Many thanks to **Eben Roux** for code documentation and review.

Chapter 7 : Persistent Snippets

In this chapter, we will be focusing on snippets about persistence. We will discuss NHibernate, RavenDB and MondoDB.

We will dive into code to accomplish some database tasks as it relates to NServiceBus. This code could be applied to many tasks that are not ESB specific. But this is a much needed chapter on database code itself. We will create SQL Server databases without the use of SQL code and read tables that NServiceBus created in RavenDB. We will show how to create tables with code, read and display tables in NHibernate and RavenDB.

The Source code in this section:

In this section, we will be using the **PubSub-SQL** solution:

1) MyMessages – A payment message used for the projects.

2) MyPublisher – A project that publishes EventMessages to the SQLEXPRESS nservicebus tables for pub-sub.

3) Subscriber1 – A project for subscribing to the nservicebus Subscriber1 tables to read and handle EventMessages.

4) Subscriber2 – A project for subscribing to the nservicebus Subscriber2 tables to read an handle IMyEvent messages.

This is a publish-subscibe solution to publishing messages that Subscriber1 handles one type of messages, and Subscriber2 processes a different type of messages. These were ran in VS2012 in Windows Server 2012, with MSMQ, DTC, NServiceBus references, and SQL Server 2012

Express LocalDB installed. A "nservicebus" database must be present in the SQL Server, and some tables, such as MyPublisher, are not existing from other projects.

In this section, we will be using the **MVCApp-NHibernate** solution is a MVC ,for reading the nservicebus tables for PubSub-SQL, the tables for **MyPublisher**, **Subscriber1**, and **Subscriber2** must be present from the **PubSub-SQL** must be run first to create the endpoints and tables.

In this section, we will be using the **MongoDB2 -Config** solution, for testing MongoDB, MongoDB

has to be installed per

http://docs.mongodb.org/manual/tutorial/install-mongodb-on-windows . In this example, we are reading the configurations from MongoDB local database that must be installed and running.

In this section, we will be using the **MVCApp - RavenDB** solution, for reading subscription information from RavenDB and RavenDB must be installed per chapter 1.