Database Requirements

Enterprise Team Foundation Server

# Foreword

Contained within this document are the database requirements for the Enterprise Team Foundation Server (ETFS) service. Team Foundation Server (TFS) is a Microsoft product that provides full Application Lifecycle Management for software development. ETFS is the “Enterprise level” install of this product for use across 3M. Published database requirements for Team Foundation Server 2013 are documented here: <http://msdn.microsoft.com/en-us/library/dd631889.aspx>.

There are 3 environments that make up the ETFS service – DEV, QA, and PROD. Each is listed below with the ETFS requirements.

# Database Service Required

Database Services required for each environment include:

• Database Engine Services Instance

• Full-Text and Semantic Extractions for Search

• Analysis Services Instance

• Reporting Services Instance

# DEV

The DEV instance is a shared instance of MS SQL Server 2012 SP1 with a cumulative patch (KB2793634) from <http://www.microsoft.com/en-us/download/details.aspx?id=36215> . This brings the version to 11.0.3128

Database Services, Analysis Services, and Reporting services are used by Team Foundation Server 2013.

|  |  |  |
| --- | --- | --- |
| Property | Description |  |
| Database Instance | DEVSQL46 |  |
| Analysis Services Instance | **TBD** |  |
| Reporting Services Instance | **TBD** |  |
| Supported edition | MS SQL Server 2012 SP1 with a cumulative patch (KB2793634) from <http://www.microsoft.com/en-us/download/details.aspx?id=36215> . This bring the version to **11.0.3128**. |  |
|  |  |  |
| Collation settings | Database Engine | SQL\_Latin1\_General\_CP1\_CI\_AS |
| Analysis Services | Latin1\_General\_CI\_AS |
| Authentication | Windows authentication |  |
| Permission | Database Services – sysadmin access | US-SEMS-ETFS-Admin |
| Analysis Services – Admin Access | US-SEMS-ETFS-Admin |
| Reporting Services – Admin Access | US-SEMS-ETFS-Admin |
| Service account | Database Services: | USAC\usfetfsdevs |
| Analysis Services: – | USAC\usfetfsdevr |
| Reporting Services - Used by common data sources to connect to Tfs\_Warehouse (relational warehouse) and Tfs\_Analysis (cube) | USAC\usfetfsdevr |

# QA

|  |  |  |
| --- | --- | --- |
| Property | Description |  |
| Database Instance | PRODSQLCL219 |  |
| Analysis Services Instance | **TBD** |  |
| Reporting Services Instance | **TBD** |  |
| Supported edition | MS SQL Server 2012 SP1 with a cumulative patch (KB2793634) from <http://www.microsoft.com/en-us/download/details.aspx?id=36215> . This bring the version to **11.0.3128**. |  |
|  |  |  |
| Collation settings | Database Engine | SQL\_Latin1\_General\_CP1\_CI\_AS |
| Analysis Services | Latin1\_General\_CI\_AS |
| Authentication | Windows authentication |  |
| Permission | Database Services – sysadmin access | US-SEMS-ETFS-Admin |
| Analysis Services – Admin Access | US-SEMS-ETFS-Admin |
| Reporting Services – Admin Access | US-SEMS-ETFS-Admin |
| Service account | Database Services: | USAC\usfetfsqas |
| Analysis Services: – | USAC\usfetfsqar |
| Reporting Services - Used by common data sources to connect to Tfs\_Warehouse (relational warehouse) and Tfs\_Analysis (cube) | USAC\usfetfsqar |

# Prod

|  |  |  |
| --- | --- | --- |
| Property | Description |  |
| Database Instance | PRODSQLCL220 |  |
| Analysis Services Instance | **TBD** |  |
| Reporting Services Instance | **TBD** |  |
| Supported edition | MS SQL Server 2012 SP1 with a cumulative patch (KB2793634) from <http://www.microsoft.com/en-us/download/details.aspx?id=36215> . This bring the version to **11.0.3128**. |  |
|  |  |  |
| Collation settings | Database Engine | SQL\_Latin1\_General\_CP1\_CI\_AS |
| Analysis Services | Latin1\_General\_CI\_AS |
| Authentication | Windows authentication |  |
| Permission | Database Services – sysadmin access | US-SEMS-ETFS-Admin |
| Analysis Services – Admin Access | US-SEMS-ETFS-Admin |
| Reporting Services – Admin Access | US-SEMS-ETFS-Admin |
| Service account | Database Services: | USAC\usfetfsprods |
| Analysis Services: – | USAC\usfetfsprodr |
| Reporting Services - Used by common data sources to connect to Tfs\_Warehouse (relational warehouse) and Tfs\_Analysis (cube) | USAC\usfetfsprodr |

# System Installation

As shown in the tables above, the US-SEMS-ETFS-Admin active directory group must have admin access to all three systems to perform a standard installation of TFS. During the installation, the service accounts (which are specified in the installation) are added to the appropriate systems with appropriate permissions. Service accounts to not need to be manually added to the instance, unless the 3M process dictates the need.