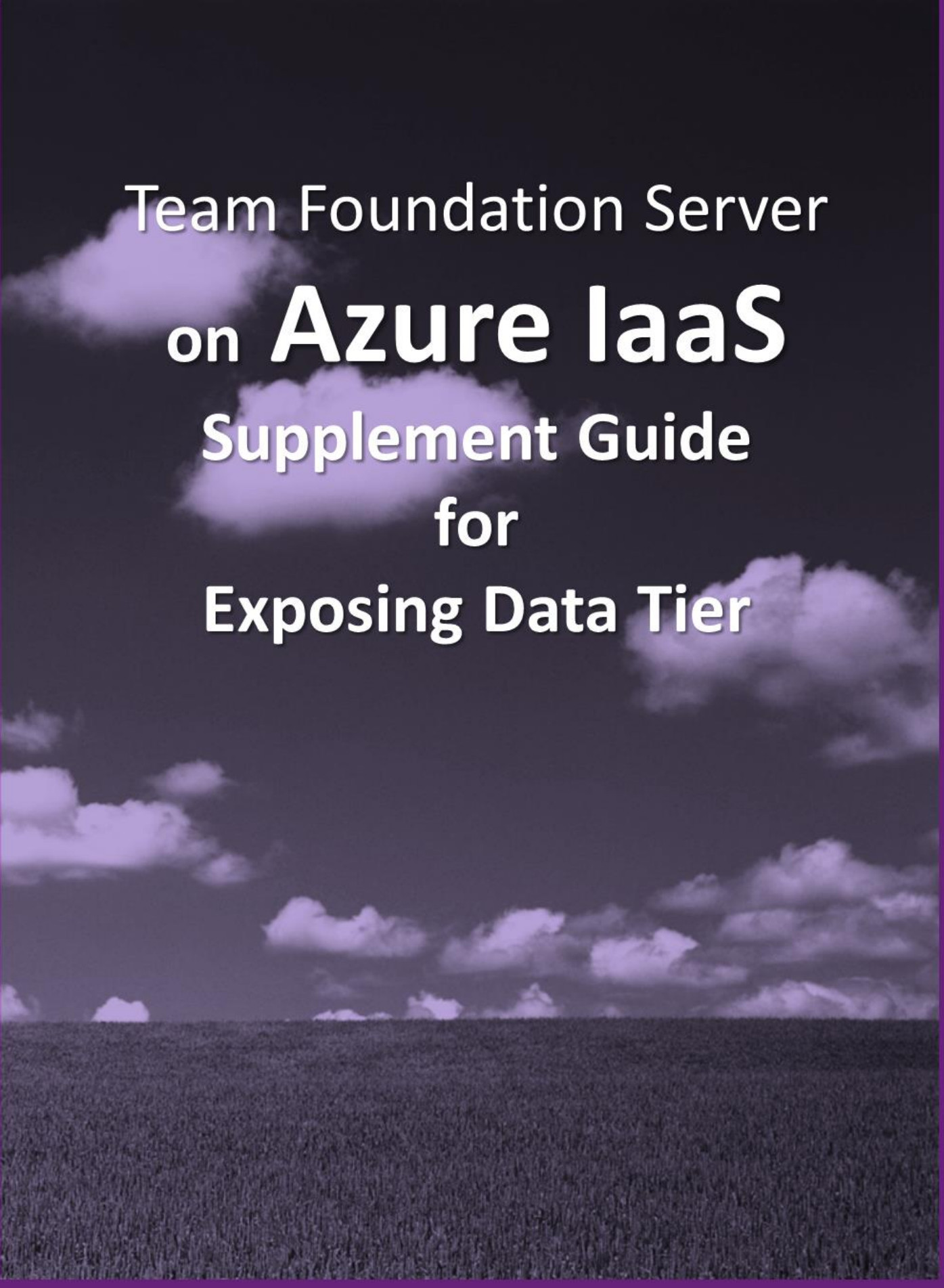


Team Foundation Server on Azure IaaS

Supplement Guide for Exposing Data Tier

V1.4

Visual Studio ALM Rangers

Microsoft Visual Studio

Table of Contents

Expose the data tier (SQL Server Analysis Services)

Introduction

This addendum is a supplement for the main TFS on Azure IaaS guide, which delivers practical and scenario based guidance for the implementation of Team Foundation Server (TFS) on Azure IaaS.

In this supplement, we expose the data tier, as implemented in the Windows Azure proof of concept instance introduced in the main guide, allowing authorized users to create custom reports.

NOTE

Use this supplement in conjunction with its companion guides "TFS Planning Guide" and TFS on Azure IaaS".

What you'll need

- Windows Azure proof of concept instance as introduced in the main guide

Visual Studio ALM Rangers

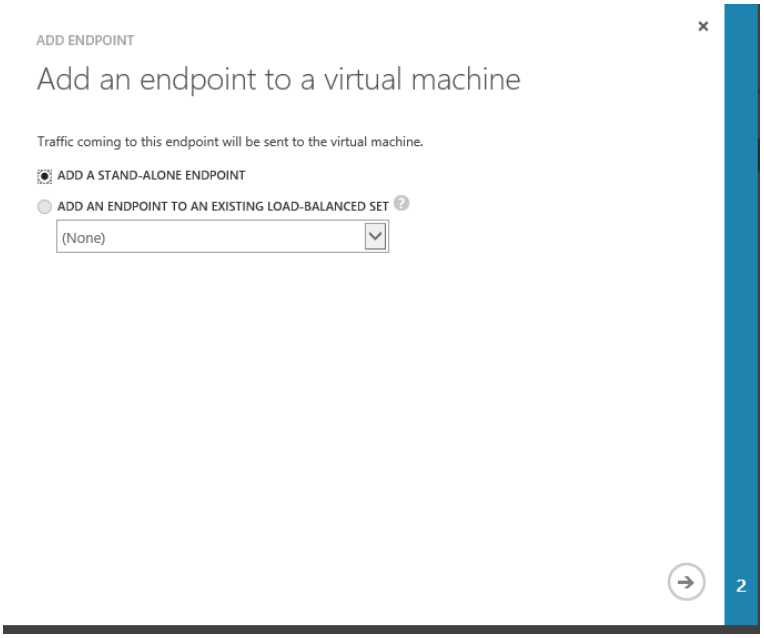
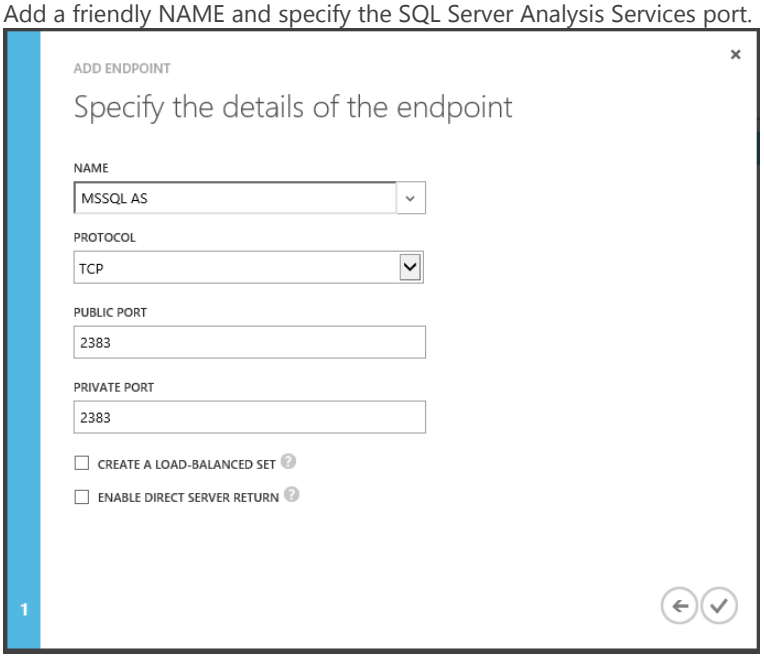
The Visual Studio ALM Rangers provide professional guidance, practical experience, and gap-filling solutions to the ALM community. They are a special group with members from the Visual Studio Product group, Microsoft Services, Microsoft Most Valuable Professionals (MVP), and Visual Studio Community Leads. Membership information is available online[1].

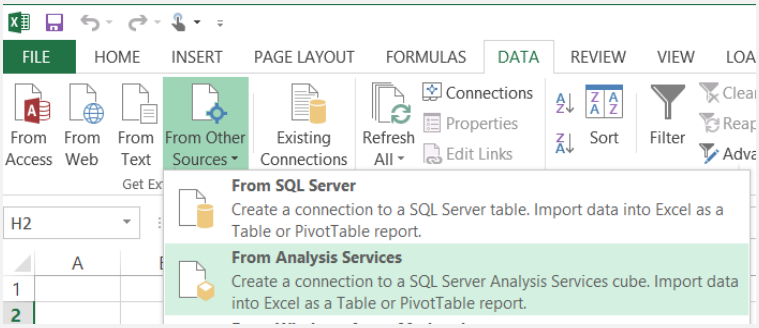
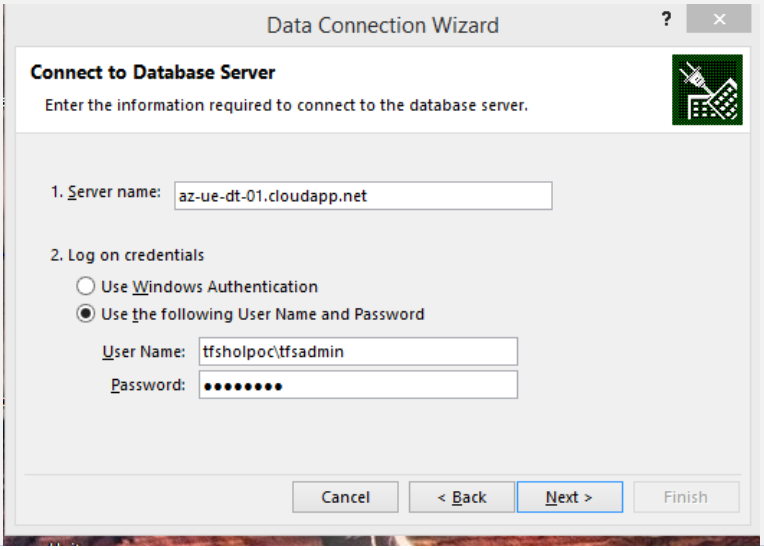
Additional ALM Rangers Resources

Understanding the ALM Rangers – http://aka.ms/vsarunderstand

Visual Studio ALM Ranger Solutions – http://aka.ms/vsarsolutions

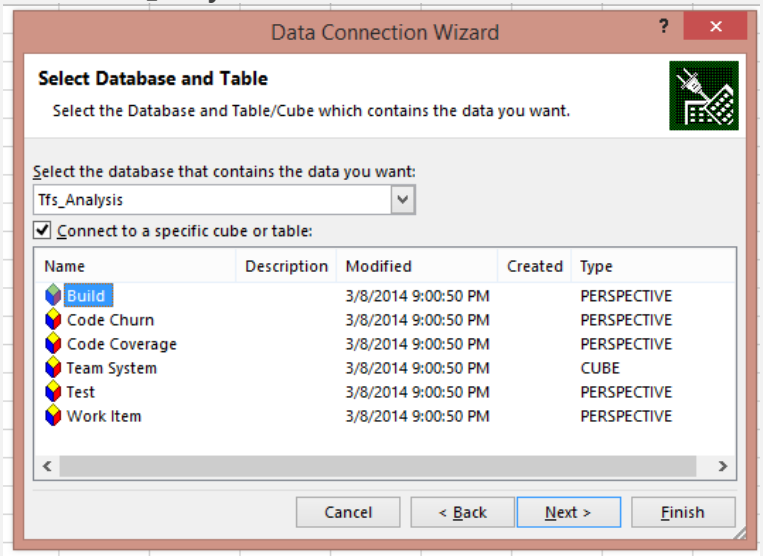
Walkthrough

Step	Instructions
1 Add Endpoints for SQL Server [ ] - Done	• On your Azure portal, select the data tier virtual machine. • Select **ENDPOINTS** and click  • Select **ADD A STANDALONE ENDPOINT**  • Add a friendly NAME and specify the SQL Server Analysis Services port.  • The default port is 2382 or 2383, which varies depending on the version of SQL Server you installed and the type of instance. Use SQL Server Configuration Manager to determine the ports which your deployment uses. • Port 80 is needed for Reporting Services, giving us the following set of endpoints

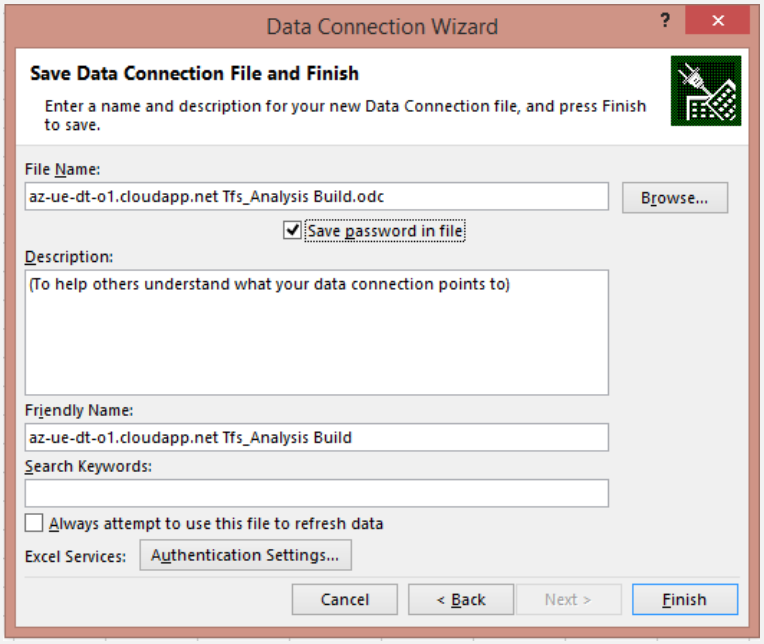
Step	Instructions
	• Confirm the endpoint appears under ENDPOINTS. az-ue-dt-o1 DASHBOARD MONITOR ENDPOINTS CONFIGURE NAME ↑ PROTOCOL PUBLIC PORT PRIVATE PORT HTTP TCP 80 80 MSSQL AS TCP 2383 2383 PowerShell TCP 5986 5986 Remote Desktop TCP 63150 3389
3 Connect to SQL Server from outside Azure ☐ - Done	• Start Microsoft Excel. • Use the Data Connection Wizard to connect to the Database Server.  • Define the **Server name** and credentials. 

Step	Instructions

- Select the **Tfs_Analysis** database and **Build** table.



- Save the Data Connection File and select **Finish**.



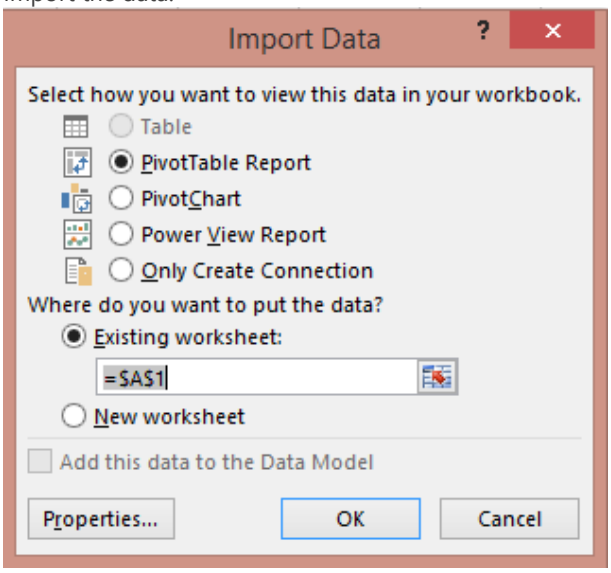
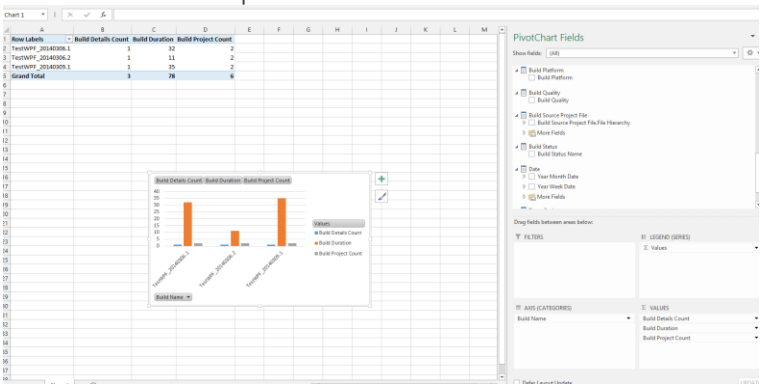
Step	Instructions
4 Create a test report ☐ - Done	• Import the data.  • Create a PivotTable Report 

Table 1 – Expose the data tier (SQL Server Analysis Services)