

# MI Link Useful Scripts: TSql

Last updated by | Vitor Tomaz | Nov 16, 2022 at 5:43 AM PST

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This scripts are also available on the wiki article [MI Link Troubleshooting steps](#).

```
USE MASTER
```

```
CREATE MASTER KEY ENCRYPTION BY PASSWORD = 'ChimeraLink#'
GO
CREATE CERTIFICATE BOX_CERT
WITH SUBJECT = N'Certificate for SQL Server',
EXPIRY_DATE = N'12/12/2030'
GO
```

```
SELECT * FROM sys.certificates
GO
```

```
USE MASTER
DECLARE @PUBLICKEYENC VARBINARY(MAX);
SELECT @PUBLICKEYENC = CERTENCODED(CERT_ID('BOX_CERT'));
SELECT @PUBLICKEYENC AS PublicKeyEncoded;
```

```
-- This PublicKeyEncoded should be upload to MI
```

```
CREATE CERTIFICATE MI_PUBLIC_CERT
FROM BINARY = 0x308...
```

```
-- Execute following stored procedure on MI to retrieve Public Blob of InstanceCert
-- exec sp_get_endpoint_certificate 4
```

```
CREATE ENDPOINT database_mirroring_endpoint
STATE=STARTED
AS TCP (LISTENER_PORT=5022, LISTENER_IP = ALL)
FOR DATABASE_MIRRORING (
ROLE=ALL,
AUTHENTICATION = CERTIFICATE BOX_CERT,
ENCRYPTION = REQUIRED ALGORITHM AES)
GO
```

```
SELECT * FROM sys.database_mirroring_endpoints WHERE type_desc = 'DATABASE_MIRRORING'
```

```
CREATE DATABASE SanjaM_Test
GO
ALTER DATABASE SanjaM_Test SET RECOVERY FULL
GO
BACKUP DATABASE SanjaM_Test TO DISK = N'G:\log\backup.bak'
GO
```

```
CREATE AVAILABILITY GROUP SanjaM_AG
WITH (CLUSTER_TYPE = NONE)
FOR DATABASE SanjaM_Test
REPLICA ON
'sql2019-prod-05' WITH
(
ENDPOINT_URL = 'TCP://10.0.1.32:5022',
AVAILABILITY_MODE = SYNCHRONOUS_COMMIT,
FAILOVER_MODE = MANUAL,
SEEDING_MODE = AUTOMATIC
);
GO
```

```
CREATE AVAILABILITY GROUP SanjaM_DAG
WITH (DISTRIBUTED)
AVAILABILITY GROUP ON
'SanjaM_AG' WITH
(
LISTENER_URL = 'TCP://10.0.1.32:5022',
AVAILABILITY_MODE = ASYNCHRONOUS_COMMIT,
FAILOVER_MODE = MANUAL,
SEEDING_MODE = AUTOMATIC,
```

```
SESSION_TIMEOUT = 20
),
'chimera-prod-gp-05eu' WITH
(
LISTENER_URL = 'tcp://chimera-prod-gp-05eu.7a059cce123c.database.windows.net:5022;Server=[chimera-prod-gp-05eu
AVAILABILITY_MODE = ASYNCHRONOUS_COMMIT,
FAILOVER_MODE = MANUAL,
SEEDING_MODE = AUTOMATIC
);
GO
```

How good have you found this content?

