



BLACK NINJA SOFTWARE

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T-SQL Programming

Introduction

This is a 3-day course is an intermediate course in Transact-SQL. This course will focus on SQL Server 2008 Programmable Objects like views, stored procedures, triggers, SQLCLR and SQLXML. It will also cover SQL Server 2008 support for temporal and spatial data. Modules will also cover how you can tune and better write these SQL Server objects.

Audience

This course is intended for developers and/or programmers and/or DBAs who have familiarity with databases and SQL Server, but need to work with T-SQL code.

Pre-Requisites

Familiarity with relational databases

Basic T-SQL knowledge

Course Format

Black Ninja courses are small by design. This allows for the instructor and students to interact more closely, and gives students opportunity to clarify concepts or raise questions as the training goes on.

Outline

Day	Module	Topic
1	1	Table Types
1	2	Views
1	3	Cursors
1	4	Dynamic SQL
1	5	Stored Procedures
1	6	User Defined Functions
1	7	DML and DDL Triggers
2	8	Transactions
2	9	Error Handling
2	10	XML and XQuery
2	11	Temporal and Spatial Data Support in SQL Server 2008
3	12	SQLCLR
3	13	HTTP Endpoints
3	14	Message Broker

Working Environment

Black Ninja will provide the environment. Students will be using SQL Server in a Virtual Machine, where they will have rights to create their databases and run their scripts.

Materials

Materials will be provided in this class. The book used for reference is Itzik Ben-Gan's T-SQL Programming from Microsoft Press*.

Additional materials and resources will be provided as needed.

* Subject to change