

SQLskills Immersion Event IE0: Accidental/Junior DBA

Module 0: Overview



SQLskills Immersion Event

- Agenda (see inside front page)
- **Monday: Modules 1-2-3**
 - 6pm – Meet and Greet
- **Tuesday: Modules 3-4-5**
 - 6pm – SQL Sentry Plan Explorer
- **Wednesday: Modules 6-7**
 - 5pm – Class ends!

Exclusive Sponsor



2

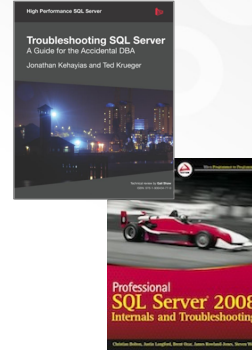
© SQLskills, All rights reserved.
<http://www.SQLskills.com>



Author/Instructor: Jonathan Kehayias



- Consultant/Trainer/Speaker/Author
- Principal Consultant, SQLskills.com
 - Email: Jonathan@SQLskills.com
 - Blog: <http://www.SQLskills.com/blogs/Jonathan>
 - Twitter: @SQLPoolBoy
- Contributing Author: SQL Server 2008 Internals and Troubleshooting
- Microsoft Certified Master: SQL Server 2008
- SQL Server MVP since October 2008
- Author of Using Extended Events whitepaper on MSDN
- Developed Extended Events Manager SSMS Addin for SQL Server 2008 Open Source project on Codeplex
- Member of the Tampa SQL Server User Group and PASS



3

© SQLskills. All rights reserved.
<http://www.SQLskills.com>

Author/Instructor: Erin Stellato



- Consultant/Trainer/Speaker
- Principal Consultant, SQLskills.com
 - Email: Erin@SQLskills.com
 - Blog: <http://www.SQLskills.com/blogs/Erin>
 - Twitter: @ErinStellato
- SQL Server MVP since January 2012
- Board Member of Ohio North SQL Server User Group
- PASS volunteer since 2010
- 12 years working for software vendors, helping to support customer implementations in a variety of ways
- 7 years as a SQL Server professional



4

© SQLskills. All rights reserved.
<http://www.SQLskills.com>

M1: Hardware Considerations

- The importance of processor selection
- Intel or AMD processors?
- How to evaluate and compare processors
- Determining how much physical RAM to buy
- Planning SQL Server I/O subsystems
- SAN considerations
- Virtualization considerations

M2: Installation and Configuration

- Installation best practices
- Configuration best practices
- Setting up database mail and alerts
- Database settings
- Database file layouts

M3: Security

- Securing SQL Server
- Authentication
- Authorization
- Auditing access
- SQL injection risks
- Database encryption

M4: Backup and Restore

- The transaction log and database recovery models
- Backup fundamentals
- Restore fundamentals

M5: Disaster Recovery and High Availability

- Understanding RPO and RTO
- Planning a recovery strategy to meet RPO and RTO
- Failover Clustering
- Database Mirroring
- Availability Groups
- Log Shipping

M6: Database Maintenance

- Index management
- The impact of shrink
- Statistics management
- Consistency checking
- Planning for data purging and ETL processes

M7: Monitoring

- Waits and Queues methodology
- Collecting and analyzing Perfmon data
- Automating baseline data collections
- Blocking
- Deadlocks

M8: Checklists

- Hardware checklist
- Installation checklist
- Security checklist
- Disaster recovery checklist
- Maintenance checklist

Introductions

- Name
- Company name
- Where you're based geographically
- The job role that describes you best:
 - System Administrator
 - Accidental DBA
 - Junior DBA
 - Jack of all trades?
- What version you focus on most
- What versions you support
 - Don't be shy, you're not the only one that has SQL Server 2000 ☺