SSRS 2014, Part 10 of 10: Reporting Services Security

Meet the expert: Don Kiely is a featured instructor on many of our SQL Server and Visual Studio courses. He is a nationally recognized author, instructor, and consultant specializing in Microsoft technologies. Don has many years of teaching experience, is the author or co-author of several programming books, and has spoken at many industry conferences and user groups. In addition, Don is a consultant for a variety of companies that develop distributed applications for public and private organizations.

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Course description: In this course, you'll learn how to work with the security features of Reporting Services. You'll start by learning how to authorize users to perform actions at both the server and folder level, as well as how to use Management Studio to manage report server roles. Then you'll learn how to enable Basic authentication, necessary to allow report access via non-IE browsers and outside the local network. It is generally a very bad practice to transmit credentials or data in the clear over any network, even a local network, so next you'll see how you can enable and optionally require the use of SSL (really TLS, or Transport Layer Security) anytime a user or application accesses Reporting Services. Then you'll learn about how report data security hooks into the data security features of the core database engine of SQL Server. You'll see how to require different kinds of credential for any data source, both in SQL Server Data Tools and in Report Manager. You'll also learn about the permissions required to access data for a report.

Course outline:

Securing Access to Reports
- Introduction
- Securing Access to Reports
- Demo: System Role Assignment
- Demo: Home Page Assignment
- Demo: Child Folder Assignments
- Summary

Managing Reporting Services
- Introduction
- Demo: New User Role
- Demo: New System Role
- Summary

Basic Authentication and SSL
- Introduction
- RS and Basic Authentication
- Demo: Edit Authentication
- Reporting Services & SSL
- Demo: Enable SSL
- Requiring SSL
- Demo: SecureConnectionLevel
- Summary

Data Security
- Introduction
- Demo: VS Sample Report project
- Demo: Data Source Security
- Credential Storage
- SQL Server Permissions Needed
- Demo: Report Manager Security
- Summary