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 Replican 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.

This PC > TI10708000B (C:) > Program Files > TapeTrack > TapeTrack Fran	mework Server > var > db
▲ Name	Date modified Type
TMSS10.dictionary-data	6/18/2018 10:06 AM DIC
TMSS10.dr-strategy	5/21/2018 9:56 AM DR-
TMSS10.dr-strategy-item	5/21/2018 9:56 AM DR-
db.rep.egen	4/11/2018 9:36 AM EGE
TMSS10.emailspool	6/18/2018 10:06 AM EMA
TMSS10.favorite DELETE	5/3/2018 9:14 AM FAV
DB_CONFIG	6/14/2013 9:45 AM File
TMSS10Server	1/31/2018 10:49 AM File
TMSS10.file	3/9/2018 12:18 PM FILE
TMSS10.file-data	3/9/2018 12:18 PM FILE
TMSS10.file-generation	3/9/2018 12:18 PM FILE
db.rep.gen	4/11/2018 9:36 AM GEN
~_~~ 🔚 IMSC10 arace~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	: ۲۰۰۰-۲۰۰۰ میلامی: ۲۰۰۱۹،۱۹/۲۵۱۹،۱۹۸۰ میلامی میلاد در ۲۰۰۰ میلامی میلامی میلامی ا

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 # #repmgr_site replicant-1.tapetrack.com 5010 #repmgr_site master.tapetrack.com 5010 db_local_site on db_group_creat # # 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.S010 db_local_site on repmgr_site MMM.MMM.MMM 5010 db_local_site 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 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 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.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
```

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

	hare	View			~
÷ → • ↑ 📙 «	Тар	eTrack > TapeTrack Framework Server > var	> db ~ ⊘	🔎 Search db	
		Name	Date modified	Туре	Size
A Quick access		SDB_Err.txt	3/11/2021 9:37 AM	Text Document	
Desktop	А.	SDB_Msg.txt	3/11/2021 9:37 AM	Text Document	
👆 Downloads	А.	db.001	3/11/2021 9:37 AM	001 File	
Documents	А.	db.002	3/11/2021 9:37 AM	002 File	
E Pictures	*	db.003	3/11/2021 9:37 AM	003 File	
TapeTrack	*	July 1004	3/11/2021 9:37 AM	004 File	
		ᡖdb.rep.diag00	3/11/2021 9:37 AM	DIAG00 File	
> 👝 OneDrive		ᡖdb.rep.diag01	3/11/2021 9:37 AM	DIAG01 File	
💻 This PC		db.rep.egen	3/11/2021 9:37 AM	EGEN File	
3D Objects		🚽db.rep.gen	3/11/2021 9:37 AM	GEN File	
Desktop		DB_CONFIG	3/10/2021 12:38 PM	File	
Documents		TMSS10.attribute-history	3/8/2021 3:11 PM	ATTRIBUTE-HISTO	
_		TMSS10.attribute-history.dump	3/8/2021 3:11 PM	DUMP File	
Downloads		TMSS10.attribute-history.save	3/8/2021 2:31 PM	SAVE File	
> 🥼 Music		TMSS10.attributes	3/8/2021 3:10 PM	ATTRIBUTES File	
Pictures		TMSS10.attributes.dump	3/8/2021 3:10 PM	DUMP File	
Videos		TMSS10.attributes.save	3/8/2021 2:31 PM	SAVE File	
🗧 🔓 Local Disk (C:)		TMSS10.attributetype	3/8/2021 3:10 PM	ATTRIBUTETYPE File	
Alebuart:		TMSS10.attributetype.dump	3/8/2021 3:10 PM	DUMP File	
> 💣 Network		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	>

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

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Permanent link: https://rtfm.tapetrack.com/server/replication?rev=1615416313

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