone and distributed environment.
- Run the script in step 12 only in RHEL 7.7 minimal / CentOS 7.7 minimal server
- Step 2 to step 9 are Mandatory for Master and Datanode installation, optional for RPE/Observer installation

1.3 Steps

After Installation of OS create '/motadata' btrfs partition in MASTER and DATANODE servers.

1. Make a new '/motadata' directory in root directory.

```
mkdir /motadata
```

2. Check available free space in Volume Group ex. "vg0". Make sure the volume has minimum 40 G available as free space

```
vgs
```

3. Create a logical volume "motadata" in volume group which is configured while OS installation. Keep the size of the partition sufficiently large (minimum 40 GB).

```
lvcreate -L +80G -n motadata vg0
```

if asked about Btrfs signature. Select 'y' to wipe it.

Command output: Logical volume "motadata" created

4. Check created logical volume

```
lvs
```

Command output: motadata "vg0 -wi-a----- 80.00g"

- Change the partition type of 'motadata' as Btrfs partition:

```
mkfs.btrfs /dev/vg0/motadata
```

- Mount motadata volume to a '/motadata' directory

```
mount /dev/vg0/motadata /motadata/
```

- Verify mount point of '/motadata' directory

```
df -Th
```

Command output: /dev/mapper/vg0-motadata btrfs 80G 4.0G 75G 5% /motadata

- Edit /etc/fstab file.

```
vi /etc/fstab
```

- Add mount point entry in "/etc/fstab" file of motadata partition. Copy and paste following line after the last line in the file.

```
/dev/mapper/vg0-motadata /motadata btrfs defaults 1 2
```

Save file using wq!

- Reboot the server.

```
Sudo reboot
```

- Verify mount point of '/motadata' directory

```
df -Th
```

Command output: /dev/mapper/vg0-motadata btrfs 80G 4.0G 75G 5% /motadata

- Download the MOTADATA-RHEL.tar.gz in "/motadata" directory

```
cd /motadata
```

```
wget //copy paste download link here.
```

- Extract the tar file.

```
tar -zxvf MOTADATA-RHEL.tar.gz
```

- Go to MOTADATA-RHEL folder and run Motadata-install.sh

```
cd MOTADATA-RHEL
```

```
sh Motadata-install.sh
```

System will ask for "Installation Type:". Based on your requirement, choose from below values:

Installation Type	Server Name	Input Value
Standalone	Master	MASTER
Distributed	Master	MASTER
Distributed	RPE	RPE
Distributed	Datanode	DATANODE

Distributed	Observer	OBSERVER
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```

root@localhost:/motadata/MOTADATA-RHEL
[root@localhost ~]# cd /motadata/MOTADATA-RHEL
[root@localhost MOTADATA-RHEL]# sh Motadata-install.sh
Continuing with Motadata Installation
Give input from MASTER/RPE/DATANODE/OBSERVER

Installation Type: MASTER
  
```

15. Start the motadata service to test the installation.

```

service motadata start

wait few minutes for service to get started
  
```

16. Try opening the Motadata in a different device (in same network).



