

# Hands-On Lab

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## *Baseline Management with inteGREAT4TFS and Team Foundation Server 2015*

Lab version: 14.0.23107.0

Last updated: 5/19/2015



# Overview

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In this lab, you will learn about the Baseline Management using inteGREAT4TFS and augmented by Team Foundation Server 2015.

## Prerequisites

In order to complete this lab, you will need inteGREAT4TFS and Visual Studio 2015 virtual machine provided by Microsoft. For more information about inteGREAT4TFS, please visit [this URL](#). The information about acquiring and using the Visual Studio 2015 virtual machine is available [here](#).

### Important note:

This lab requires you to use the **default state of the virtual machine**, before any modifications are made to work items or source in TFS. If you followed the “Working With...” instructions, you should have a snapshot/checkpoint of the virtual machine before working with it for the first time. Apply this snapshot/checkpoint before starting this lab.

## About the Fabrikam Fiber Scenario

This set of hands-on-labs uses a fictional company, Fabrikam Fiber, as a backdrop to the scenarios you are learning about. Fabrikam Fiber provides cable television and related services to the United States. They are growing rapidly and have embraced Windows Azure to scale their customer-facing web site directly to end-users to allow them to self-service tickets and track technicians. They also use an on-premises ASP.NET MVC application for their customer service representatives to administer customer orders.

In this set of hands-on labs, you will take part in a number of scenarios that involve the development and testing team at Fabrikam Fiber. The team, which consists of 8-10 people, has decided to use Visual Studio application lifecycle management tools in conjunction with inteGREAT4TFS.

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## Exercises

This hands-on lab includes the following exercises:

1. Accessing inteGREAT4TFS and creating a baseline
  2. Comparing baselines
  3. Copying baselines
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Estimated time to complete this lab: 60 **minutes**.

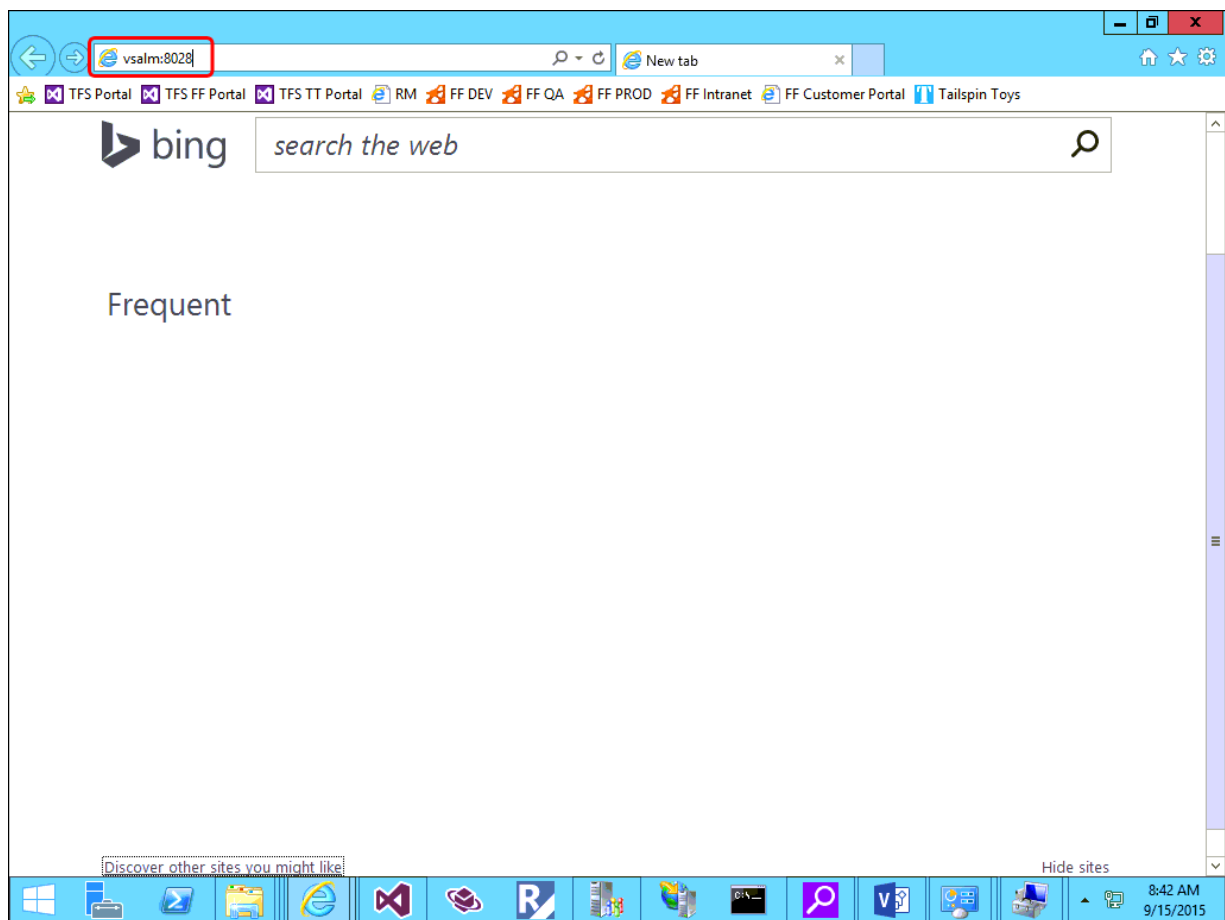
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# Exercise 1: Accessing inteGREAT4TFS and creating a baseline

In this exercise you will learn how to access inteGREAT4TFS and create a baseline using it.

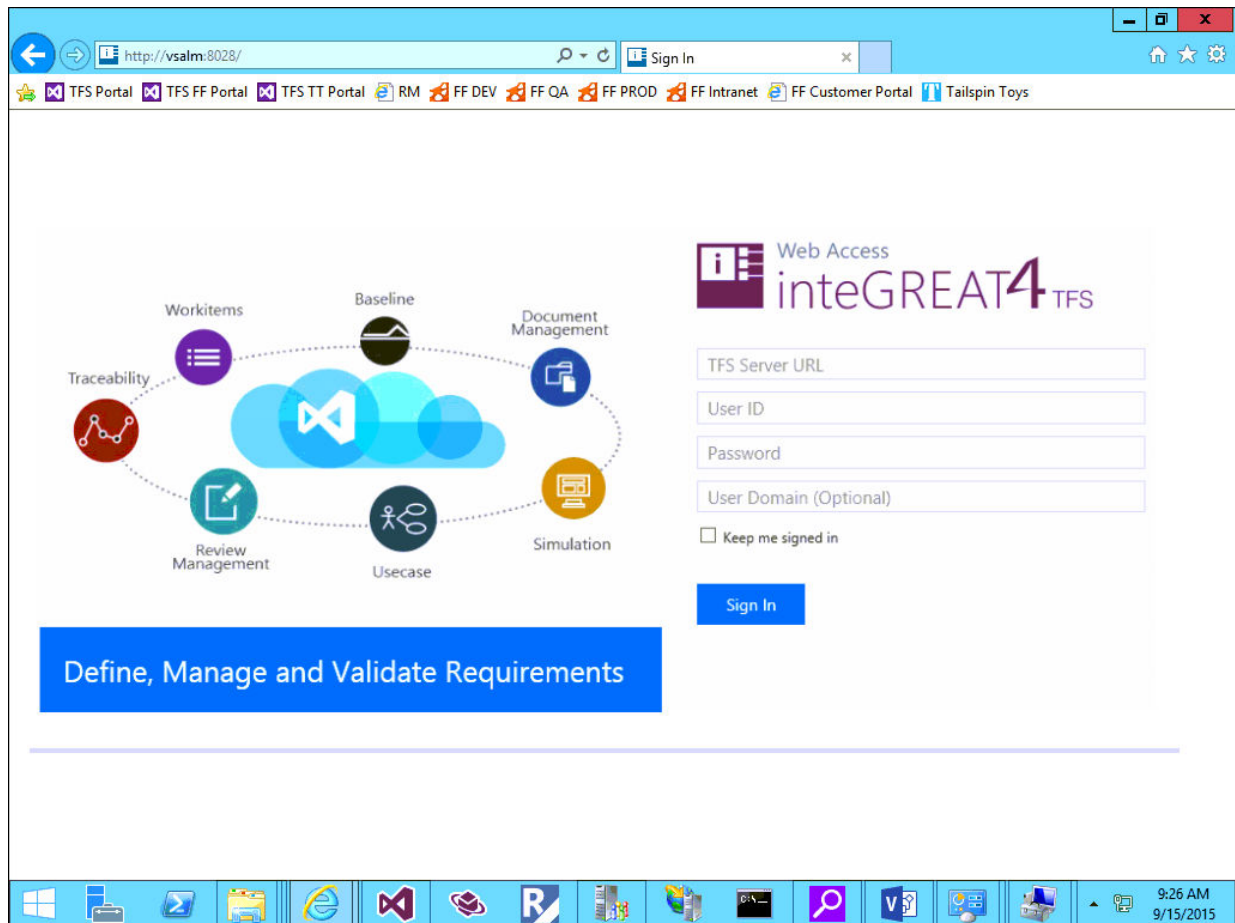
inteGREAT4TFS is an online application that complements SmartOffice4TFS in managing Team Projects. inteGREAT4TFS consists of six distinct modules: **Trace Analysis**, **SmartOffice Library**, **Simulation**, **Use Case Editor**, **Review Management** and **Baselining**. In this hands on lab, we would be using the **Baselining** module only.

1. Log in as **Brian Harry** (VSALM\Brian). All user passwords are **P2ssw0rd**.
2. Start Internet Explorer.
3. Access the following URL: **VSALM:8028**



**Figure 1**  
Accessing inteGREAT4TFS Tab

The Login Page for inteGREAT4TFS is displayed in the browser.



**Figure 2**

Login Page for inteGREAT4TFS

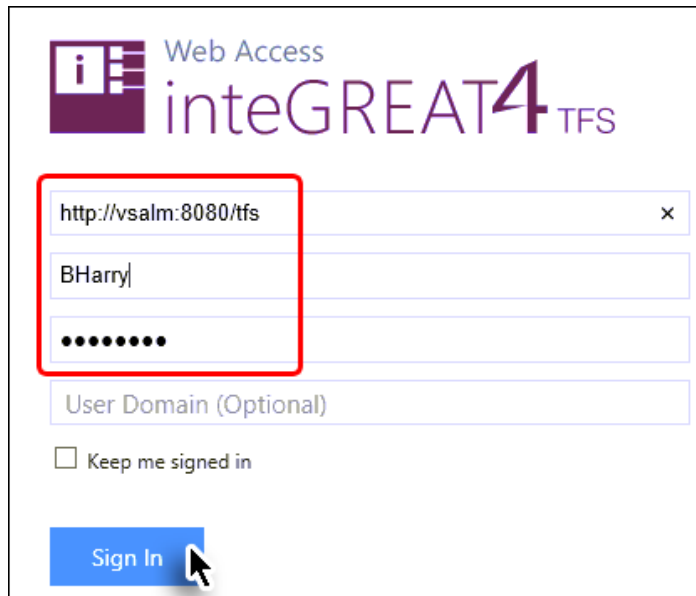
Following login details are to be used:

TFS Server URL: <http://VSALM:8080/tfs>

User ID: **BHarry**

Password: **P2ssw0rd**

4. Enter the login details and click the **Sign In** Button.



Web Access  
inteGREAT4TFS

http://vsalm:8080/tfs

BHarry

.....

User Domain (Optional)

☐ Keep me signed in

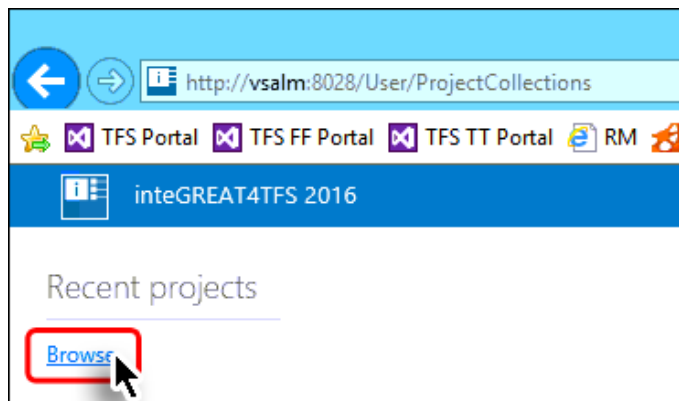
Sign In

**Figure 3**

Signing in using the recommended login details

Home page is displayed.

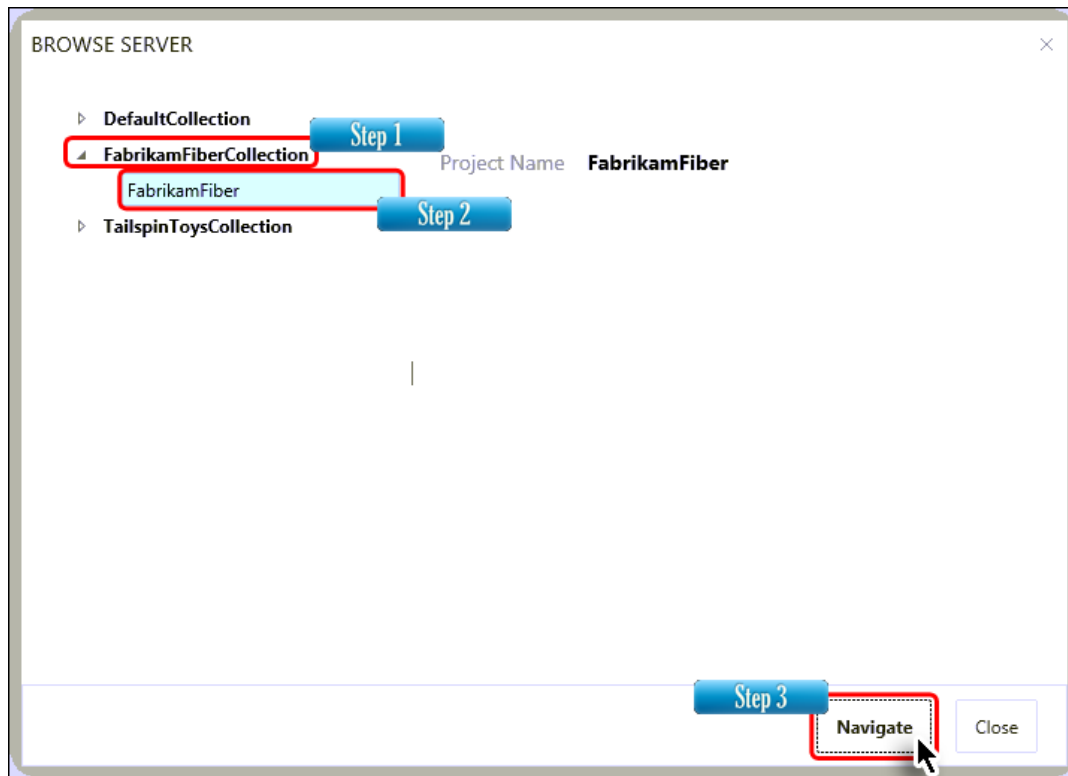
5. Click the **Browse** link.



**Figure 4**

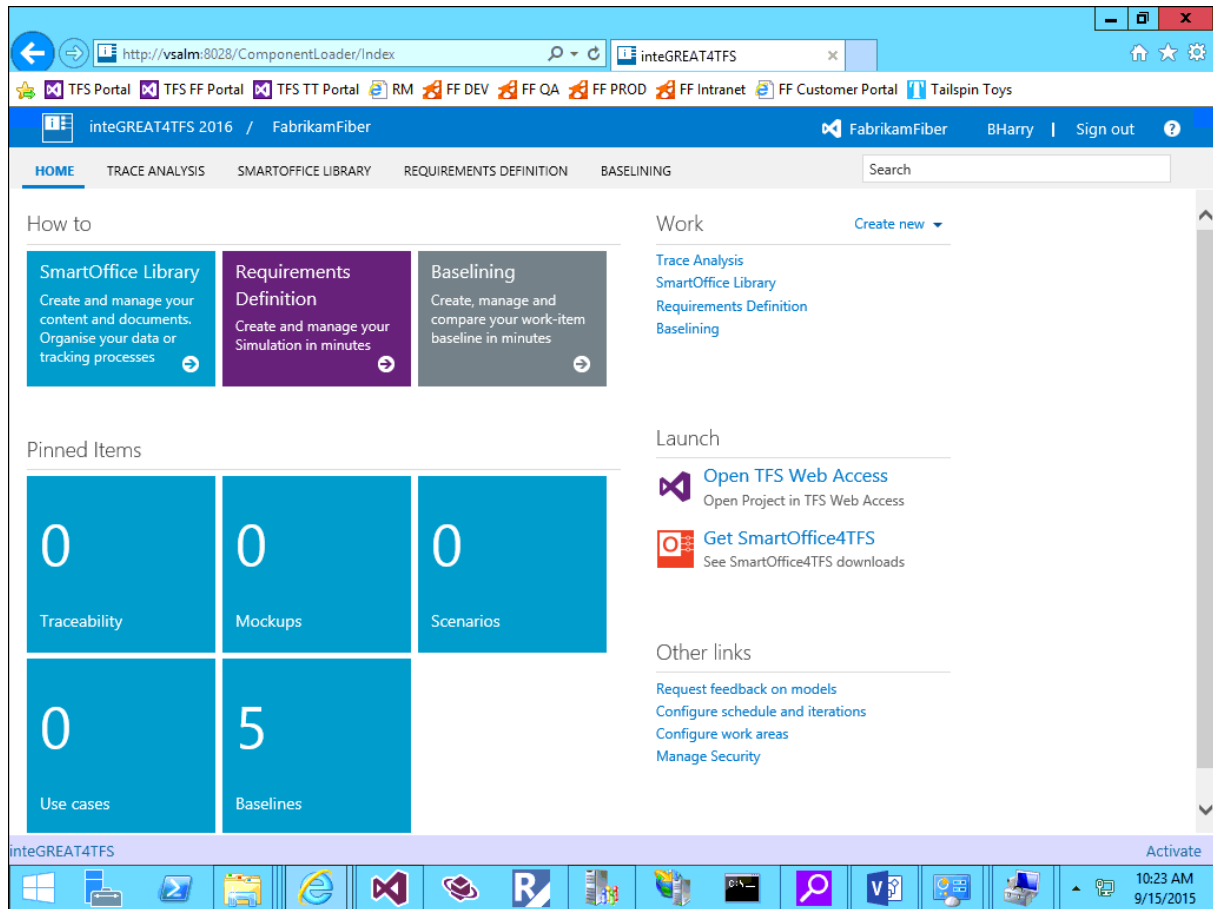
Browse link on the home page

6. Expand **FabrikamFibreCollection** node → select **Fabrikam Fiber** (Team Project) → click the **Navigate** Button.



**Figure 5**  
Selecting the Team Project

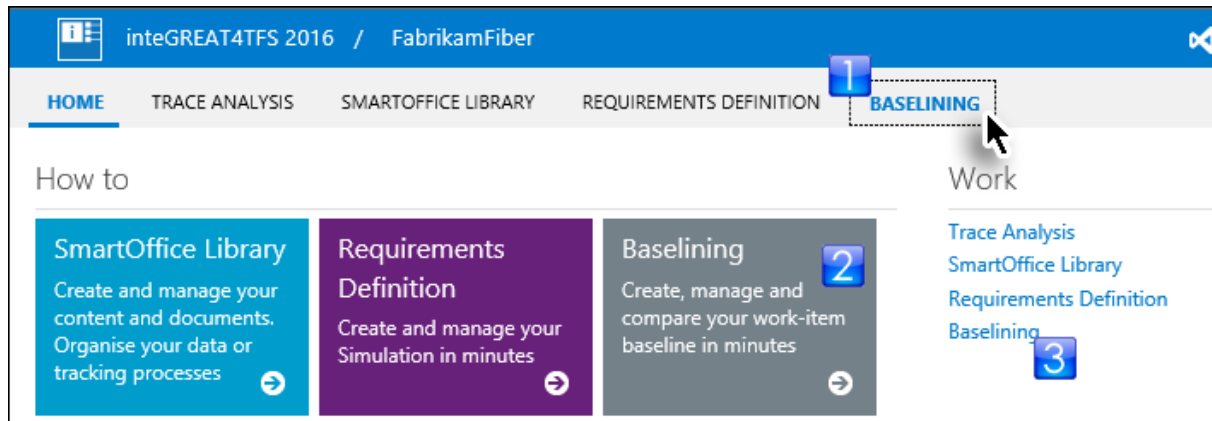
Upon successful connection, the Dashboard of the selected Team Project (**Fabrikam Fiber**) is displayed.



**Figure 6**  
Dashboard in inteGREAT4TFS

**Dashboard** is the place where **the** user gets useful information about the team project. It also leads the users to the desired module in inteGREAT4TFS. Users can select their desired module in a number of ways. Since we would be using the **Baselining** module in this exercise, we would select it.

7. Select the **Baselining** link from the highlighted links shown in the following image.

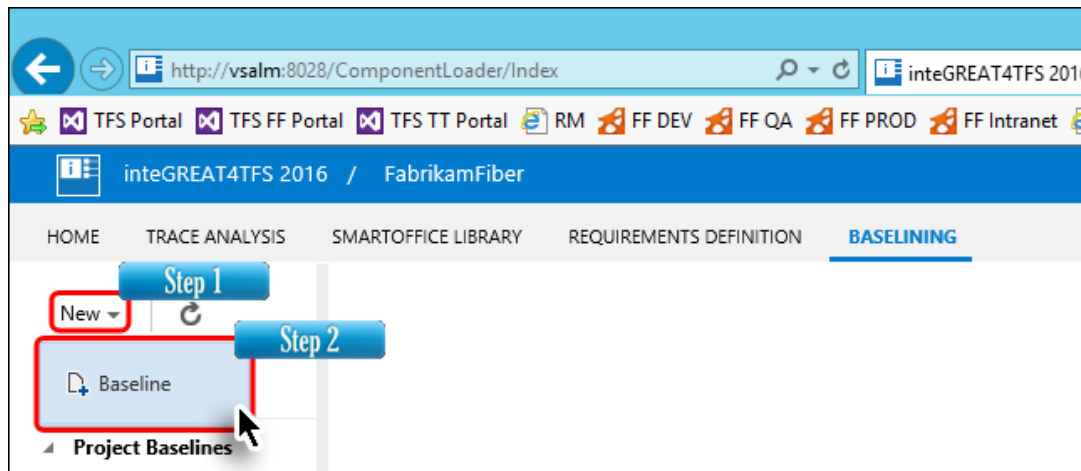


**Figure 7**

Selecting the Baselining module

The landing page of Baselining module is displayed. Originally it would be empty since we have not created any baseline as of yet.

8. Click **New** and then **Baseline** options from the drop down.

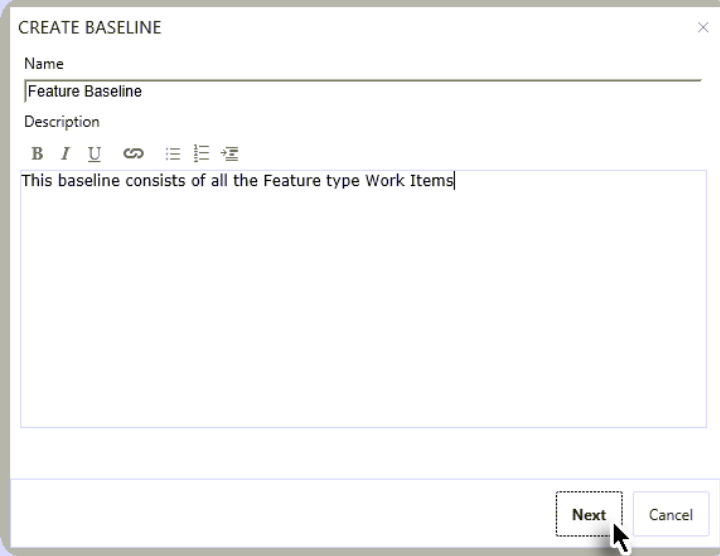


**Figure 8**

Invoking the baseline creation option



9. Enter a suitable name for the baseline; provide a description and click the **Next** Button.



CREATE BASELINE

Name  
Feature Baseline

Description  
This baseline consists of all the Feature type Work Items

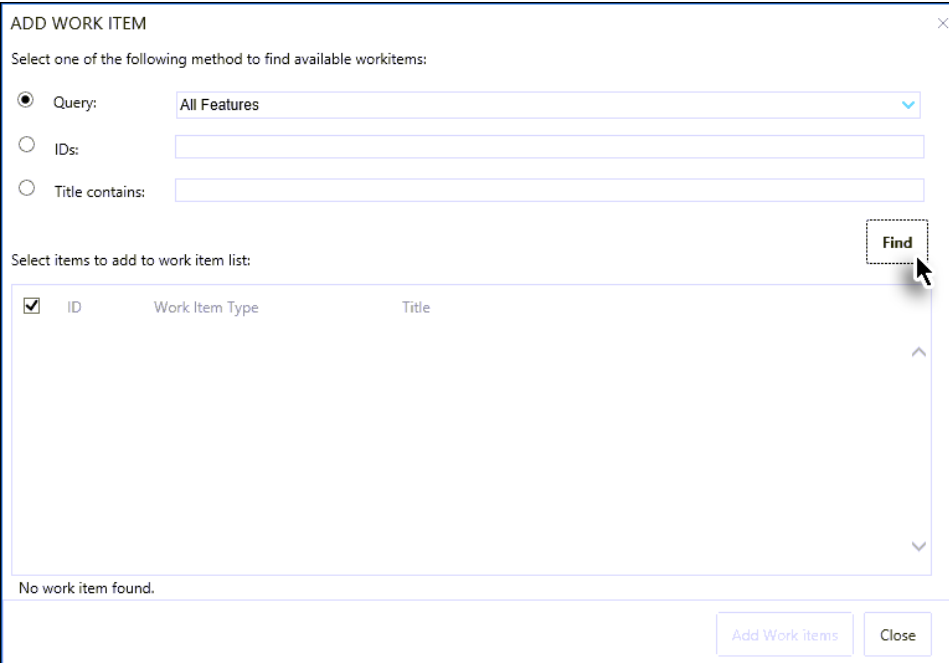
Next Cancel

**Figure 9**

Entering the required information for the baseline

Clicking the **Next** button takes us to the query window where we have to search for the Work Items that we want to include in the baseline. We can search based on saved queries, IDs, full or part of the name

10. Select the desired query and click the **Find** Button.



ADD WORK ITEM

Select one of the following method to find available workitems:

☒ Query: All Features

☐ IDs:

☐ Title contains:

Select items to add to work item list:

ID	Work Item Type	Title
----	----------------	-------

No work item found.

Find

Add Work items Close

**Figure 10**

Finding the required Work Items

10. Select the desired Work Items from the query result and click the **Add Work Items** Button.

ADD WORK ITEM

Select one of the following method to find available workitems:

☒ Query: All Features

☐ IDs:

☐ Title contains:

Find

Select items to add to work item list:

ID	Work Item Type	Title
164	Feature	Location Finder
170	Feature	Television Schedule Lookup
176	Feature	Sign up for and receive email communications
182	Feature	Manage service appointments online
193	Feature	Customer Login
204	Feature	Facebook integration
210	Feature	Technician mobile application

10 work item(s) found.

Add Work items Close

**Figure 11**

Adding the desired Work Items in the baseline

The Work Items window is closed and the added Work Items are listed in a new page. At this moment we have created a list of Work Items that are ready to be included in our baseline. However the baseline itself has not yet been created. This extra step helps users to include additional Work Items, remove unwanted ones, or edit them before finalizing the baseline.

11. Click the **Save** Button.

http://vsalm:8028/ComponentLoader/Index

inteGREAT4TFS 2016

TFS Portal TFS FF Portal TFS TT Portal RM FF DEV FF QA FF PROD FF Intranet FF

inteGREAT4TFS 2016 / FabrikamFiber

HOME TRACE ANALYSIS SMARTOFFICE LIBRARY REQUIREMENTS DEFINITION **BASELINING**

New ▾

Recent Baseline

Project Baselines

New Baseline: Feature Baseline

Save Add Work Item X Refresh

ID	Work Item Type	Title
164	Feature	Location Finder
170	Feature	Television Schedule Lookup
176	Feature	Sign up for and receive email communications

**Figure 12**

Completing the baseline creation process

The baseline is created

The screenshot shows the inteGREAT4TFS 2016 web application interface. The top navigation bar includes links to TFS Portal, TFS FF Portal, TFS TT Portal, RM, FF DEV, FF QA, FF PROD, FF Intranet, FF Customer Portal, and TailsSpin Toys. The main navigation bar shows the current path: inteGREAT4TFS 2016 / FabrikamFiber. The left sidebar contains a 'Recent Baseline' section with 'Feature Baseline' and 'Feature Baseline latest', and a 'Project Baselines' section with 'Feature Baseline latest', 'PBI New', 'Copy of PBI Original...', 'PBI Original baseline', 'Feature New', and 'Feature Baseline'. The main content area is titled 'Showing Details: Feature Baseline' and has tabs for 'View', 'Compare', and 'Details'. The 'View' tab is active, showing a table of work items. The table has columns for ID, Work..., Title, and Rev. ID. The work items listed are:

ID...	Work...	Title	Rev. ID
254	Feature	Purchase Processing Workflow	1
250	Feature	AllVid support for the Pacific North West Regio...	1
247	Feature	AllVid support to be started in limited localities ...	1
210	Feature	Technician mobile application	19
204	Feature	Facebook integration	20
193	Feature	Customer Login	22
182	Feature	Manage service appointments online	20
176	Feature	Sign up for and receive email communications	20
170	Feature	Television Schedule Lookup	21
164	Feature	Location Finder	21

On the right side, there is a detailed view for 'Feature182 - Manage service appointments online'. It shows the revision history: 'As of 07/09/2013 15:46:57, changed by Julia Ilyiana', 'Revision : 20'. Below this, the 'PROPERTIES' section is visible, showing fields like 'Target Date', 'Business Value', 'Priority' (set to 2), 'Acceptance Criteria', 'History', 'Assigned To' (Julia Ilyiana), 'Reason' (Work finished), 'State' (Done), and 'Area Path' (FabrikamFiber\Development).

Figure 13

Baseline as it appears just after creation.

# Exercise 2: Generating Baseline Report

In this exercise you will learn how to generate a Baseline Report.

A Baseline Report is created for a particular baseline. It contains details about the the Work Item it contains.

1. Invoke the **Baselining** module from Dashboard.
2. Click the desired baseline in the Baseline Explorer Panel under Project Baselines.

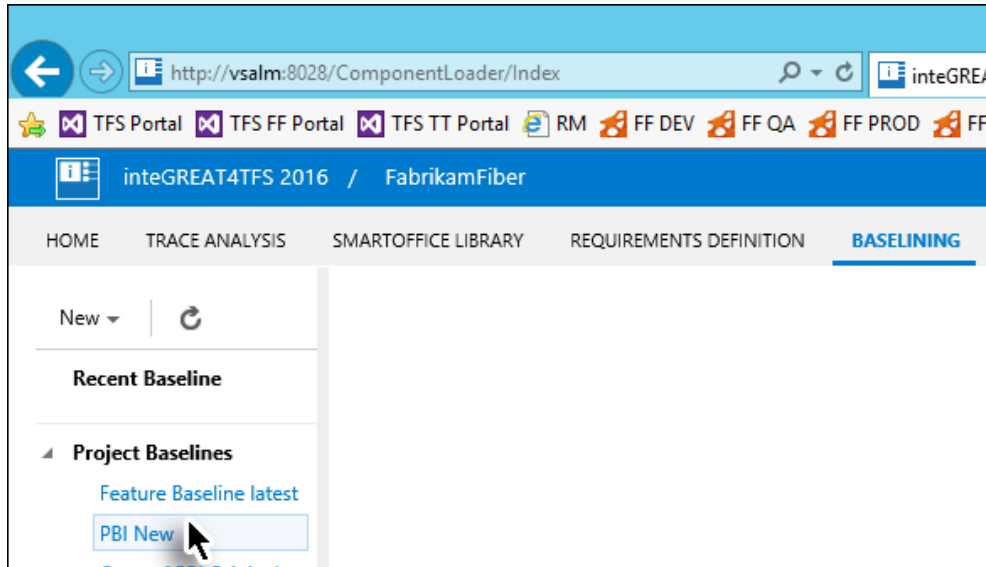


Figure 14

Selecting desired baseline to open

3. Click the **Generate Report** option in the toolbar.

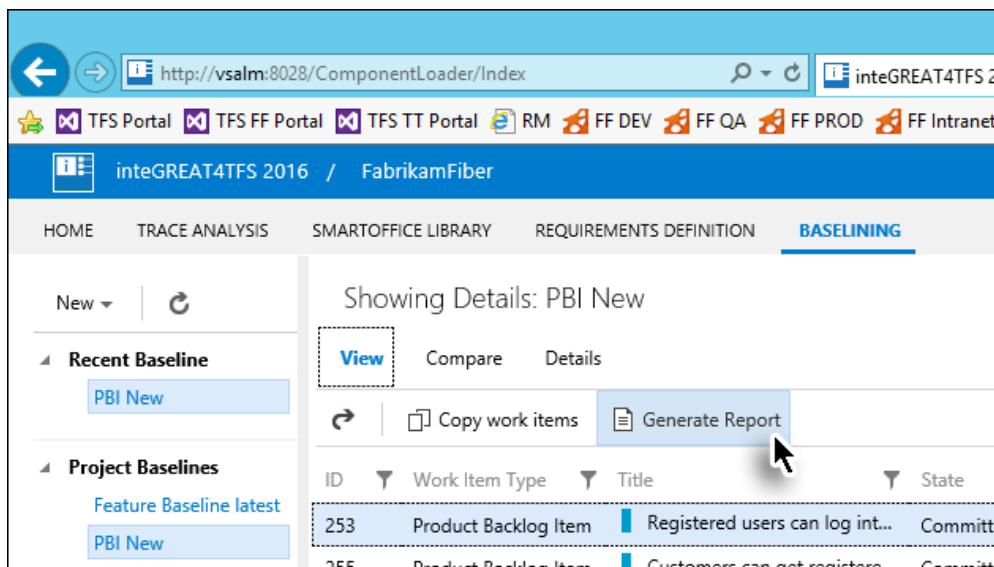
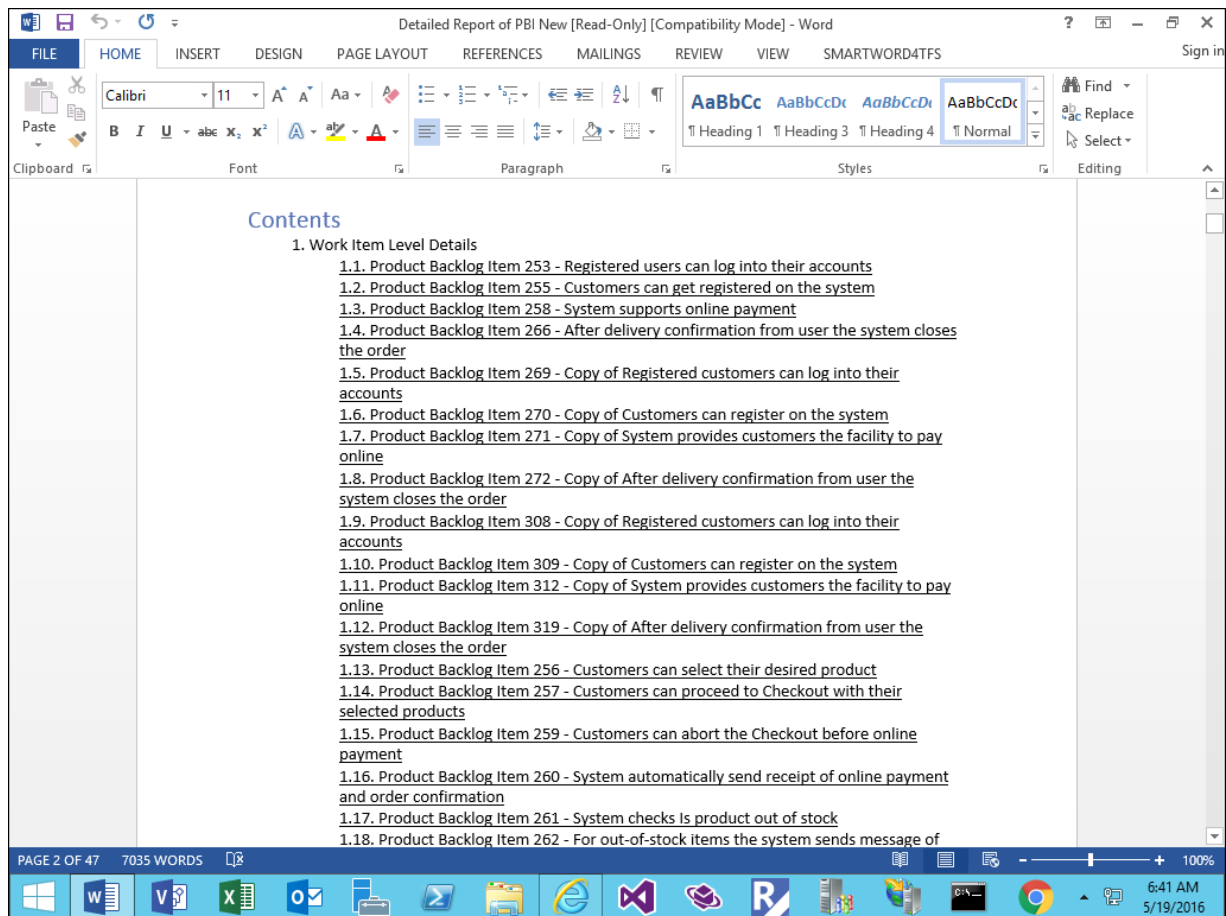


Figure 15

Clicking the Generate Report option

The report is generated and can be opened in Microsoft Word.



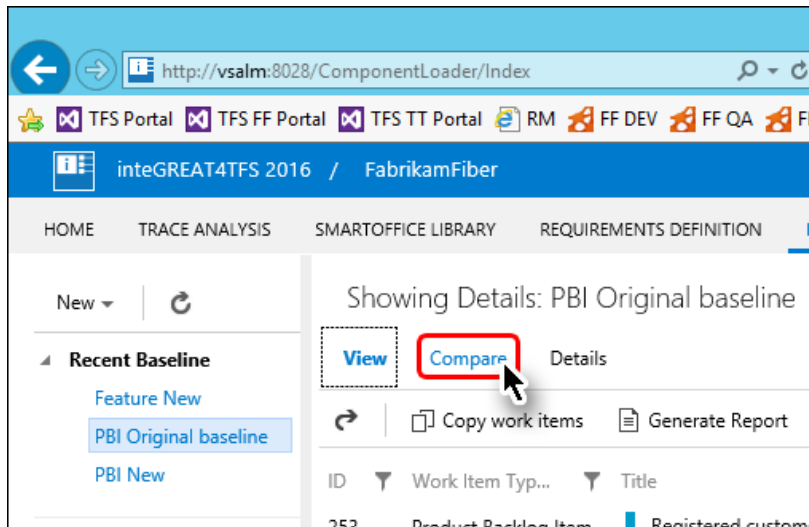
**Figure 16**

The Baseline Report opened in MS-Word

# Exercise 3: Comparing Baselines

In this exercise you will learn how to compare two baselines and create a difference report.

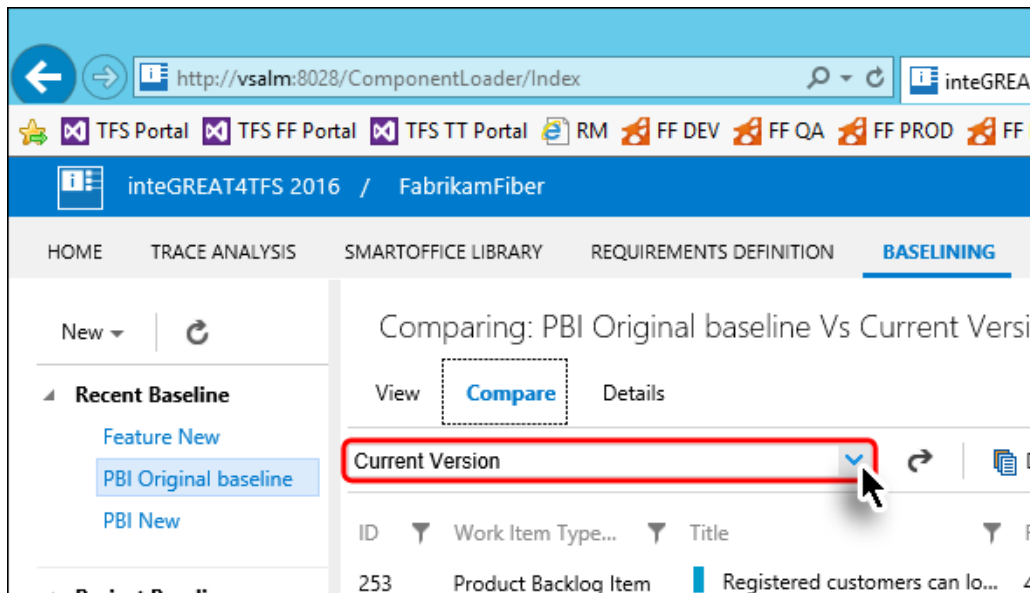
1. Invoke the **Baselining** module from Dashboard.
2. Open the desired baseline using the Baseline Explorer Panel.
3. Now click the **Compare** Tab (below the baseline's name in the Main Panel)



**Figure 17**

Invoking the Compare Tab

4. Click on the downward arrow in the Main Toolbar.



**Figure 18**

Invoking the Comparison drop down

5. Select the desired baseline to compare with the current baseline

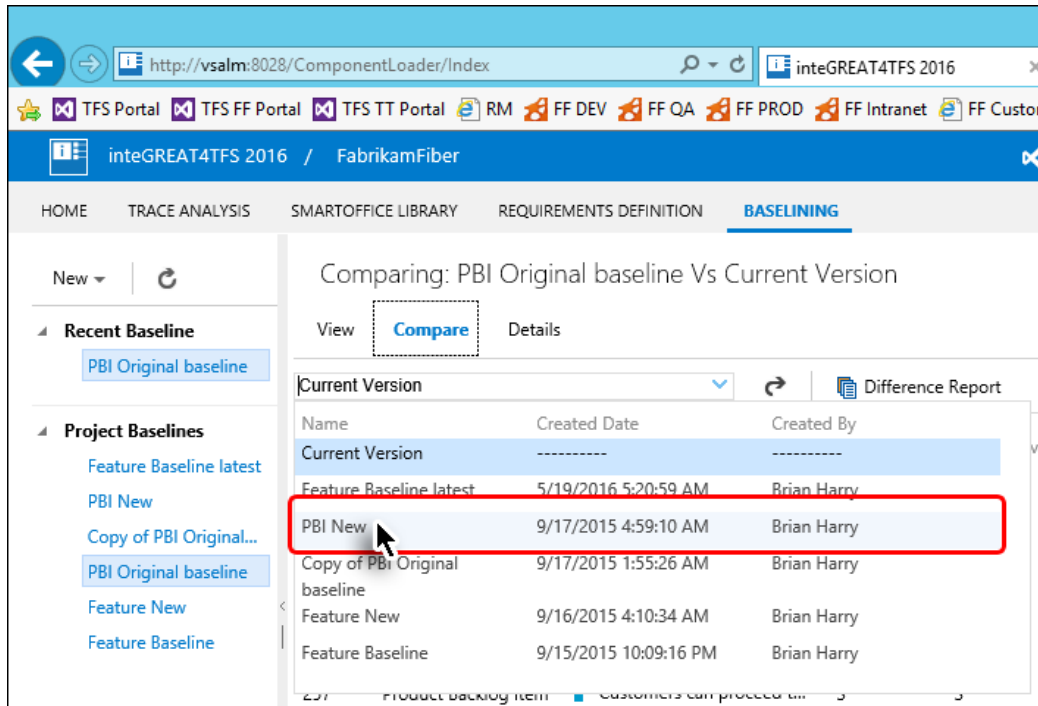


Figure 19

Selecting the baseline for comparison

The comparison between two baselines is shown in the Grid. The Work Items that were updated are mentioned as Changed in the "Comp. Status" column (highlighted in the image).

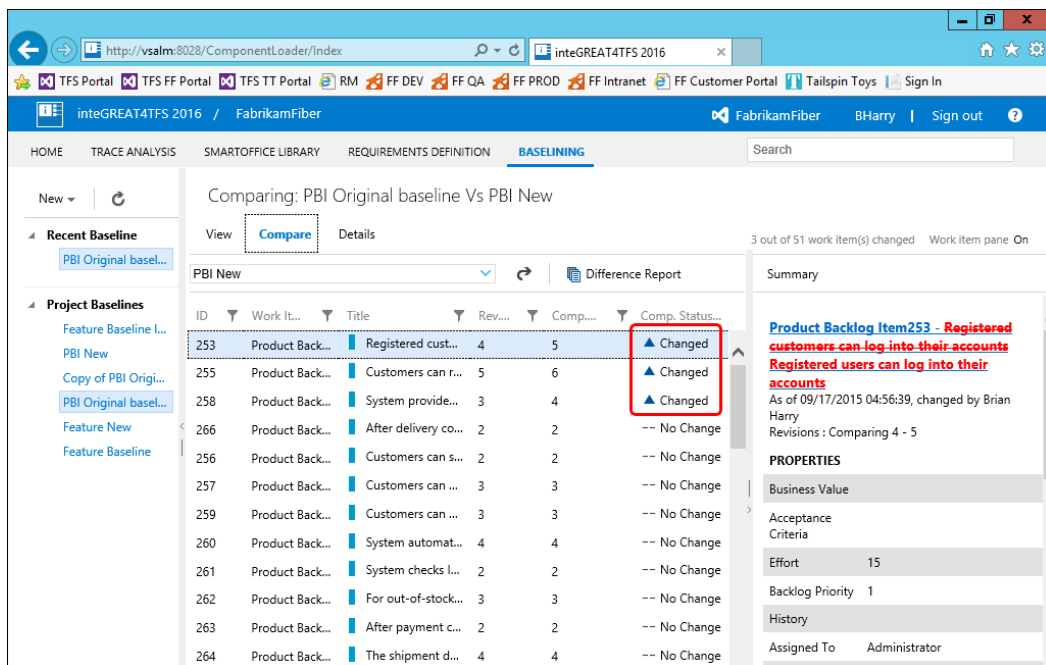
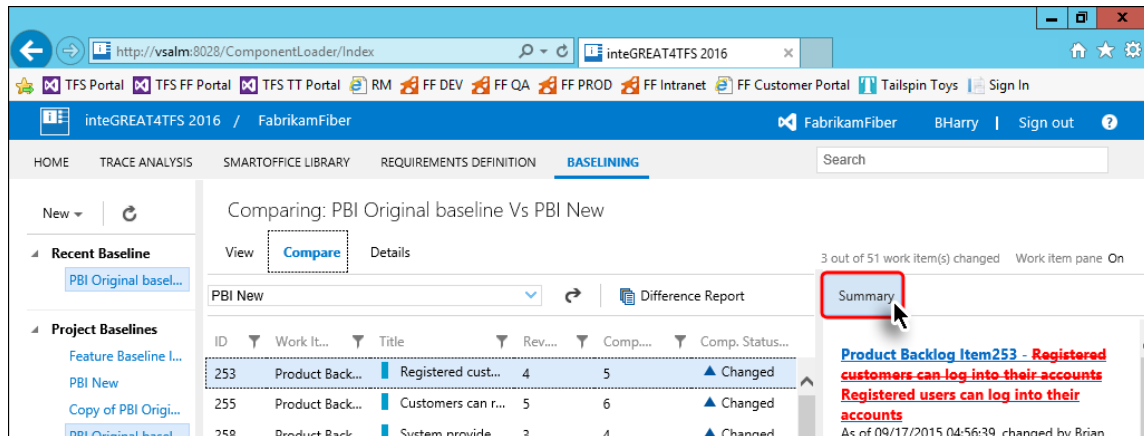


Figure 20

Baseline comparison

The actual updates in the selected Work Items are shown in the **Work Item Details Panel** (at the right hand side of the window). If the difference is not evident, then click the **Summary** Button at the top right of the Work Items Details Pane. This would show only the differential values in the pane.

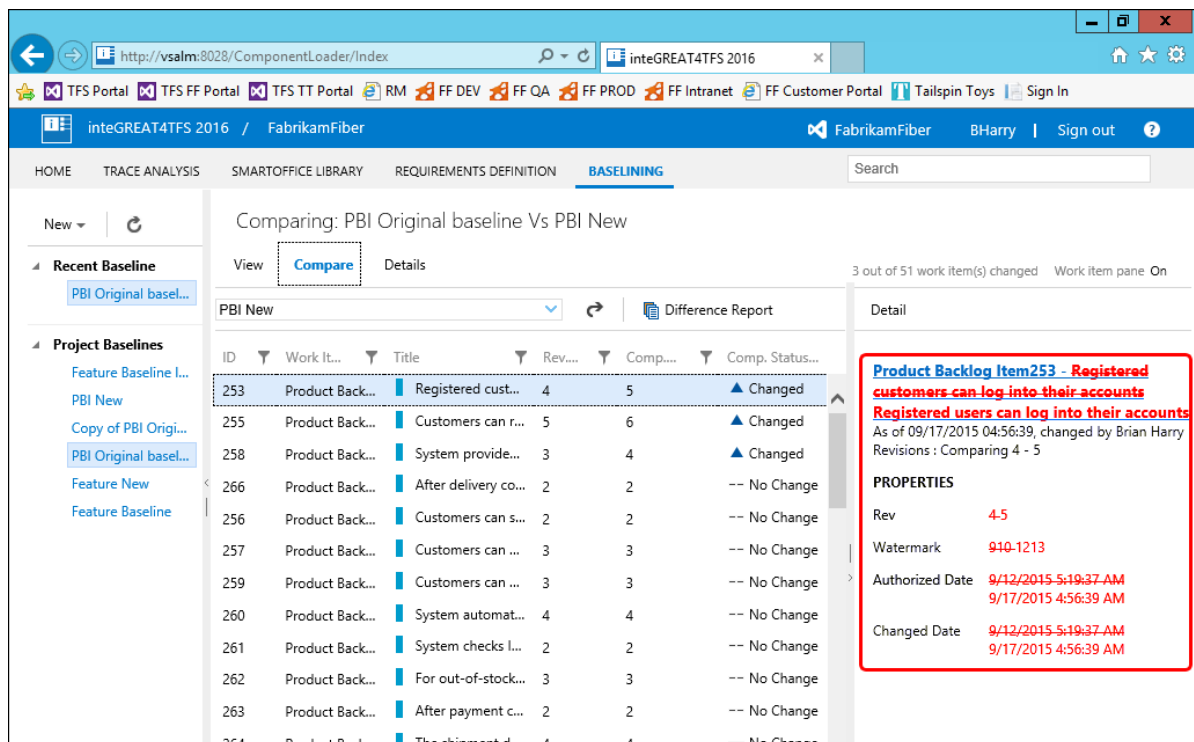
- To switch to the **Summary Mode** (for easy viewing of updates), click the **Summary** option in the **Work Item Details Panel**.



**Figure 21**

Switching to Summary Mode

The **Work Item Details Panel** now shows only the values that were updated.

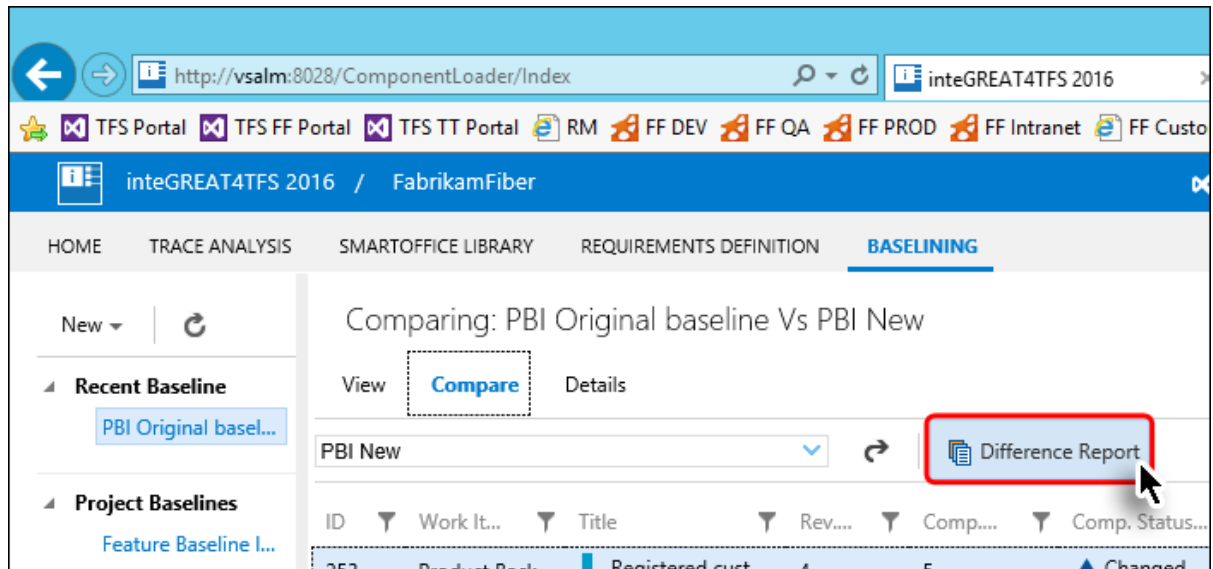


**Figure 22**

The **Work Item Details Panel** in Summary Mode



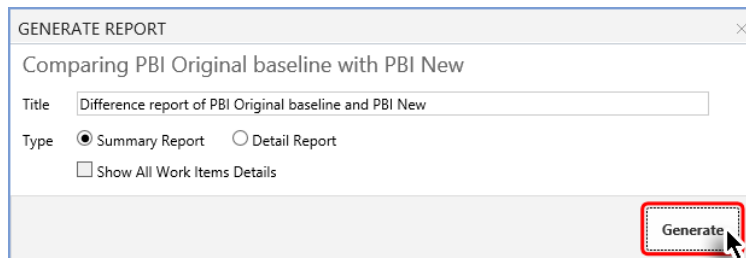
7. Click the **Difference Report** option in the Main Toolbar.



**Figure 23**

Creating the Difference Report (Step1)

8. Enter required information and click the **Generate** Button.

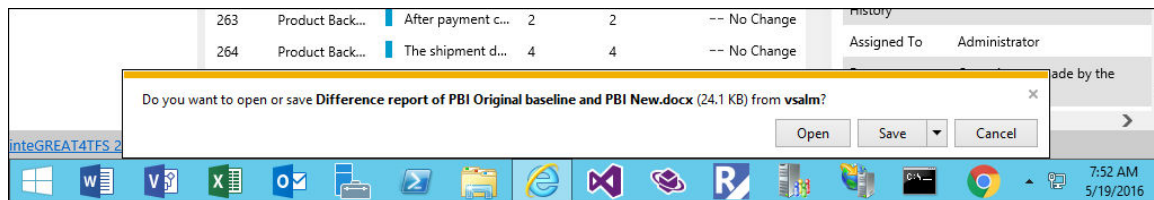


**Figure 24**

Creating the Difference Report (Step2)

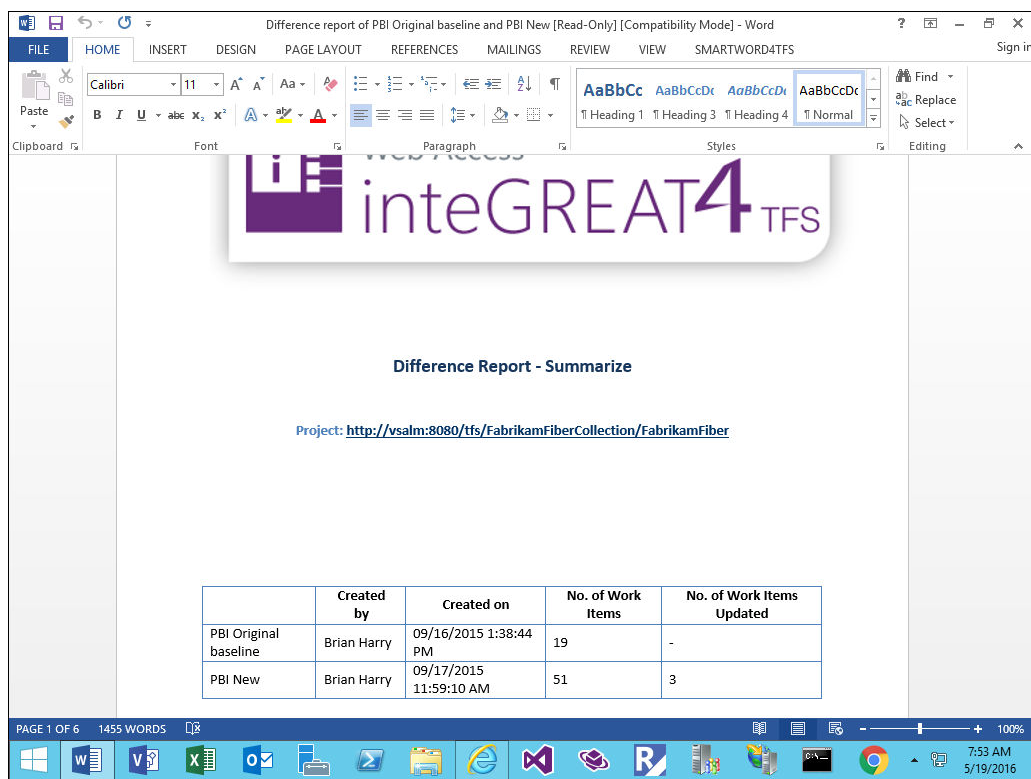
The Difference Report is created in MS-Word format

9. Save or Open the file to complete the process.



**Figure 25**

Message shown after the creation of the Difference Report



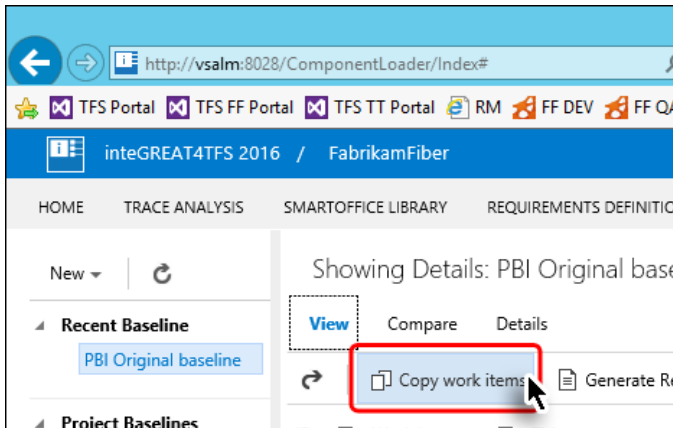
**Figure 26**

The Difference Report opened in Microsoft Word

# Exercise 4: Copying baselines

In this exercise you will learn how to copy a baseline (or its Work Items) to create a new baseline. The copied baseline can be pasted into the same team project or into another project. In both cases the process is same, with only change in the target team project option.

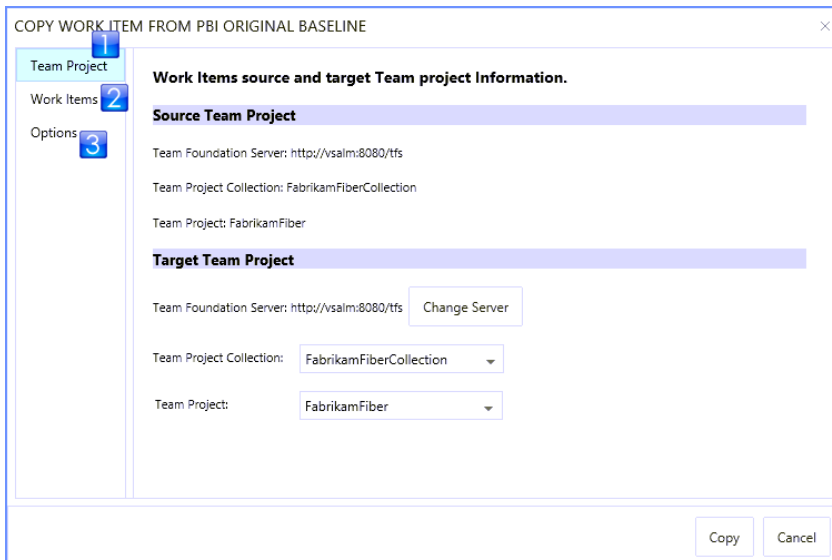
1. Open the desired baseline.
2. Click the **Copy Work Items** option in the Main Toolbar.



**Figure 27**

Initiating the Copy baseline process

The Copy Work Item Window appears. Its options are divided under three sections as marked in the image.



**Figure 28**

The Copy Work Item window

The Team Project option (in the Target Team Project section) tells where the baseline will be copied. Into the same team project or into another one, for example a re-use library project?

**COPY WORK ITEM FROM PBI ORIGINAL BASELINE**

Team Project  
Work Items  
Options

**Work Items source and target Team project Information.**

**Source Team Project**

Team Foundation Server: http://vsalm:8080/tfs  
Team Project Collection: FabrikamFiberCollection  
Team Project: FabrikamFiber

**Target Team Project**

Team Foundation Server: http://vsalm:8080/tfs Change Server  
Team Project Collection: FabrikamFiberCollection  
**Team Project:** FabrikamFiber

Copy Cancel

**Figure 29**

The Target Team Project option

10. Set the options in the **Team Project** section and then click the **Work Items** Tab in the window.

**COPY WORK ITEM FROM PBI ORIGINAL BASELINE**

Team Project  
**Work Items**  
Options

**Work Items source and target Team project Information.**

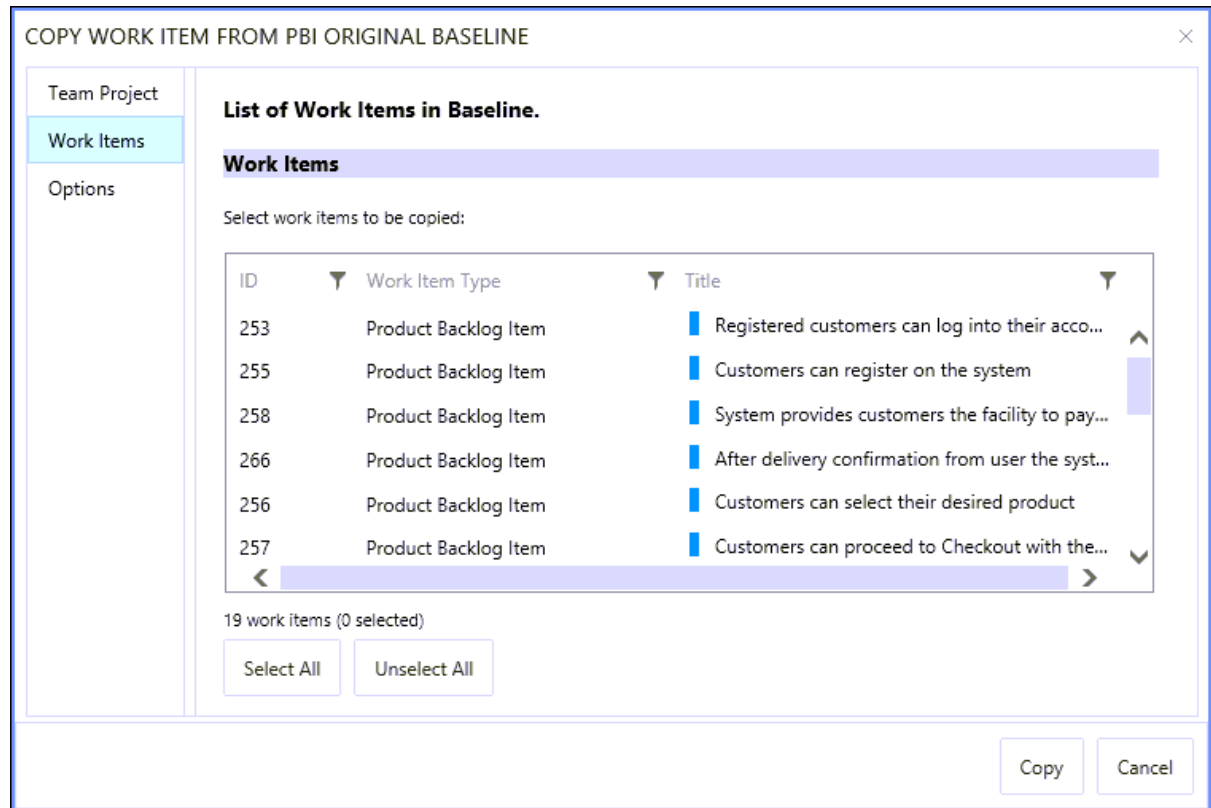
**Source Team Project**

Team Foundation Server: http://vsalm:8080/tfs  
Team Project Collection: FabrikamFiberCollection

**Figure 30**

Moving towards “**Work Items**” Tab

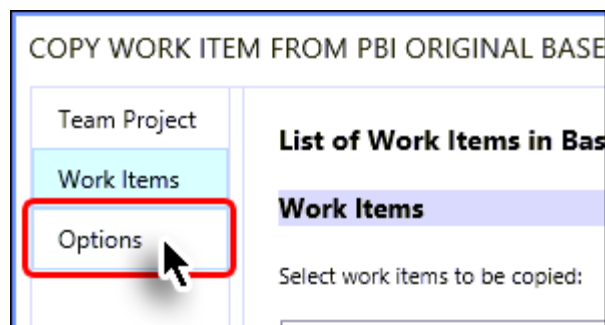
Here All Work Items are shown that are in the selected baseline. Users can select all Work Items (using **Select All** Button) or individually select the desired Work Items (using **Ctrl + click**).



**Figure 31**

Work Item options

11. Select the desired Work Items and then click the **Options** Tab.



**Figure 32**

Moving towards different options in the “Options” Tab

If we enable the **Create Baseline of copy work item(s)** checkbox (marked in the image below) then the baseline is copied as well, otherwise only the selected work items are copied.

12. Set desired options and click the **Copy** Button.

COPY WORK ITEM FROM PBI ORIGINAL BASELINE

Team Project  
Work Items  
Options

**Copy Work item options.**

**Field Options**

Prefix  Postfix

☒ Copy all attachments

**Link Options**

☒ Copy all linked work items  
☐ Link with source work item

**Other Options**

☒ Open target team project  
☒ Create baseline of copied work item(s)

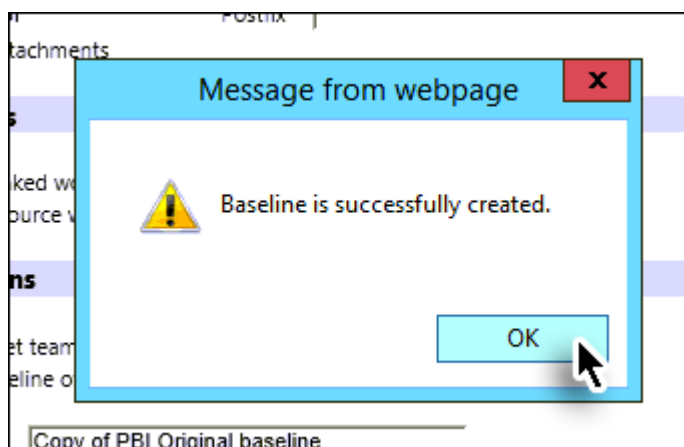
Baseline Name

Copy Cancel

**Figure 33**

Completing the baseline copying process

A copy of the baseline is created and a message is displayed.



**Figure 34**

Baseline creation message

The newly created baseline is now accessible through the Baseline Explorer Panel.

The screenshot shows the TFS web interface for 'FabrikamFiber'. The 'BASELINING' tab is active. In the 'Recent Baseline' section, 'Copy of PBI Original...' is highlighted. In the 'Project Baselines' section, 'Copy of PBI Original...' is also highlighted. The 'Showing Details' panel shows the details of the selected baseline, including the title 'Copy of Registered customers ...' and the state 'New'.

ID	Work Item...	Title	State	Rev. IC
269	Product Backlog ...	Copy of Registered customers ...	New	8
270	Product Backlog ...	Copy of Customers can regist...	New	8
271	Product Backlog ...	Copy of System provides custo...	New	8
272	Product Backlog ...	Copy of After delivery confirma...	New	8
273	Product Backlog ...	Copy of Customers can select t...	New	5
274	Product Backlog ...	Copy of Customers can procee...	New	8
275	Product Backlog ...	Copy of Customers can abort t...	New	6
276	Product Backlog ...	Copy of System automatically s...	New	8
277	Product Backlog ...	Copy of System checks Is prod...	New	8
278	Product Backlog ...	Copy of For out-of-stock items...	New	8
279	Product Backlog ...	Copy of After payment confirm...	New	8
280	Product Backlog ...	Copy of The shipment deptt up...	New	8
281	Product Backlog ...	Copy of Customer can confirm ...	New	8
282	Product Backlog ...	Copy of Customer can find the	New	12

Figure 35

Newly created baseline