

TFS ASAP – Quick-Start: Installation, Setup and using TFS ASAP

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Introduction

Thank you for your interest in TFS ASAP. This tool will help you to leverage the advantages and usability of TFS for your company.

This hands-on tutorial will guide you through the first steps with TFS ASAP and will explain the installation and setup to you, as well as the basic adjustments and usage. The idea of this tutorial is to give you a first overview of TFS ASAP and its functions. Some parts of this tutorial contain adjustments of your TFS process templates. If you are not experienced with such customizations, make sure that you are not working on your production environment. If you need support with the installation or if you are interested in an introduction by our professionals, feel free to contact us: www.tfsasap.com/contact.html.

Preparations

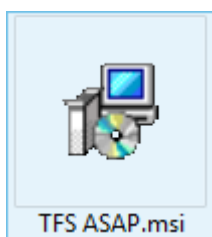
Make sure you have a running TFS installation. We recommend to use the Image provided by **Brian Keller**. You can get the latest Version of the image and the necessary tutorial at:

<http://blogs.msdn.com/b/briankel/archive/2011/09/16/visual-studio-11-application-lifecycle-management-virtual-machine-and-hands-on-labs-demo-scripts.aspx>

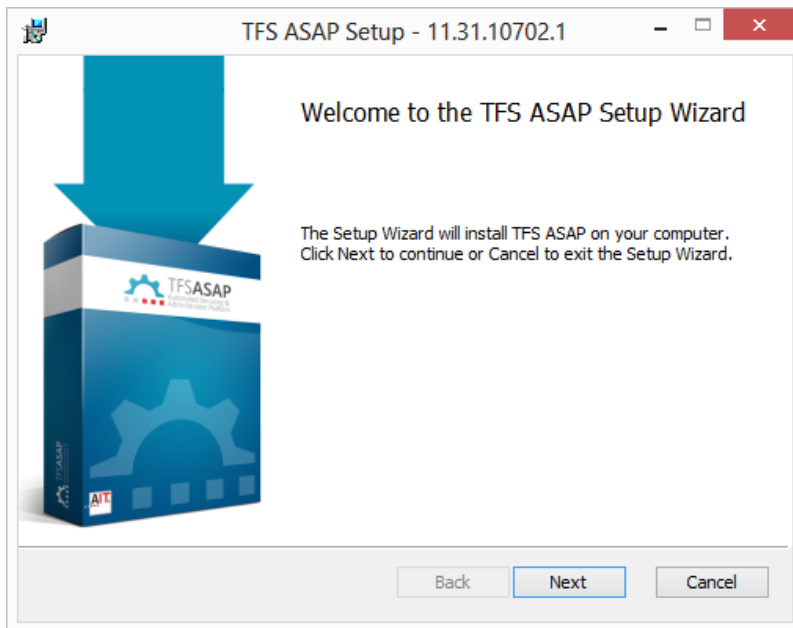
Installation of TFS ASAP

Installing your copy of TFS ASAP is straightforward.

1. Get your copy from
 - a. <http://www.aitgmbh.de/nc/downloads/team-foundation-server-tools/tfs-asap-team-foundation-server-extension.html>
 - b. If you have chosen the trial version of TFS ASAP you will get a license key for the TFS-Image of Brian Keller
2. Launch the TFS ASAP.msi installation file on the machine that has TFS installed.



3. Go through the setup wizard (read and accept the license agreement)



4. TFS ASAP is now installed

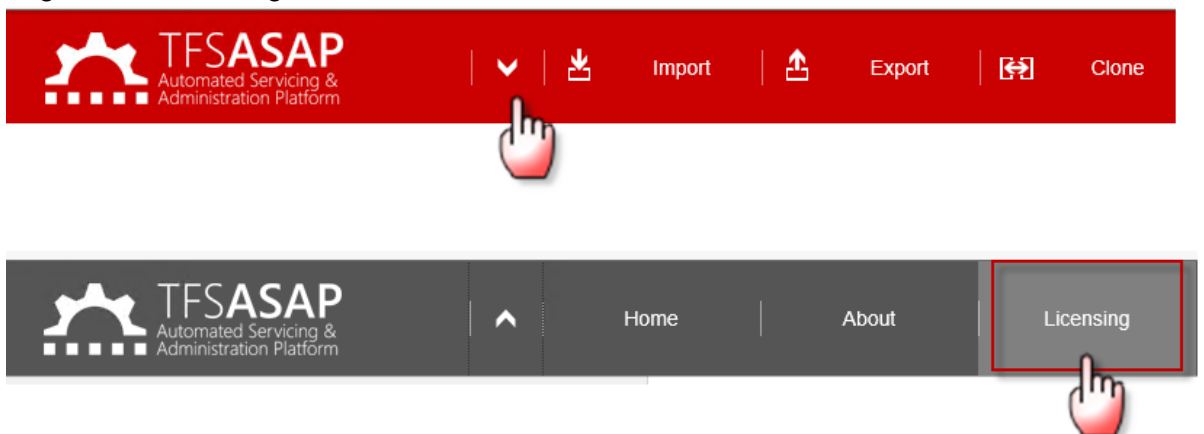
Activate TFS ASAP

As a first step, you have to activate your copy of TFS ASAP

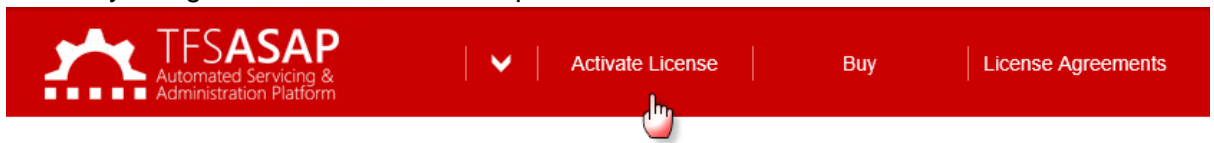
1. Navigate to the management website of TFS ASAP by using the new TFS ASAP shortcut on your desktop or by navigating to the Url directly



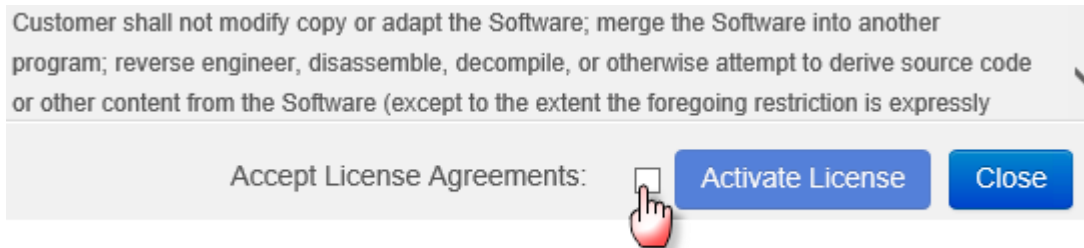
2. On the management website, use the arrow to switch the view and press **Licensing** to get to the licensing view



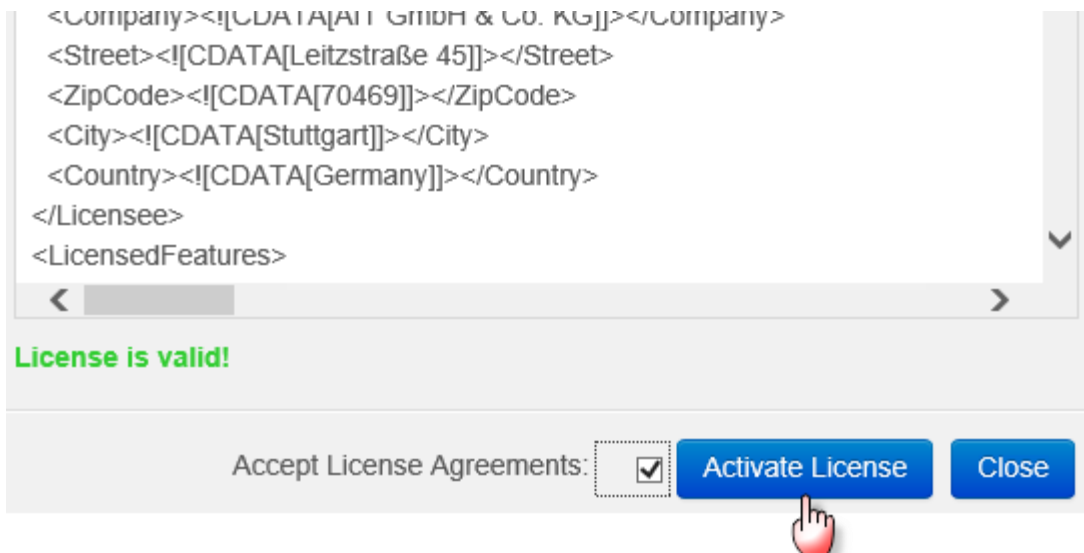
- After that you are able to activate the license provided to you with your purchase of ASAP by using the **Activate License** option



- Accept the license agreements



- Paste the contents of the ***.xml file** that was send to you with your license and **activate it**

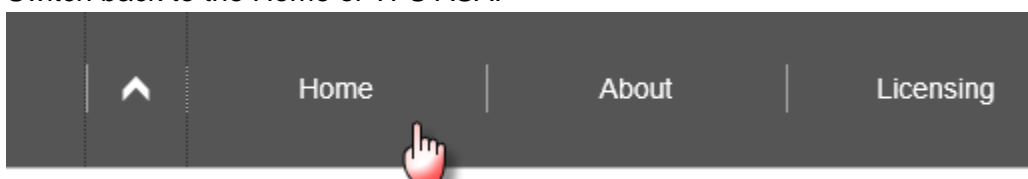


- Your copy of TFS ASAP is now licensed

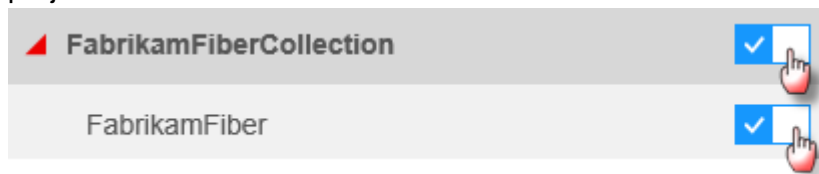
Activate the functions of TFS ASAP

Now the functions of TFS ASAP need to be activated for your collections and projects.

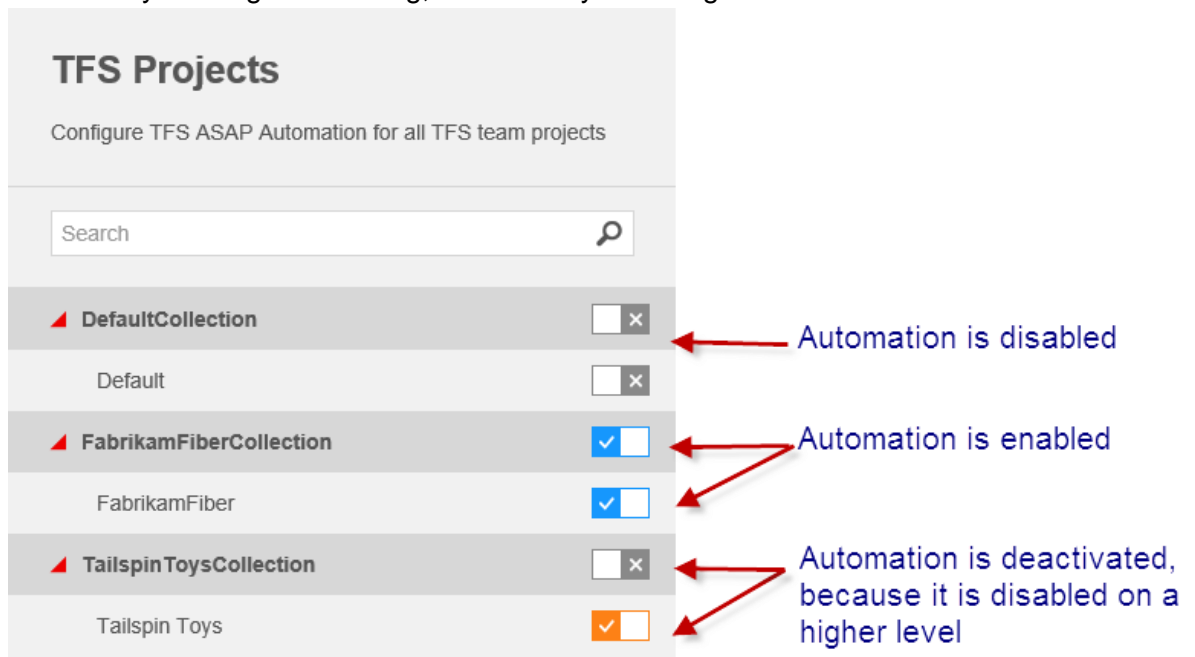
- Switch back to the Home of TFS ASAP



- You can enable ASAP for each project and collection separately by clicking on the switch. Enable it now for the **FabrikamFiberCollection** and the **FabrikamFiber** project



- Make sure that the automation is always enabled for the **project and the collection**, otherwise you will get a warning, indicated by an orange box.



The Trigger-based functions of TFS ASAP

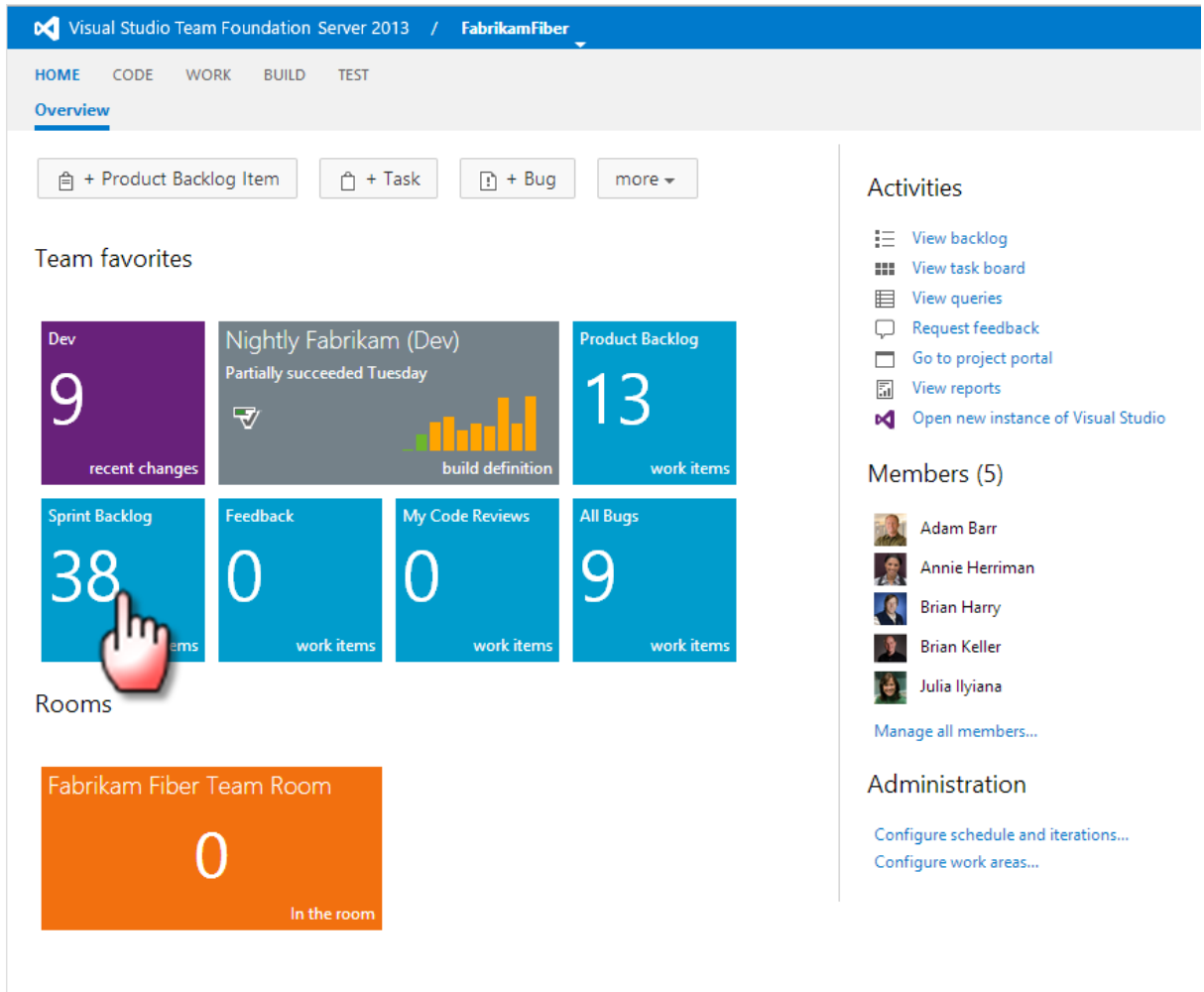
This section will show how to use the trigger-based functions of TFS ASAP. It will explain how to use and test the *Suspect Links* (<http://www.tfsasap.com/video/suspect-links.html>) function and the *Numeric Aggregation* (<http://www.tfsasap.com/video/numeric-aggregation.html>) feature of TFS ASAP.

Trigger based functions example 1: Effort-Aggregation of Work Items

TFS ASAP is seamlessly integrated in TFS. In this example the **FabrikamFiberCollection** from the Brian Keller image will be used to demonstrate specific functions of TFS ASAP.

Preparation: Make sure you have Work-Items that are suitable for aggregation

- Navigate to the Fabrikam Fiber Team Project:
<http://vsalm:8080/tfs/FabrikamFiberCollection/FabrikamFiber>
- Open your Sprint Backlog



Visual Studio Team Foundation Server 2013 / FabrikamFiber

HOME CODE WORK BUILD TEST

Overview

+ Product Backlog Item + Task + Bug more ▾

Team favorites

- Dev: 9 recent changes
- Nightly Fabrikam (Dev): Partially succeeded Tuesday, build definition
- Product Backlog: 13 work items
- Sprint Backlog: 38 items
- Feedback: 0 work items
- My Code Reviews: 0 work items
- All Bugs: 9 work items

Rooms

- Fabrikam Fiber Team Room: 0 In the room

Activities

- View backlog
- View task board
- View queries
- Request feedback
- Go to project portal
- View reports
- Open new instance of Visual Studio

Members (5)

- Adam Barr
- Annie Herriman
- Brian Harry
- Brian Keller
- Julia Ilyiana

Manage all members...

Administration

- Configure schedule and iterations...
- Configure work areas...

3. Make sure you have WorkItems with a Parent-Child relationship. For example a *Product Backlog Item* with another *Product Backlog Item* as a child.

Sprint Backlog

Results Editor Charts

Save query [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] Column options

ID	Title	Backlog ...	Assigned To
216	Technician can report busy/late on Windows Phone.		Brian Keller
217	Review feature with technician early adopters.		Julia Ilyiana
218	Implement feature in app and wire up to back-end database.		Brian Harry
219	Create UI for feature.		Annie Herr..
220	Design implementation of feature.		Brian Keller
221	Technician can send GPS location from Windows Phone.		Brian Keller
222	Review new feature with technician early adopters.		Julia Ilyiana
223	Create UI for new feature.		Annie Herr..
224	Write code to get GPS location and resolve to address.		Brian Harry
225	Design implementation of feature.		Brian Keller
226	Technician can edit customer contact details on Windows Phone.		Brian Keller
227	Review implementation with privacy policy team.		Julia Ilyiana
228	Create UI for looking up customer details.Changed		Annie Herr..
229	Design implementation of feature.		Brian Keller
230	Create database tables and sprocs to look up customers.		Brian Harry

Your backlog should approximately look like this

Product Backlog Item 211: Technician can see service tickets on Windows Phone.

4. Right-Click on any *Product Backlog Item* (indicated by a blue box [■]) and select “Link selected item(s) to a new work item”

Results Editor Charts

Save query [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] [Refresh] Column options

ID	Title	Backlog ...	As:
216	Technician can report busy/late on Windows Phone.		Bri
	Review feature with technician early adopters.		Jul
	Implement feature in app and wire up to back-end database.		Bri
	Create UI for feature.		An
	Design implementation of feature.		Bri
	Technician can send GPS location from Windows Phone.		Bri
	Review new feature with technician early adopters.		Jul
	Write code to get GPS location and resolve to address.		An
	Design implementation of feature.		Bri
	Technician can edit customer contact details on Windows Phone.		Bri
	Review implementation with privacy policy team.		Jul
	Create UI for looking up customer details.Changed		An
	Design implementation of feature.		Bri
	Create database tables and sprocs to look up customers.		Bri

Open

Assign to

Move to iteration

Edit selected work item(s)...

Clone work item

Create copy of work item...

Link selected item(s) to a new work item...

Link to an existing work item...

Copy

Email selected work item(s)...

Link selected item(s) to a new work item

- In the following window, select **Child** as relationship and the work item type **Product Backlog Item**

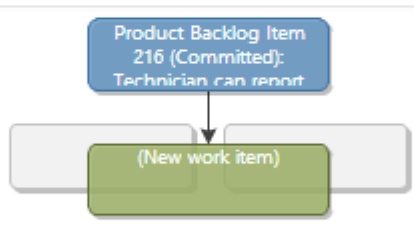
ADD NEW LINKED WORK ITEM TO PRODUCT BACKLOG ITEM 216: TI x

Select the link type and the details.

Link type

Work item type

Title



Comment

Save and close your new Product Backlog Item in the next window

- Refresh your Backlog, you will see your new item afterwards

ID	Title	Backlog ...	Assigned To	State	Remainin...	Blocked	Work Item...
211	Technician can see service tickets on Windows Phone.		Brian Keller	Committed			Product B...
216	Technician can report busy/late on Windows Phone.		Brian Keller	Committed			Product B...
217	Review feature with technician early adopters.		Julia Ilyiana	In Progress	20		Task
218	Implement feature in app and wire up to back-end database.		Brian Harry	In Progress	10		Task
219	Create UI for feature.		Annie Herr...	Done			Task
220	Design implementation of feature.		Brian Keller	In Progress	1		Task
265	A child PBI		Brian Keller	New			Product B...

- Repeat the steps again to create another child item

8. At the end use the column options

Sprint Backlog

Results Editor Charts

Save query Refresh Undo Column options



9. Add the *Effort* column to your backlog

COLUMN OPTIONS x

Display columns Sort columns



Project
FabrikamFiber

Work item type
All Work Item Types

Available columns		Selected columns	
Changed Date	>	ID [70]	↑
Closed By	>	Title [450]	↓
Closed Date	>	Backlog Priority [70]	
Closed Status	>	Assigned To [75]	
Closed Status Code	>	State [75]	
Closing Comment	>	Remaining Work [70]	
Created By	>	Blocked [75]	
Created Date	>	Work Item Type [75]	
Description	>		
Effort	>		

Width: 75

OK Cancel

At the end, your backlog should contain a Product Backlog Item with two children and the *Effort* column should be visible.

Sprint Backlog

Results Editor Charts

Save query Refresh Undo Redo Print Mail Column options

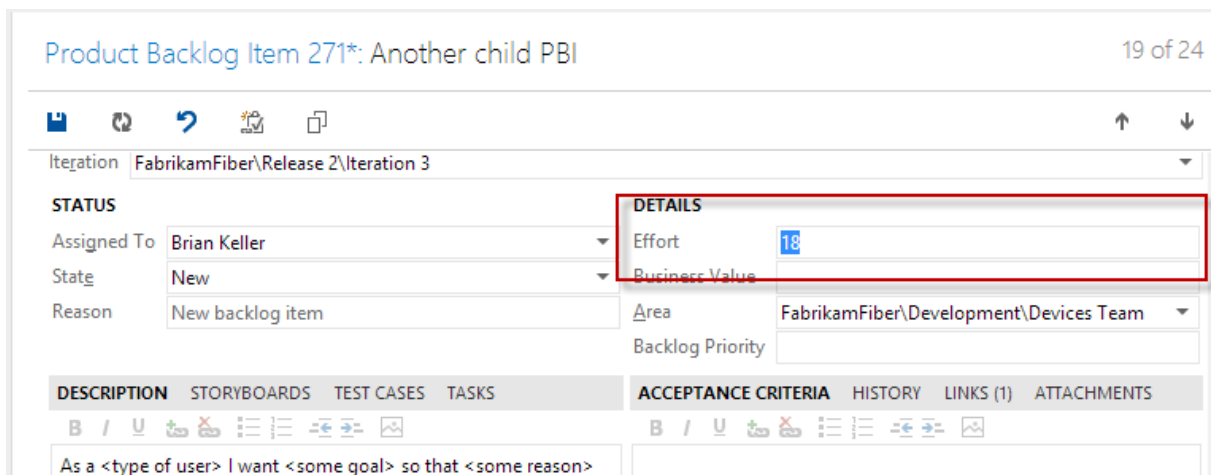
ID	Title	Backlog ...	Assigned To	Effort	State	Remainin... BI
223	Create UI for new feature.		Annie Herr...		Done	
224	Write code to get GPS location and resolve to address.		Brian Harry		Done	
225	Design implementation of feature.		Brian Keller		To Do	2
239	Web applications can get the latest television lineup schedule updates		Brian Keller	15	New	
240	Determine the load that the database can currently support (Changed)		Brian Harry		To Do	4
241	Design database schema that will allow middle-tier to query for schedule ...		Brian Harry		To Do	67
226	Technician can edit customer contact details on Windows Phone.		Brian Keller	20	Committed	
211	Technician can see service tickets on Windows Phone.		Brian Keller	22	Committed	
216	Technician can report busy/late on Windows Phone.		Brian Keller		Committed	
271	Another child PBI		Brian Keller		New	
269	A child PBI		Brian Keller		New	
217	Review feature with technician early adopters.		Julia Ilyiana		In Progress	20
218	Implement feature in app and wire up to back-end database.		Brian Harry		In Progress	10
219	Create UI for feature.		Annie Herr...		Done	
220	Design implementation of feature.		Brian Keller		In Progress	1

You are now ready to test the automation for the numeric aggregation.

Trigger the automation

The automation will be triggered by changing an affected work item.

1. Select one of your created Product Backlog Items, change the value of **Effort** to any value and save the work item



Product Backlog Item 271*: Another child PBI 19 of 24

Iteration: FabrikamFiber\Release 2\Iteration 3

STATUS

Assigned To: Brian Keller

State: New

Reason: New backlog item

DETAILS

Effort: 18

Business Value: [Empty]

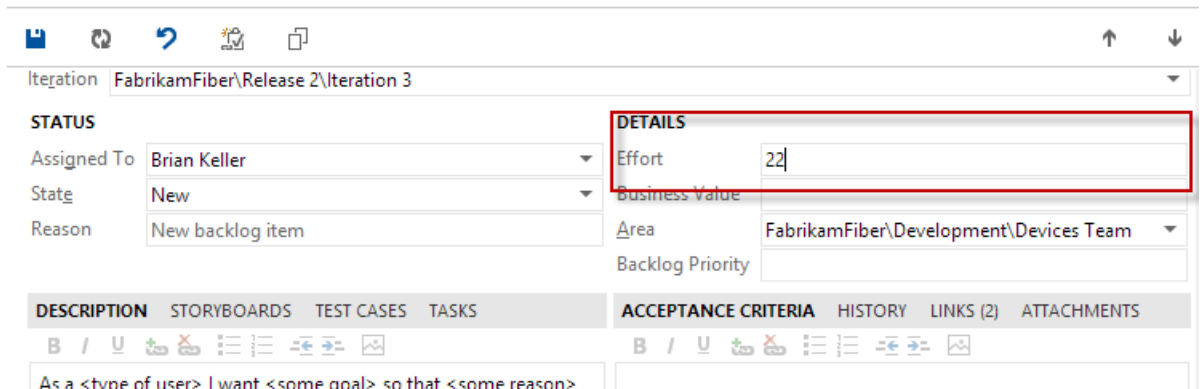
Area: FabrikamFiber\Development\Devices Team

Backlog Priority: [Empty]

DESCRIPTION STORYBOARDS TEST CASES TASKS ACCEPTANCE CRITERIA HISTORY LINKS (1) ATTACHMENTS

As a <type of user> I want <some goal> so that <some reason>











2. **Do the same** for the other Product Backlog Item that you have created and save it




3. When the work item is saved the automation is triggered in the background.
4. The connected work items are now updated automatically. **This takes a couple of seconds, the effect cannot be seen immediately.**
5. Refresh your Backlog. As you can see the Remaining Work of the parent work item has been refreshed and the values of the children have been aggregated to it.

Sprint Backlog 39 work items (8 top level, 31 linked and 1 selected)

Results Editor Charts Work item pane Bottom

Save query          Column options 

ID	Title	Backlog ...	Assigned To	Effort
224	Write code to get GPS location and resolve to address.		Brian Harry	
225	Design implementation of feature.		Brian Keller	
239	Web applications can get the latest television lineup schedule updates		Brian Keller	15
240	Determine the load that the database can currently support (Changed)		Brian Harry	
241	Design database schema that will allow middle-tier to query for schedule ...		Brian Harry	
226	Technician can edit customer contact details on Windows Phone.		Brian Keller	
211	Technician can see service tickets on Windows Phone.		Brian Keller	
216	Technician can report busy/late on Windows Phone.		Brian Keller	40
271	Another child PBI		Brian Keller	18
269	A child PBI		Brian Keller	22
217	Review feature with technician early adopters.		Brian Keller	
218	Implement feature in app and wire up to back-end database.		Brian Keller	

Aggregation of the effort from the children to the parent 

Trigger based functions example 2: Suspect-Links

The suspect-links feature of TFS ASAP will help you to discover all changed items through a hierarchy of work items. In this example we will configure the *suspect links* feature for the parent-child hierarchy of *Product Backlog Items* and *Tasks*.

Preparation

The preparation of this feature needs some effort, because you have to customize the process template.

- A proper text editor (e.g. Notepad ++) will make your life easier!
- You will have to use command-line tool “witadmin” provided by Microsoft to import and export the changes to your process templates. More information on that tool can be found under: <http://msdn.microsoft.com/en-us/library/dd312129.aspx>



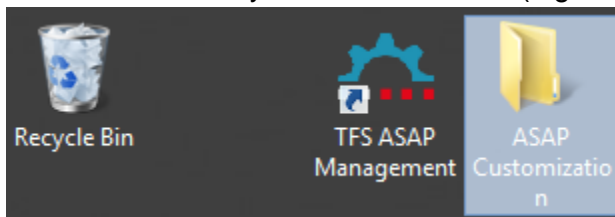
This is an advanced customization of TFS features and your process template.

Make backups of your process template, if you are working on a productive environment!

If you need help with the installation and integration of TFS ASAP at your TFS installation, feel free to contact us: www.tfsasap.com/contact.html

Adjusting the template

1. Create a folder on your virtual machine (e.g. “ASAP Customizations” on the desktop)




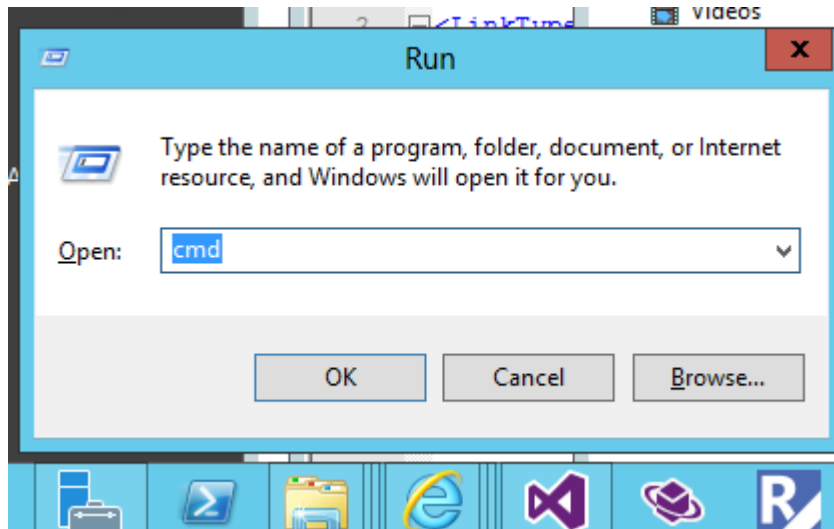
2. Navigate to that folder
3. Create a file *suspects.xml* in that folder which includes the link type definition:

```
<?xml version="1.0" encoding="utf-8"?>
<LinkTypes>
  <LinkType ReferenceName="Custom.Suspects" ForwardName="Suspects"
ReverseName="Suspected By" Topology="Dependency" />
</LinkTypes>
```

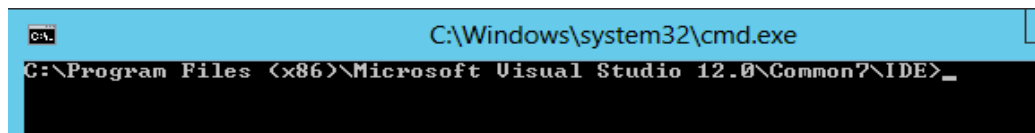


Make sure windows explorer is showing file name extensions, otherwise your created files might end up as **suspects.xml.txt.**

4. Now, you have to adjust the definition of your *Requirements* work item.
 - a. Open a (Command Prompt). The easiest way is to use the Run command (+R) and to type in “cmd”.



- b. Navigate to: "C:\Program Files (x86)\Microsoft Visual Studio 12.0\Common7\IDE\"



- c. Use the witadmin tool to import the suspects.xml file that you have been created by using the command:

```
witadmin importlinktype /collection:http://vsalm:8080/tfs/FabrikamFiberCollection /f:"C:\Users\Brian\Desktop\ASAP Customization\suspects.xml"
```

- d. Use the witadmin.exe tool to export the work item type of *Product Backlog Item* work item type by using the command:

```
witadmin exportwitd /collection:http://vsalm:8080/tfs/FabrikamFiberCollection /p:"FabrikamFiber" /n:"Product Backlog Item" /f:"C:\Users\Brian\Desktop\ASAP Customization\PBI.xml"
```

- e. Use the witadmin.exe tool to export the work item type of *Task* work item type by using the command:

```
witadmin exportwitd /collection:http://vsalm:8080/tfs/FabrikamFiberCollection /p:"FabrikamFiber" /n:Task /f:"C:\Users\Brian\Desktop\ASAP Customization\Task.xml"
```

- f. After that your folder should look like this:

Layout		Current view	
SAP Customization			
Name	Date modified	Type	Size
PBI.xml	7/11/2013 7:25 PM	XML File	15
suspects.xml	7/11/2013 8:23 AM	XML File	1
Task.xml	7/11/2013 7:20 PM	XML File	15

5. Now you are ready to adjust the work item definitions. Open the *Requirement.xml* file in a text editor and the following description directly after the first <FIELDS> tag.

```

<FIELD name="Auto Suspect" refname="Custom.AutoSuspect" type="String" >
  <HELPTEXT>Determines whether you want TFS to create links to affected items in case
of changes to relevant contents.</HELPTEXT>
  <ALLOWEDVALUES>
    <LISTITEM value="Yes" />
  </ALLOWEDVALUES>
</FIELD>
<FIELD name="Suspected" refname="Custom.Suspected" type="String" >
  <HELPTEXT>Determines whether the work item is still suspected. Set back to empty
after you have checked and adopted the changes.</HELPTEXT>
  <ALLOWEDVALUES>
    <LISTITEM value="Yes" />
  </ALLOWEDVALUES>
</FIELD>

```

6. Add the following changes the <group> section of the same file :

```

<Group>
  <Column PercentWidth="50">
    <Control Type="FieldControl" FieldName="Custom.AutoSuspect" Label="Auto Suspect:"
LabelPosition="Left" />
  </Column>
  <Column PercentWidth="50">
    <Control Type="FieldControl" FieldName="Custom.Suspected" Label="Suspected"
LabelPosition="Left" />
  </Column>
</Group>

```

7. Save the PBI.xml



Repeat steps 5, 6 and 7 for the file Task.xml

8. Upload your changed files for the *Product Backlog Item* to the TFS by using the witadmin tool again with the command:

```
witadmin importwitd /collection:http://vsalm:8080/tfs/FabrikamFiberCollection
/p:"FabrikamFiber" /f:"C:\Users\Brian\Desktop\ASAP Customization\PBI.xml"
```

9. Upload your changed files for the *Task* to the TFS by using the witadmin tool again with the command:

```
witadmin importwitd /collection:http://vsalm:8080/tfs/FabrikamFiberCollection
/p:"FabrikamFiber" /f:"C:\Users\Brian\Desktop\ASAP Customization\Task.xml"
```

10. Your TFS ASAP installation is now configured for the use of the suspect links function

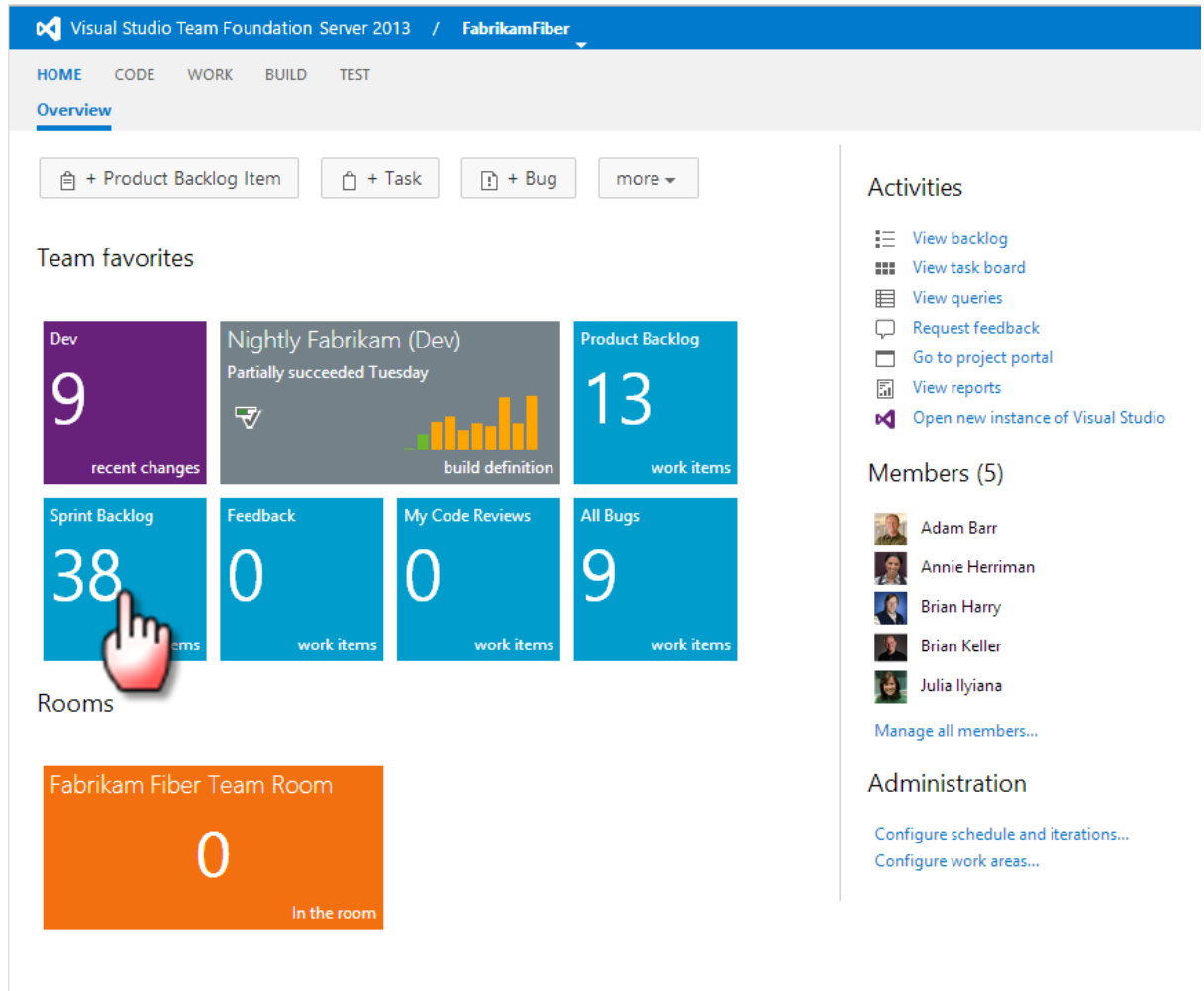
Trigger the automation

The suspect links function is integrated into TFS in the same manner as the numeric aggregation.

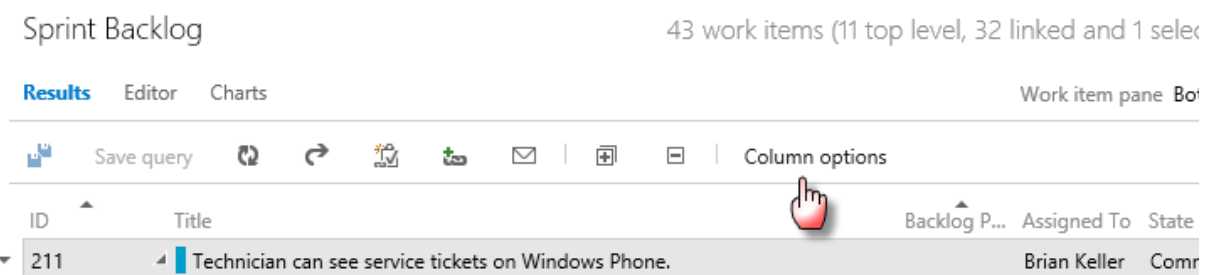
1. Navigate to the Fabrikam Fiber Team Project:

<http://vsalm:8080/tfs/FabrikamFiberCollection/FabrikamFiber>

2. Open your Sprint Backlog

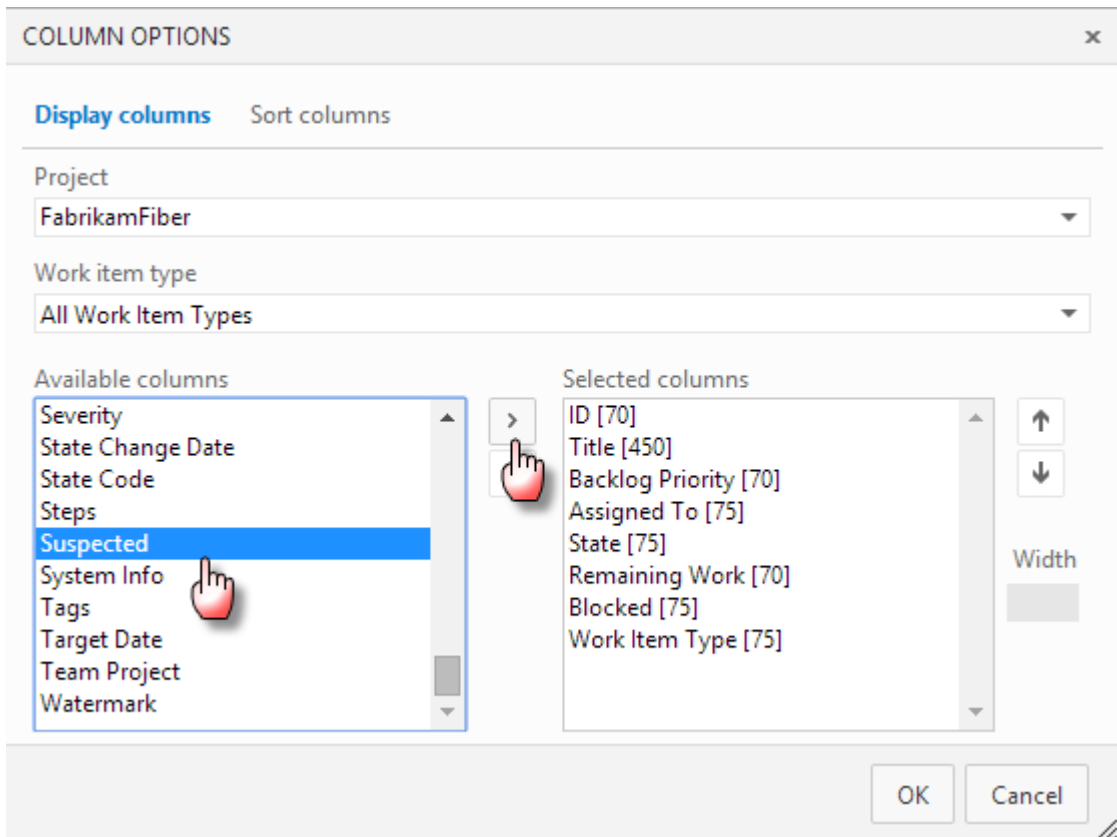


3. Click “Column Options”

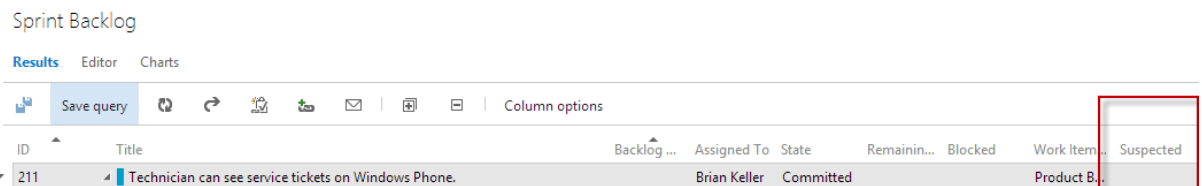


ID	Title	Backlog P...	Assigned To	State
211	Technician can see service tickets on Windows Phone.		Brian Keller	Comr

4. Select the *Suspected* column and add it to the view



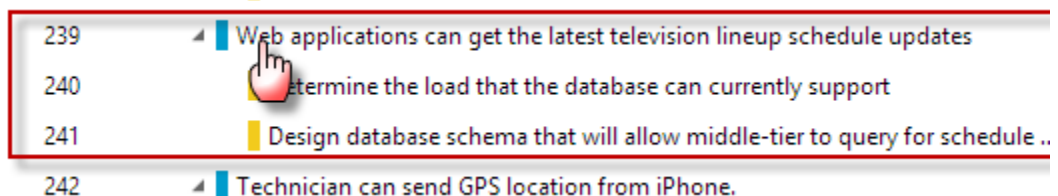
- The new column should now be visible at the end of the column list



- Pick any *Product Backlog Item* that has child work items of type *Tasks*.

ID	Title	Assigned To	State	Remaining Work	Blocked	Work Item Type
239	Web applications can get the latest television lineup schedule updates	Brian Keller	New			Product B...
240	Determine the load that the database can currently support	Brian Harry	To Do	4		Task
241	Design database schema that will allow middle-tier to query for schedule ...	Brian Harry	To Do	67		Task
242	Technician can send GPS location from iPhone.	Brian Keller	New			Product B...

- Activate the Auto-Suspect function for each item of this hierarchy:
 - Open the item



- Set Auto-Suspect to **yes** and save the work item

Product Backlog Item 239*: Web applications can get the latest television lineup schedule updates

[Save]
[Refresh]
[Undo]
[Redo]
[Copy]

2. Save it afterwards

Tags Add...

Web applications can get the latest television lineup schedule updates

Iteration FabrikamFiber\Release 2\Iteration 3

STATUS

Assigned To Brian Keller

State New

Reason New backlog item

DESCRIPTION STORYBOARDS TEST CASES TASKS (2)

B / U [Link] [Image] [List] [Table] [Code] [Print]

As a <type of user> I want <some goal> so that <some reason>

1. Activate the Auto-Suspect

Auto Suspect: Yes

- c. Close it
- d. Repeat **this for each item** of the hierarchy

If you do not see the “Auto Suspect” field, you may forgot something in the preparation part. Make sure you followed all steps correctly and uploaded your changed work item definitions.

8. Select the topmost item of your hierarchy and change the title of it

ID	Title	Assigned To	State	Effort	Type
239	Web applications can get the latest television lineup schedule updates (C...	Brian Keller	New		Product B...
240	Determine the load that the database can currently support 1. Select the work item	Brian Harry	To Do	4	Task
241	Design database schema that will allow middle-tier to query for schedule ...	Brian Harry	To Do	67	Task
242	Technician can send GPS location from iPhone.	Brian Keller	New		Product B...
243	Write code to get GPS location and resolve to address.	Julia Ilyiana	To Do	3	Task

Product Backlog Item 239*: Web applications can get the latest television lineup schedule updates (Changed)

[Save]
[Refresh]
[Undo]
[Redo]
[Copy]

3. Save it

Tags Add...

Web applications can get the latest television lineup schedule updates (Changed) 2. Change the title

Iteration FabrikamFiber\Release 2\Iteration 3

STATUS

Assigned To Brian Keller

State New

Reason New backlog item

DETAILS

Effort 15

Business Value

Area FabrikamFiber\Development\Database Team

Backlog Priority

DESCRIPTION STORYBOARDS TEST CASES TASKS (2)

B / U [Link] [Image] [List] [Table] [Code] [Print]

As a <type of user> I want <some goal> so that <some reason>

ACCEPTANCE CRITERIA HISTORY LINKS (3) ATTACHMENTS

9. Wait a couple of seconds and refresh your Sprint Backlog. You will now see that the children of the work item that you have changed are now showing the *Suspected* flag

Sprint Backlog

Results Editor Charts

Save query [Icons] Column options

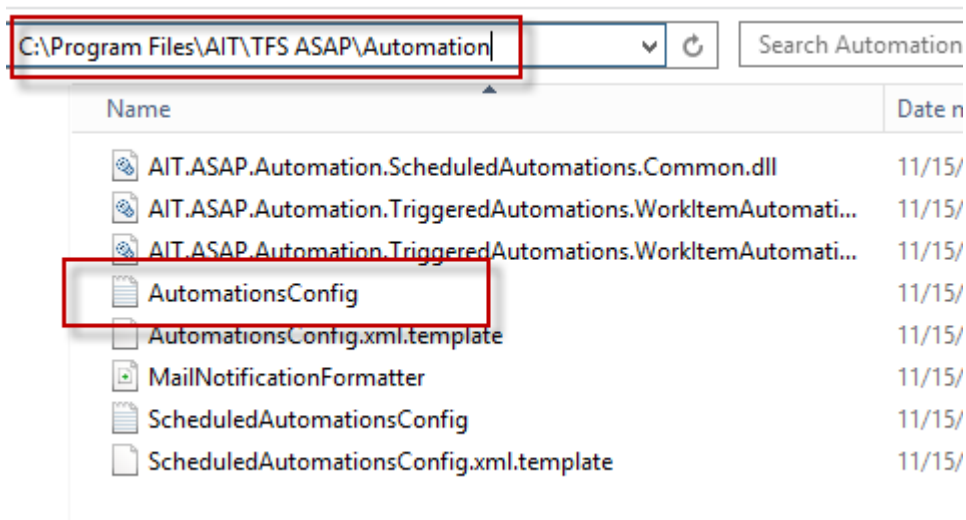
ID	Title	Backlog ...	Assigned To	State	Remainin...	Block...	Work...	Suspected
234	Customer can find the nearest Fabrikam Fiber location		Brian Keller	New				
235	Create database for branch office location lookup.		Brian Harry	To Do	17			
236	Design implementation of feature.		Brian Keller	To Do	1			
237	Review design of feature.		Julia Ilyiana	To Do	2			
238	Create UI for feature.		Annie Herr...	To Do	9		Task	
239	Web applications can get the latest television lineup schedule updates (Chan...		Brian Keller	New			Product B...	
240	Determine the load that the database can currently support		Brian Harry	To Do	4		Task	Yes
241	Design database schema that will allow middle-tier to query for schedule ...		Brian Harry	To Do	67		Task	Yes
242	Technician can send GPS location from iPhone.		Brian Keller	New			Product B...	
243	Write code to get GPS location and resolve to address.		Julia Ilyiana	To Do	3		Task	

Annotations: "Workitem that has been changed" points to ID 239. "Suspected fields for the children have been changed" points to the Suspected column for ID 240. A red arrow points to the Suspected column for ID 241.

Adjusting the Trigger based function of TFS ASAP

All automations provided by TFS ASAP are adjustable, so that they fit your needs and your **process template**. Customizing the automations is easy and will explained to you by changing the direction of the **Suspect Links** automation.

1. Navigate to the Automation folder of your TFS ASAP installation and open the *AutomationsConfig.xml*. You can change the settings for all automations in this file.




2. Navigate to the xml element with the DisplayName "Suspect Links".
3. Change <MonitoredLinks> from "Child" to "Parent". If you want, you can also adjust the name of the automation, by changing the "DisplayName".

```

</Automation>
<Automation ID="{CA515A36-95EB-485C-8A9F-659628874923}" DisplayName="Suspect Links Reverse" name="Suspect Links Reverse">
  <MonitoredFields>
    <Field>System.Title</Field>
    <Field>System.Description</Field>
  </MonitoredFields>
  <MonitoredLinks>
    <MonitoredLink>Parent</MonitoredLink>
  </MonitoredLinks>
  <SuspectLink ReferenceName="Custom.Suspects" ForwardName="Suspects" ReverseName="Suspected By" AutoSuspectFieldName="Custom.AutoSuspect" />
  <SuspectedFieldName>Custom.Suspected</SuspectedFieldName>
</Automation>

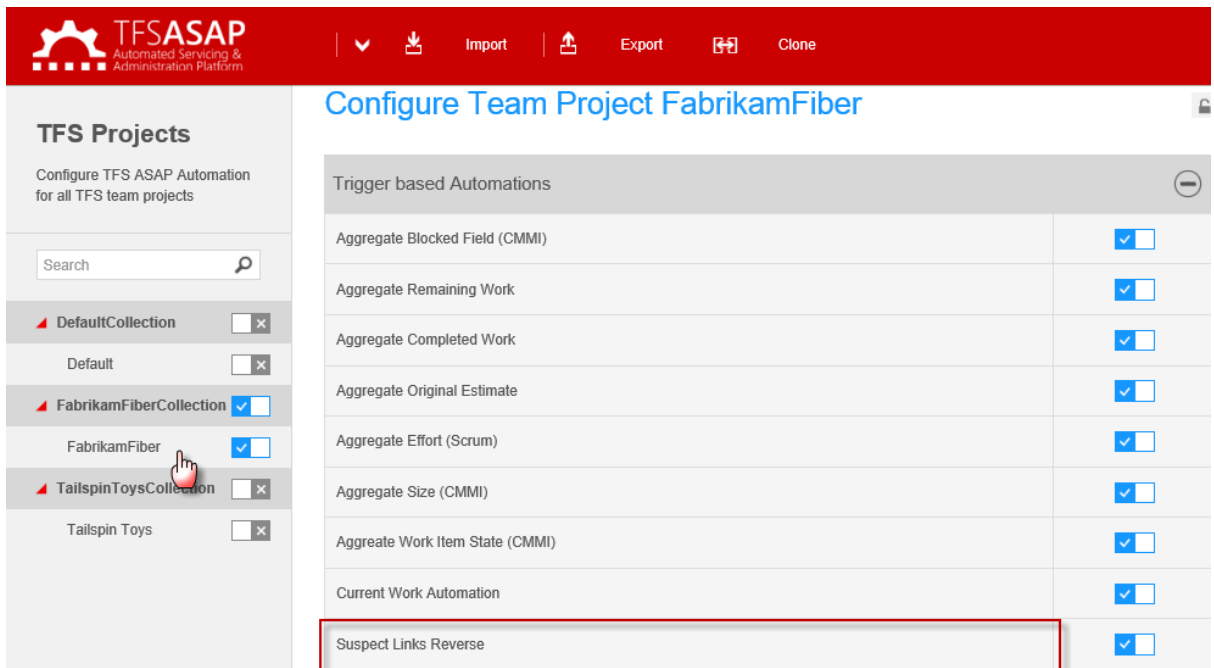
```

4. Save the file



Depending on your text editor you can get an “Access is denied” error when you try to save the edited file. In that case, use another text editor (e.g. Notepad ++) or copy the file to a different location, edit it and copy it back to the automations folder

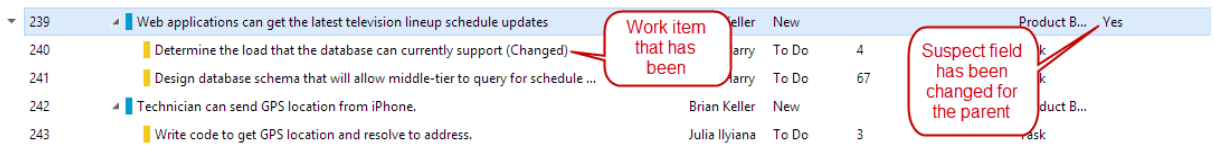
- Optional:** You can check if the automation has been changed by navigating to <http://vsalm:8080/asap>, selecting your Team Project looking at the name of the automation. If you have changed the DisplayName in the xml, the new name should be visible here



The screenshot shows the TFSASAP web interface. The left sidebar shows 'TFS Projects' with a search bar and a list of collections: DefaultCollection, FabrikamFiberCollection (selected), and TailspinToysCollection. The main area is titled 'Configure Team Project FabrikamFiber' and displays a table of 'Trigger based Automations'. The 'Suspect Links Reverse' automation is highlighted with a red box.

Automation Name	Enabled
Aggregate Blocked Field (CMMI)	<input checked="" type="checkbox"/>
Aggregate Remaining Work	<input checked="" type="checkbox"/>
Aggregate Completed Work	<input checked="" type="checkbox"/>
Aggregate Original Estimate	<input checked="" type="checkbox"/>
Aggregate Effort (Scrum)	<input checked="" type="checkbox"/>
Aggregate Size (CMMI)	<input checked="" type="checkbox"/>
Aggregate Work Item State (CMMI)	<input checked="" type="checkbox"/>
Current Work Automation	<input checked="" type="checkbox"/>
Suspect Links Reverse	<input checked="" type="checkbox"/>

- Navigate back to your Sprint Backlog
- Change a *Task* that is a child of a *Product Backlog Item*. The “Suspected” flag will now be populated to the parent work item.



ID	Description	Author	Status	Priority	Parent Item
239	Web applications can get the latest television lineup schedule updates	Brian Keller	New	4	Product Backlog Item
240	Determine the load that the database can currently support (Changed)	Brian Keller	To Do	4	Product Backlog Item
241	Design database schema that will allow middle-tier to query for schedule ...	Brian Keller	To Do	67	Product Backlog Item
242	Technician can send GPS location from iPhone.	Brian Keller	New	4	Product Backlog Item
243	Write code to get GPS location and resolve to address.	Julia Ilyiana	To Do	3	Product Backlog Item

As you can see, the suspected field is now populated in the other direction.

Final Remarks

Thank you for your interest in our product. If you need support for the customization of automations or the installation and configuration of TFS ASAP, feel free to contact us.

If you miss any functionalities, rules or automations, feel free to send your idea to AIT – we will provide you with an individual offer to realize your idea in a future version of TFS ASAP.

www.tfsasap.com/contact.html

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