

Mustafa EL-Masry

Microsoft Database Consultant / Cloud DBA

www.MostafaElmasry.com & www.SQLIdol.com

(+966)543 990 968

Address – Al-Soluimanya

Eng.Mostafa_Elmasry@WindowsLive.Com

Riyadh, Saudi Arabia

I am Microsoft database consultant working as a Database administrator for more than +10 Years I have very good knowledge about Database Migration, Consolidation, Performance Tuning, Automation Using T-SQL, and PowerShell and so many other tasks I do it in multiple customers here in KSA and as of now, I am working in Bank Albilad managing the core banking system that is hosted in SQL Server Database 8 TB. Also, I am Microsoft certified 2008 and 2016 in SQL Server (2x MCTS, 2x MCTIP, MCSA, MCSE) and I am Microsoft Certified Trainer (MCT) also I am azure Certified 5X Azure Adminstrator, Database administrator, Data Engineer also I was awarded by Microsoft Azure Heroes 3 times as (Azure Content hero, Azure Community hero and Azure Mentor) for more information about my experiences and my activity for spreading the knowledge please check my webpage <https://mostafaelmasry.com/about-me/> You will find on it my certification, Articles, Technical documents in Azure I participated on writing it also you can find below all of my Social account links

- LinkedIn Account: <https://www.linkedin.com/in/mostafaelmasry/>
- Twitter Account: <https://twitter.com/Elmasrydba>
- My Azure Articles: <https://lnkd.in/edn6nyY/#AllAzurePosts>
- Microsoft Azure Hero 3X: <https://mostafaelmasry.com/about-me/#MicrosoftAzureHero>
- Founder of Database Cloud Tech blog: <https://mostafaelmasry.com/>
- Founder of SQLIdol website: <http://www.SQLIdol.com/team/mustafa-el-masry/>
- My Articles on SQLShack: <https://www.sqlshack.com/author/mustafaelmasry/>
- Founder of LinkedIn Group: <https://www.linkedin.com/groups/8406281/>
- My Certifications: <https://www.youracclaim.com/users/mustafa-elmasry/badges>
- Other Certifications:
<https://skillsoft.digitalbadges.skillsoft.com/profile/mustafaelmasry/wallet>
- One of the top bloggers on the Middle East in SQL Server: Around 300 SQL Server Article, also I have Arabic posts on Microsoft MSDN
 - ✓ <https://msdn.microsoft.com/ar-sa/library/dn974980.aspx>
 - ✓ <https://msdn.microsoft.com/ar-sa/library/mt131032.aspx>
 - ✓ <https://msdn.microsoft.com/ar-sa/library/mt147014.aspx>
 - ✓ <https://msdn.microsoft.com/ar-sa/library/mt131033.aspx>
 - ✓ <https://msdn.microsoft.com/ar-sa/library/mt131034.aspx>

SKILLS

SQL SERVER 2005...2019 TECHNOLOGY,
AZURE
DATA ARCHIVING SSRS, SSIS, SSAS,

PERFORMANCE TUNING, DB HEALTH CHECK
DISASTER RECOVERY, POWERSHELL, MIGRATION,
CONSOLIDATION, SECURITY, ADVANCED T-SQL,
ALERTS, CENTRALIZATION, BACKUP, RESTORE

WORK EXPERIENCE

Senior Database Engineer

Bank AlBilad

Saudi Arabia, Riyadh — 11/2018-Present

- Managing the Main Core Business and core banking (T24) the main core banking SQL Server
- Applying all of the best practices on core banking DB from Configuration, security administration, alerts, encryption
- Manage the other SQL Server services around 200 SQL servers (Prod, DEV, TEST, UAT) in PDC (Primary data Center) and SDC (Secondary Data Center)
- Using SQL Powershell for automated the administration tasks on 200 SQL Servers
- Configure Centralized Alerts and administration jobs by PowerShell scripts to manage all of the banking SQL Server instances
- Managing all of the SSIS, SSAS, SSRS in PDC and SDC
- Managing DATA Hub ETL and DB Servers for T24 DB Core Banking
- Managing CRM, Sharepoint Databases
- High Skills with a deep level of troubleshooting (Network, OS, VM)using the latest techniques

Senior Database Architect

Ministry of Higher Education



Saudi Arabia, Riyadh 7/2013 – 3/2015

- Manage more than 35 SQL Server Cluster (Testing, Staging, and Production), 13 of them, are Production SQL Cluster.
- Manage 1200 databases across the Ministry of Higher Education (MOHE) environment, 500 databases out of them on production with High DB Sizes (5 TB, 2 TB, 1.5 TB).
- Manage 3 HAG build on Cluster and standalone SQL Server, more than 20 Replication, 5 DB Log shipping.
- Install, Configure and maintain all SQL Server versions (2005 > 2014), Upgrade SQL Server (Side by Side and on Site) with online Data Migration, online Data Archiving, improving T-SQL performance, DWH.
- Design the best DB Architecture that matches Application design, Checking and optimizing weekly the top 10 expensive queries, designing the optimal DB files structure through multiple File Groups, Designing Database clusters and troubleshooting HAG, Mirroring, Log Shipping.
- Check periodically indexes for their designs, usages, sizes, and fragmentation to determine the best decisions for them in terms of disposing of, alter or maintain them, Checking periodically expensive queries status performing necessary action to improve query performance, Checking DB implementations and general health status on production

Principal Database Administrator

Ministry of Health

Saudi Arabia, Riyadh 04/2015-10/2018



- Managing all MOH DB services (SSIS, SSAS, DWH, SSRS) on development, Testing, Production
- Ensure all database servers are backed up in a way that meets the business's Recovery Point Objectives (RPO)
- Test backups to ensure we can meet the business' Recovery Time Objectives (RTO)
- Troubleshoot SQL Server service outages as they occur, including after-hours and weekends
- Configure SQL Server monitoring utilities to minimize false alarms
- Monthly OS patching and updating with collaboration with system team
- Daily OSA (Operational Support and Analysis) report
- Weekly OSA report, weekly PPO (Planning, protection, and optimization)
- Install and configure new SQL Servers
- Install and troubleshooting all the Disaster Recovery technology (DR, Cluster, HAG, Mirroring, Replication, Log Shipping)
- Deploy database change scripts provided by third-party vendors
- Determine the most effective way to increase performance including hardware purchases, server configuration changes, or index/query changes
- Document the company's database environment
- Writing DMV queries to answer questions about server-level performance
- Tuning T-SQL queries to improve performance
- Troubleshooting hardware
- Ensure that new database code meets company standards for readability, reliability, and performance
- Doing a Full Database Assessment Process for any new Deployment
- Each week, give developers a list of the top 10 most resource-intensive queries on the server and suggest ways to improve performance on each
- Design indexes for existing applications, choosing when to add or remove indexes
- Weekly Index Assessment Process (Missing Index, duplicated index, index size, unused index..etc)
- Help developers improve the performance of that query by tweaking it or modifying indexes
- Building Data Engineer Solution to Improve the performance of DWH, Data Mart, and online archiving solution

Senior Database Administrator
and Laserfiche Admin

Ministry of Social Affairs

Saudi Arabia, Riyadh — 01/2013 – 06/2013

- Install and configures SQL Server, including system upgrades, clustering, configure instances.
Manages and monitors the security of SQL Server on 20 DB for 120 Branches in KSA of the Ministry, Creates and configures databases, file groups, Constraints, Indexes, Stored Procedure, Triggers & views.
- Creates and manages the work necessary to perform SQL Server Agent jobs, Alert, Operators, and Creates and maintains the strategy of backup procedures and preparing for recovery.
- Performs the allocation and performance monitoring system and SQL Server through Trace, Monitor, DMV, SQLIO, SQL Deadlock Detector, hard work on T-SQL performance, DWH.
- Working AS LF admin (Laserfiche archiving tool) and managing all of the T-SQL related to the archiving with adding Extra enhancement on T-SQL level from performance-wise



Database Engineer

Safe ERP Solution (SAFE)

Saudi Arabia, Riyadh — 05/2010 – 10/2012



- Creates and maintains the strategy of backup procedures and preparing for recovery
Implementing Database Mirroring in SQL Server 2008 Infrastructure.S
Preparation and drafting of some internal documents: views, High Availability Systems and Disaster Recovery, Database security implementation and auditing, Database Log Shipping, Replication
- Manage and maintenance Servers, Install and Configure All Windows Server Release From 2003 to 2012, Perform daily system monitoring, reviewing the system application log, Maintain data center environmental and monitoring.
- Using Windows Server Power Shell, Managing and Troubleshooting Active Directory, Configuring and troubleshooting {DNS, TCP IP, DHCP, DNS, Router, NAT}, Knowledgeable with PC hardware, troubleshooting, and maintenance. Knowledge of network administration involving LAN and WAN usage, Migration and Upgrade OS, Installing, troubleshooting Microsoft Office.

Database Engineer

Business Analysis Group

Egypt – Cairo 06/2008 – 03-2010

- Installation Database, Troubleshoot, Maintenance Database problem and managing all SQL Server 2005,2008
- Developing database design and maintenance
- Creates and configures databases, file groups, Constraints, Indexes, Stored Procedure, Triggers & views
- High Availability Systems and Disaster Recovery, Database security implementation and auditing, Database Log Shipping, Replication
- Creates and maintains the strategy of backup procedures and preparing for recovery.

Projects

Online Archiving project for T24 DB (Core banking DB) in Bank Albilad

Bank Albilad

2019 -2020

Saudi Arabia, Riyadh

Migrate all of the Production servers to new Clusters SQL Server 2017

Ministry of Health

2018

Saudi Arabia, Riyadh

Apply SQL Server new feature in SQL Server 2016 on production servers

Ministry of Health

2017

Saudi Arabia, Riyadh

Upgrade production Server to SQL 2016 SP1

Ministry of Health

2017

Saudi Arabia, Riyadh

DB Migration and consolidation for all of MOH DB services to centralization DB Box

Ministry of Health

2015

Saudi Arabia, Riyadh

Database Consolidation and Migration from SQL Server 2012 to SQL Server 2014

Ministry of Higher Education

2015

Saudi Arabia, Riyadh

Upgrade all of MOHE DB Services to SQL 2014 SP2

Ministry of Higher Education

2014

Saudi Arabia, Riyadh

WF Report Assessment and Enhancement

Ministry of Higher Education

2014

Saudi Arabia, Riyadh

EDW Solution (Enterprise Data Warehouse)

Ministry of Higher Education

2014

Saudi Arabia, Riyadh

Building Active-Passive DR solution

Ministry of Higher Education

2013

Saudi Arabia, Riyadh

Building DWH for MOHE Workflow using master services and Data Quality

Ministry of Higher Education

2013

Saudi Arabia, Riyadh

Enhance performance for Laserfiche Workflow archiving DB

Ministry of social affairs

2013

Saudi Arabia, Riyadh

EDUCATION

Bachelor's of Commerce
Mansoura University— 2002-2008

LANGUAGES

Arabic: native language
English: Intermediate (speaking, reading, writing)

Technical Certification

Microsoft Azure Administrator AZ-103
Microsoft Certified Trainer 2020-2021
MCSE: Data Management and Analytics — Certified 2020
MCSA: SQL 2016 Database Administration – Certified 2020
Microsoft Certified: Azure Fundamentals
Microsoft certified technology specialist
SQL Server 2008 Microsoft certified technology specialist
SQL Server 2008 Database Development
SQL Server administration MCTIP 2008
SQL Server Development MCTIP 2008
Microsoft certified professional

References

My references on all of the clients/ previous work and projects I do it in Saudi Arabia and outside Saudi Arabia, in multiple places governments and Semi-governments I can provide it to you if you need