

Enabling Replication

The following information illustrates the steps required to enable a High Availability Replicant Server.

It is assumed that you already have a functional installation of TapeTrack Server running.

All steps must be performed in the order presented to create a successful connection between the Master and Replicant Server.

IP addresses included in the instructions are for demonstration only, these must be replaced with your correct values.

Steps On Remote Server

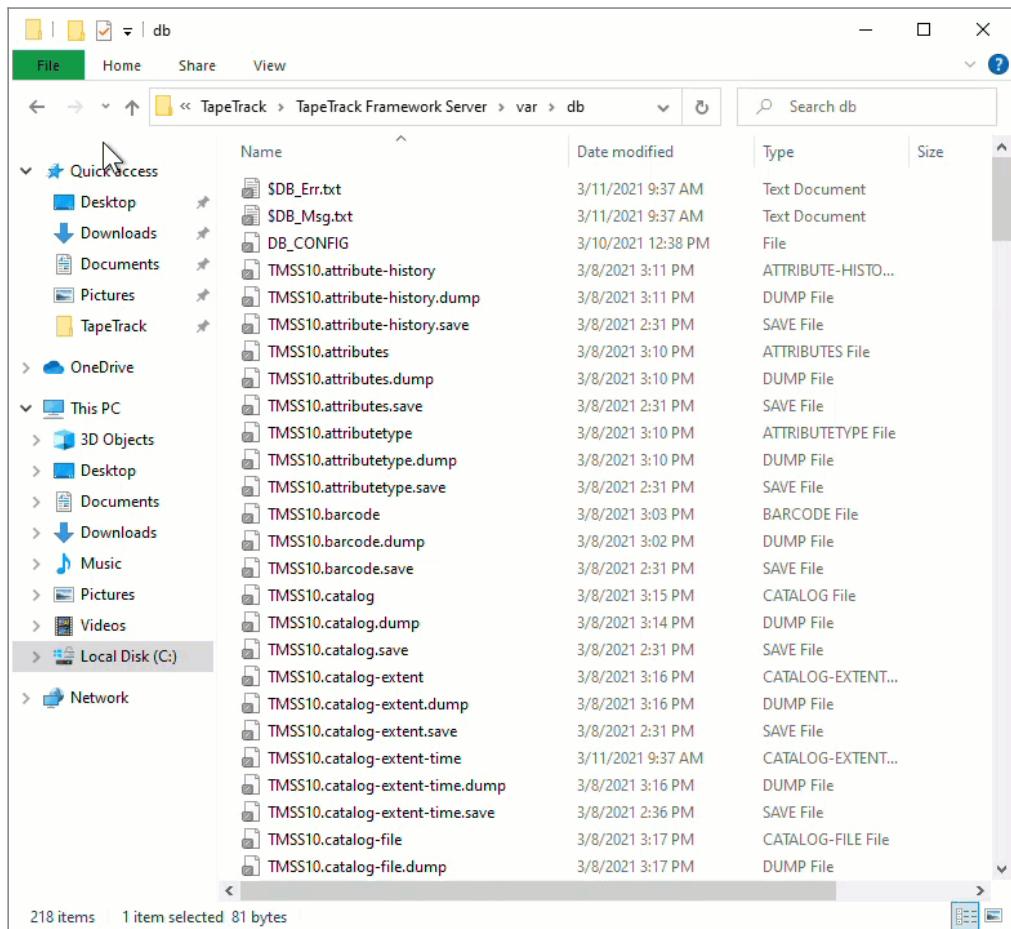
Install the TapeTrack Framework Server software on your Replicant machine.

Stop the service on the Replicant machine.

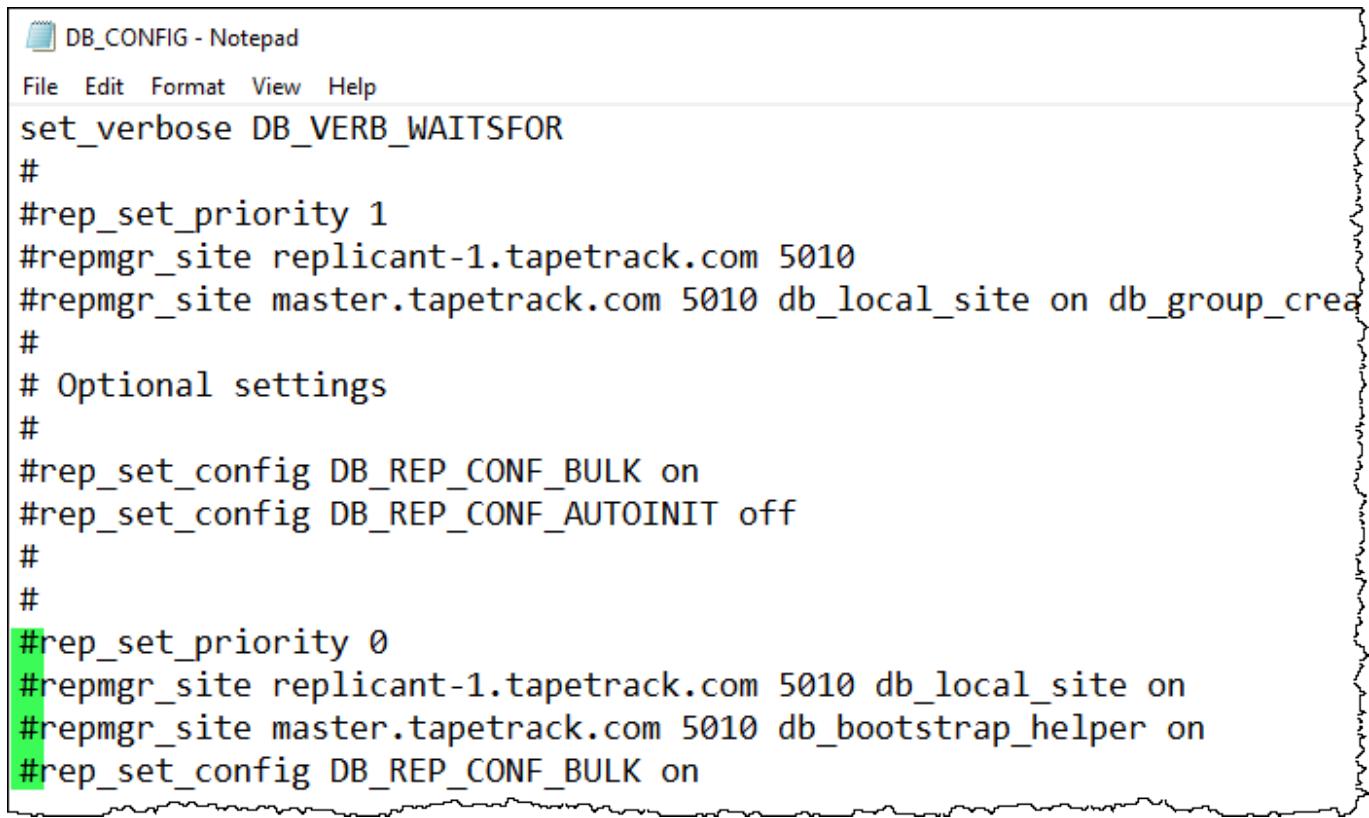
Delete all database files on the Replicant machine (all files in the var/db directory) **EXCEPT** the [DB_CONFIG](#) file.



DO NOT delete the [DB_CONFIG](#) file.



Edit the [DB_CONFIG](#) file and remove the comments (#'s) starting from the line **rep-set-priority 0** to make the machine a Replicant.



```
DB_CONFIG - Notepad
File Edit Format View Help
set_verbose DB_VERB_WAITSFOR
#
#rep_set_priority 1
#repmgr_site replicant-1.tapetrack.com 5010
#repmgr_site master.tapetrack.com 5010 db_local_site on db_group_crea
#
# Optional settings
#
#rep_set_config DB_REP_CONF_BULK on
#rep_set_config DB_REP_CONF_AUTOINIT off
#
#
#rep_set_priority 0
#repmgr_site replicant-1.tapetrack.com 5010 db_local_site on
#repmgr_site master.tapetrack.com 5010 db_bootstrap_helper on
#rep_set_config DB_REP_CONF_BULK on
```

Edit the Replicant Server and Master Server host names in the [DB_CONFIG](#) file.

- Replace **replicant-1.tapetrack.com** with the IP address of **your** Replicant Server (RRR.RRR.RRR.RRR used as Replicant IP example).
- Replace **master.tapetrack.com** with the IP address of **your** Master Server (MMM.MMM.MMM.MMM used as Master IP example).



Ensure you use the IP4 address for the Master and Replicant Server as using the domain name can cause issues with the IP6 address replacing the IP4 address, stopping the Master and Replicant communication.

```
*DB_CONFIG - Notepad
File Edit Format View Help
set_verbose DB_VERB_WAITSFOR
#
#rep_set_priority 1
#repmgr_site replicant-1.tapetrack.com 5010
#repmgr_site master.tapetrack.com 5010 db_local_site on db_group_create
#
# Optional settings
#
#rep_set_config DB_REP_CONF_BULK on
#rep_set_config DB_REP_CONF_AUTOINIT off
#
#
rep_set_priority 0
repmgr_site RRR.RRR.RRR.RRR 5010 db_local_site on
repmgr_site MMM.MMM.MMM.MMM 5010 db_bootstrap_helper on
rep_set_config DB_REP_CONF_BULK on
```



Ensure that the replication TCP/IP ports specified in the [DB_CONFIG](#) file are open for inbound connections.

[Start the TapeTrack service on the remote machine.](#)

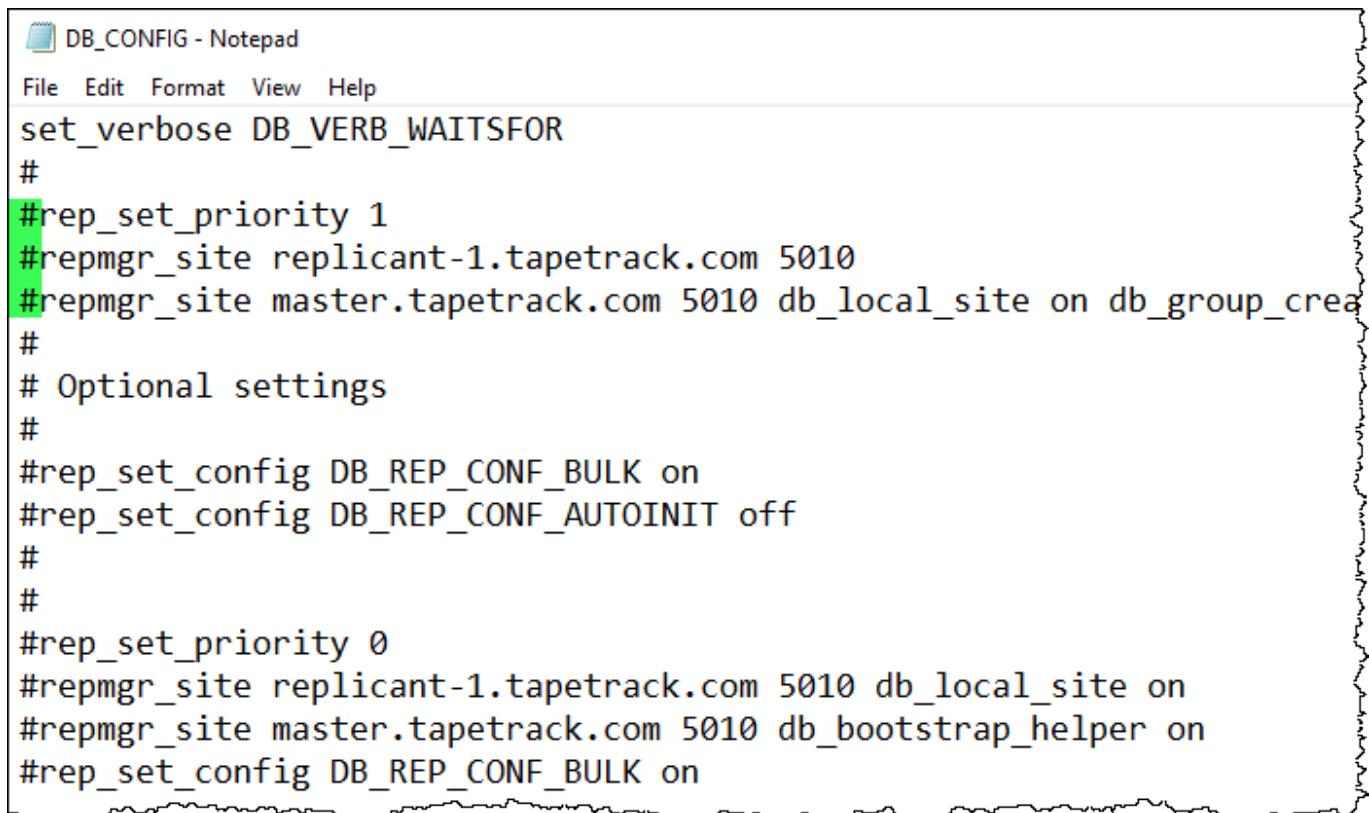
Steps On Master Server

[Stop the TapeTrack service on the master TapeTrack server.](#)



Do Not delete any files on the master server

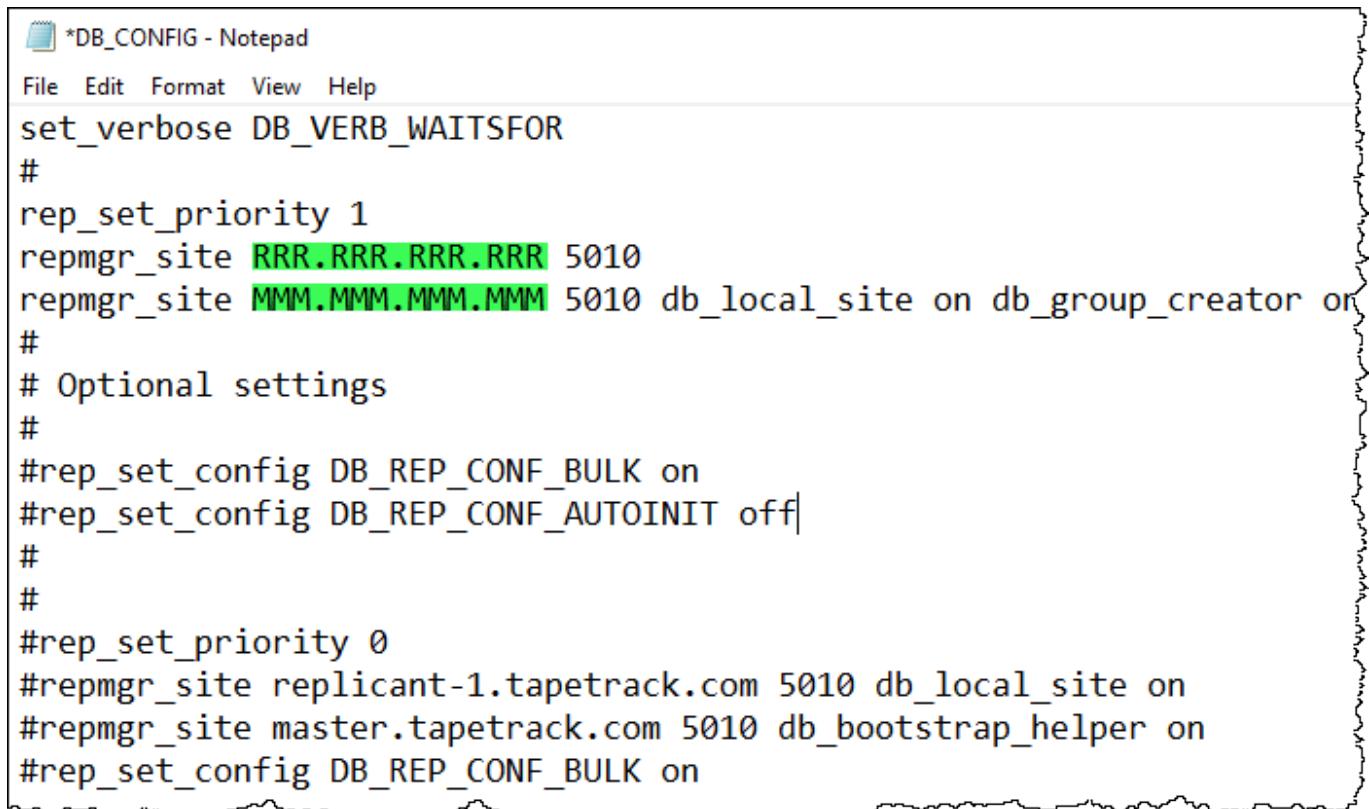
Edit the [DB_CONFIG](#) file and remove the comments (#'s) starting from the line **rep-set-priority 1** to make the machine a master server.



```
DB_CONFIG - Notepad
File Edit Format View Help
set_verbose DB_VERB_WAITSFOR
#
#rep_set_priority 1
#repmgr_site replicant-1.tapetrack.com 5010
#repmgr_site master.tapetrack.com 5010 db_local_site on db_group_creator
#
# Optional settings
#
#rep_set_config DB REP CONF BULK on
#rep_set_config DB REP CONF AUTOINIT off
#
#
#rep_set_priority 0
#repmgr_site replicant-1.tapetrack.com 5010 db_local_site on
#repmgr_site master.tapetrack.com 5010 db_bootstrap_helper on
#rep_set_config DB REP CONF BULK on
```

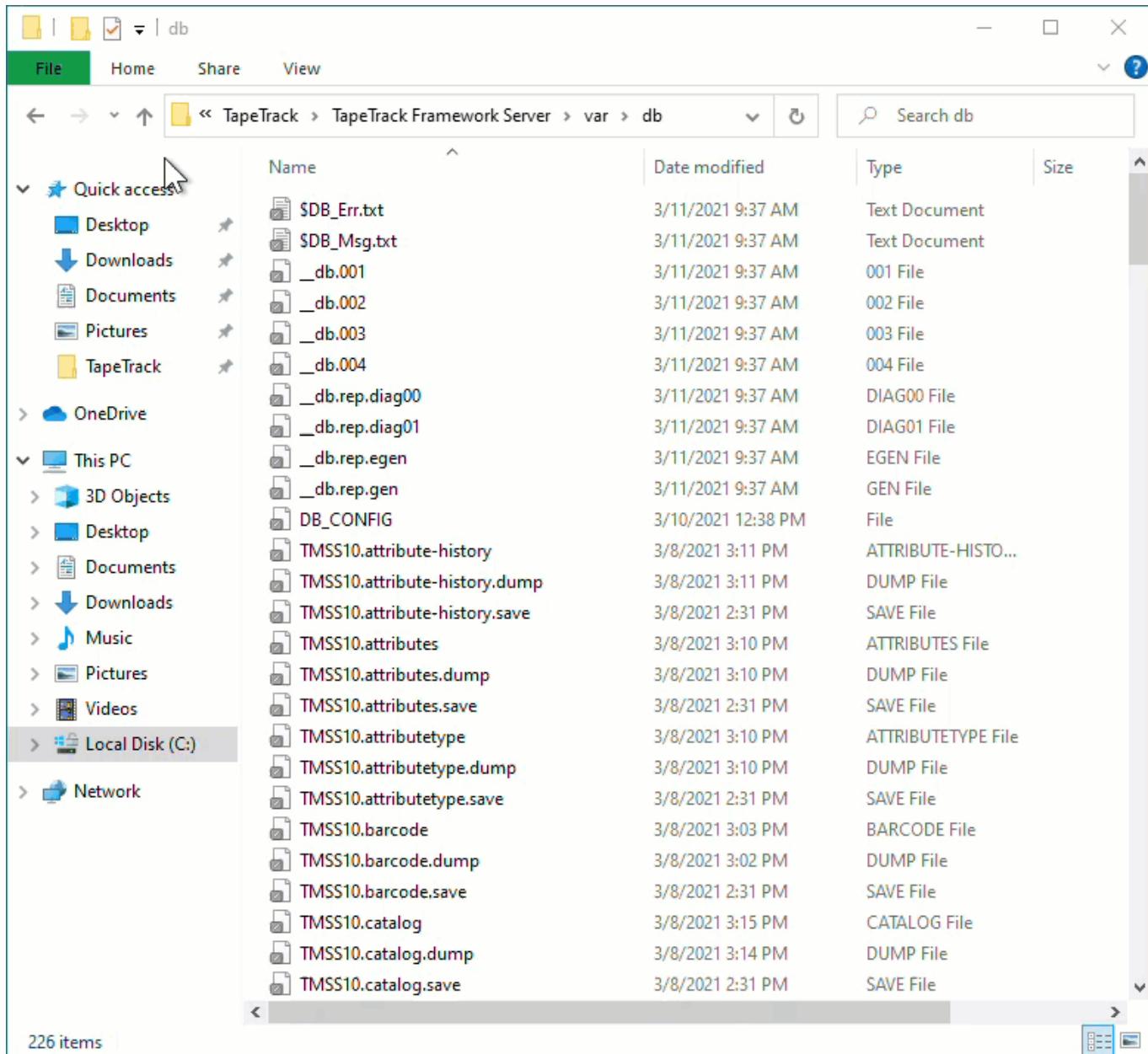
Edit the [DB_CONFIG](#) file to define the local and remote server. Edit the Replicant Server and Master Server host names in the [DB_CONFIG](#) file.

- Replace **replicant-1.tapetrack.com** with the domain name (or IP address) of **your** Replicant Server (RRR.RRR.RRR.RRR used as Replicant IP example).
- Replace **master.tapetrack.com** with the domain name (or IP address) of **your** Master Server (MMM.MMM.MMM.MMM used as Master IP example).



```
*DB_CONFIG - Notepad
File Edit Format View Help
set_verbose DB_VERB_WAITSFOR
#
rep_set_priority 1
repmgr_site RRR.RRR.RRR.RRR 5010
repmgr_site MMM.MMM.MMM.MMM 5010 db_local_site on db_group_creator or
#
# Optional settings
#
#rep_set_config DB REP CONF BULK on
#rep_set_config DB REP CONF AUTOINIT off
#
#
#rep_set_priority 0
#repmgr_site replicant-1.tapetrack.com 5010 db_local_site on
#repmgr_site master.tapetrack.com 5010 db_bootstrap_helper on
#rep_set_config DB REP CONF BULK on
```

Delete all the files starting with `_db.` and `db.rep..`



	Name	Date modified	Type	Size
	\$DB_Err.txt	3/11/2021 9:37 AM	Text Document	
	\$DB_Msg.txt	3/11/2021 9:37 AM	Text Document	
	_db.001	3/11/2021 9:37 AM	001 File	
	_db.002	3/11/2021 9:37 AM	002 File	
	_db.003	3/11/2021 9:37 AM	003 File	
	_db.004	3/11/2021 9:37 AM	004 File	
	_db.rep.diag00	3/11/2021 9:37 AM	DIAG00 File	
	_db.rep.diag01	3/11/2021 9:37 AM	DIAG01 File	
	_db.rep.egen	3/11/2021 9:37 AM	EGEN File	
	_db.rep.gen	3/11/2021 9:37 AM	GEN File	
	DB_CONFIG	3/10/2021 12:38 PM	File	
	TMSS10.attribute-history	3/8/2021 3:11 PM	ATTRIBUTE-HISTO...	
	TMSS10.attribute-history.dump	3/8/2021 3:11 PM	DUMP File	
	TMSS10.attribute-history.save	3/8/2021 2:31 PM	SAVE File	
	TMSS10.attributes	3/8/2021 3:10 PM	ATTRIBUTES File	
	TMSS10.attributes.dump	3/8/2021 3:10 PM	DUMP File	
	TMSS10.attributes.save	3/8/2021 2:31 PM	SAVE File	
	TMSS10.attributetype	3/8/2021 3:10 PM	ATTRIBUTETYPE File	
	TMSS10.attributetype.dump	3/8/2021 3:10 PM	DUMP File	
	TMSS10.attributetype.save	3/8/2021 2:31 PM	SAVE File	
	TMSS10.barcode	3/8/2021 3:03 PM	BARCODE File	
	TMSS10.barcode.dump	3/8/2021 3:02 PM	DUMP File	
	TMSS10.barcode.save	3/8/2021 2:31 PM	SAVE File	
	TMSS10.catalog	3/8/2021 3:15 PM	CATALOG File	
	TMSS10.catalog.dump	3/8/2021 3:14 PM	DUMP File	
	TMSS10.catalog.save	3/8/2021 2:31 PM	SAVE File	

226 items



Ensure that the replication TCP/IP ports are open for inbound/outbound connections.

Start the master TapeTrack Server.

Confirming Functionality Of Primary And Replicant Servers

Open `$DB_Msg.txt` file (in the `var/db` directory) on both the primary and replicant server to ensure that replication is functional.



Ensure that all firewall ports are open to allow the replication traffic to pass between the replicants.



The replication communications are not encrypted so if replication is enabled you should ensure that all machines that are replicated are in a trusted network or connected via a secure VPN connection.

Server replication troubleshooting

See Also

[Restoring replicant server to master server status](#)

From:

<https://rtfm.tapetrack.com/> - **TapeTrack Documentation**



Permanent link:

<https://rtfm.tapetrack.com/server/replication?rev=1615416751>

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