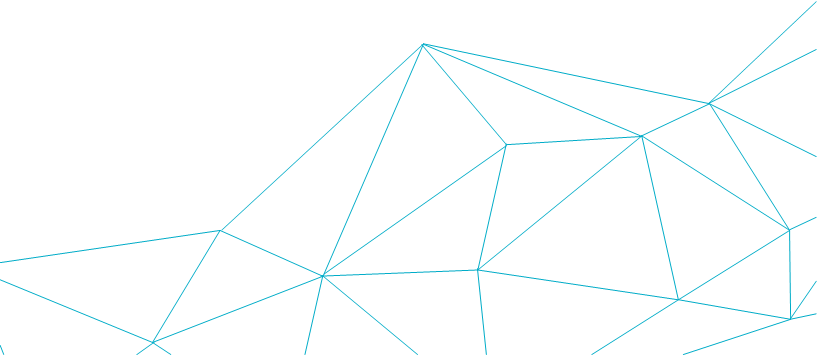


MFS Replication

March 26, 2024

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## Document revision history.

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| Date | Description | Version | Author |
| 26 March 2024 | Document Created | 1.0 | Naga Katrapati |
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Introduction

The document has details about MFS Replication from Odessa Cloud to MFS Onpremise servers. MFS Production environment is in SQL Managed Instance managed by Odessa and the target database in MFS network, which will be used for reporting by MFS.

**Transaction Replication in MFS**

A diagram of a database

Description automatically generated

Scripts Used for Setup:

Below scripts have been used for settingup Replication, few additional changes have been done post setup that are not part of the script. Please review the script, logins credentials are to be reviewed and make changes as needed.



Replicated Tables List:



Monitoring and Alerts:  
  
Alerts are setup through SQL Agent jobs, they are sent through SQL DBMail to the below participants:  
  
[Datadog.OdessaProd@odessainc.com](mailto:Datadog.OdessaProd@odessainc.com)  
[Naga.Katrapati@odessainc.com](mailto:Naga.Katrapati@odessainc.com)  
[Manobala.thangamani@odessainc.com](mailto:Manobala.thangamani@odessainc.com)

ReplicationAgentStatusCheck : Runs every 10 min and alerts if any one of the agents is down.

ReplicationLatencyCheck: Runs every 10 min and alerts if the latency is more than 5 min.

ReplicationPerformanceCheck: Runs every 10mins and alerts if the replication status is critical for 30 min.

ReplicationTransactionSizeCheck: Run every 1 hour and alerts if transaction log size is over 20 GB.