LINK Data Dispatcher



Best Practice Analyzer Results

Prepared for

3M

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Version 1 Draft

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Revision and Signoff Sheet

Change Record

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| Date | Author | Version | Change reference |
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Reviewers

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| Name | Version approved | Position | Date |
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1. 3M Best Practice Analyzer Results

## Introduction

The [TFS Best Practice Analyzer](https://visualstudiogallery.msdn.microsoft.com/f017b10c-02b4-4d6d-9845-58a06545627f) is a tool which is designed to reveal issues with a TFS installation. Some of these issues include:

* Verify that the deployment for Team Foundation Server is configured according to recommended best practices
* Identify the source of problems in an unhealthy deployment
* Take a snapshot of the configuration of a deployment
* Obtain usage data about the volume of data stored or accessed in the past 14 days. Includes specific information about database tables that have a tendency to grow and that may need to be reduced in size.

### Recommendations

* It is recommended that 3M run this tool at initial install and then thereafter on a regular schedule. Monthly is generally a good timeframe to be able to address notifications before the issues become major problems.
* It is also recommended that 3M keep each iteration of the Best Practices Analyzer results file in TFS so that past issues and results can both be tracked and compared.

## How to run:

Please run this tool on the TFS Application tier using an account that is a TFS Administrator which also have elevated permission on SQL Server such as SysAdmin.

\*\* The location of where you execute this tool will require internet connectivity.

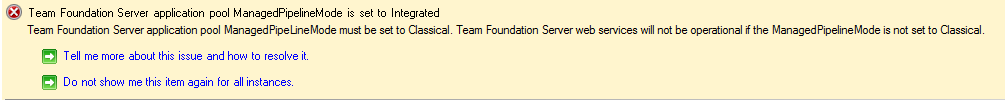
This diagnostic package can scan and provide results for the following options:

* Team Foundation Server Complete Health Check
* Team Foundation Server Framework Health Check
* Team Foundation Server Warehouse Health Check
* Team Foundation Build Health Check
* SharePoint Products Health Check
* Visual Studio Lab Management Health Check
* Project Server Configuration Health Check
* Project Server Synchronization Engine Health Check
* Visual Studio Client Health Check

By default, the application will default to a complete health scan of your TFS server. Depending on how scalable is your TFS server such as database size, number of application tiers/data tier/builds, the scan in general can take between 15-45mins or even more.

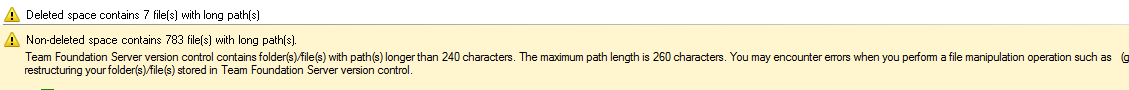
## Results

There is one false positive in the scan. Unfortunately it is a false critical issue:



This is a known issue with this version of the tool and has been reported to the product team. 3M knows this is not a problem and in consultation and agreement with Microsoft has decided to ignore this false positive.

There is an issue which is of concern:



The ETFS Admin team needs to recommend that the affected teams remediate these files. While this will not generally affect the local team, it can make these projects unbuildable on a build server. Generally these are Java files which have long files names in combination with long path names. The remediation is generally to shrink the size of the directory names.

## Summary

The 3M TFS installation is in good condition. The only cause for concern is the files with long paths. While this does not cause issues with TFS, it will cause problems when building these projects on build servers. Please see the ETFS documentation on recommendations on how to structure projects to avoid creating these files. It is recommended that the affected project teams plan to remediate this issue as time allows. The ETFS admin team needs to run the BPA regularly until these files are remediated.