

## **PROFINET - ESSU**

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### **Product:**

**Burndown Chart  
Reporter**

## **User Manual**

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## 1 General

### 1.1 Brief Description

Burndown Chart Reporter is a program that collects remaining work hour data of the entered users and creates a chart. Later team remaining work hour chart is created. These two charts are mailed to the each entered users mail.

User that is running the program must have access to TFS servers.

## 2 Structure of Application

### 2.1 MainWindow.Designer.cs

Is created by Windows Form. Has the components of Mainwindow.

### 2.2 Mainwindow.cs

Is the class where action of Mainwindow happen every click or change handled in this class. Autoconnection is done in this class but connection request is sent in BurndownChartReporter.cs class. Directories are created here but called BurndownChartReporter class to create charts and Reporter class mail them for every user that is added.

### 2.3 BurndownChartReporter.cs

Is the class where program connects to TFS and gets data. Takes paths from paths.txt file and creates a query using them. Then calls Reporter class to store the data to the RemainingWorkTimes.txt file. Later calls Reporter class to create chart and store it in given directory.

### 2.4 Reporter.cs

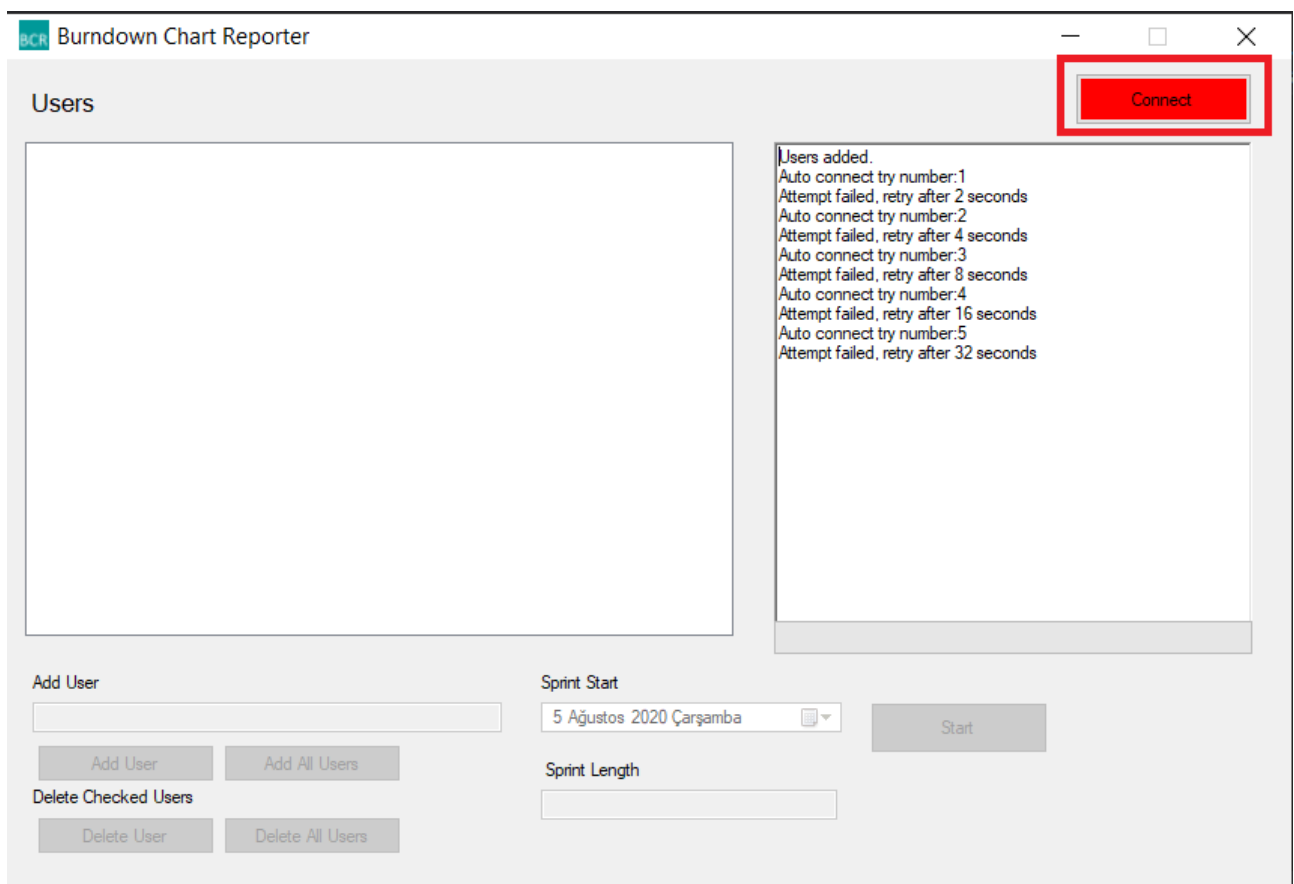
Is the class where everything is created. When a spring starts new RemainingWorkTimes.txt created. When the program is running first time in that day a directory named that days' date is created. Every user chart created is stored there. Teams' Burndown chart is created here. Sending mail process is done here. Mail of the given user is taken and send a mail attached with their Burndown chart and teams' Burndown chart. Also, the data that is generated in BurndownChartReporter class is stored in RemainingWorkTimes.txt.

## 3 User's Manual

### 3.1 Use Cases

#### 3.1.1 Connect to TFS

When program opens it automatically tries to connect but if there is a problem user can try connecting to TFS server by clicking on the connect button. There is a spam protection to prevent getting ban from the server. Because of that user can't try connecting to server a lot of time in a short period. Button will turn bright red when user can click it. When connected button will change its color to green and write connected on button and on feedback box.



## 3.1.2 Add User

To add user the person who is using the program needs to add person to Users.txt in name;mail form. After that user clicks on the text input bar that is under the Add User text. Users Enter the name. User clicks at the Add User button. Username is added to checked list. User can also select a name from suggestion part.

BCR Burndown Chart Reporter

Users

Connected

Users added.  
Auto connect try number:1  
Connected to TFS servers.

1

Add User

Add User

Add All Users

2

Delete Checked Users

Delete User

Delete All Users

Sprint Start

5 Ağustos 2020 Çarşamba

Start

Sprint Length

## 3.1.3 Add All Users

User clicks on the Add All Users button. All users in the collection is added to checked list.

The screenshot shows the 'Burndown Chart Reporter' application window. The title bar includes the BCR logo and standard window controls. The main area is titled 'Users' and contains a large list box on the left with a single entry 'user' that has a checkbox. To the right of this list is a message box stating: 'Users added. Auto connect try number:1 Connected to TFS servers.' In the bottom-left corner, there are controls for adding and deleting users. The 'Add User' button is highlighted with a blue border, and the 'Add All Users' button is highlighted with a red border. Below these are 'Delete Checked Users' controls with 'Delete User' and 'Delete All Users' buttons. To the right of these controls are fields for 'Sprint Start' (showing '5 Ağustos 2020 Çarşamba') and 'Sprint Length', along with a 'Start' button.

BCR Burndown Chart Reporter

Users

Connected

☐ user

Users added.  
Auto connect try number:1  
Connected to TFS servers.

Add User

Sprint Start

5 Ağustos 2020 Çarşamba

Start

Sprint Length

Delete Checked Users

Delete User

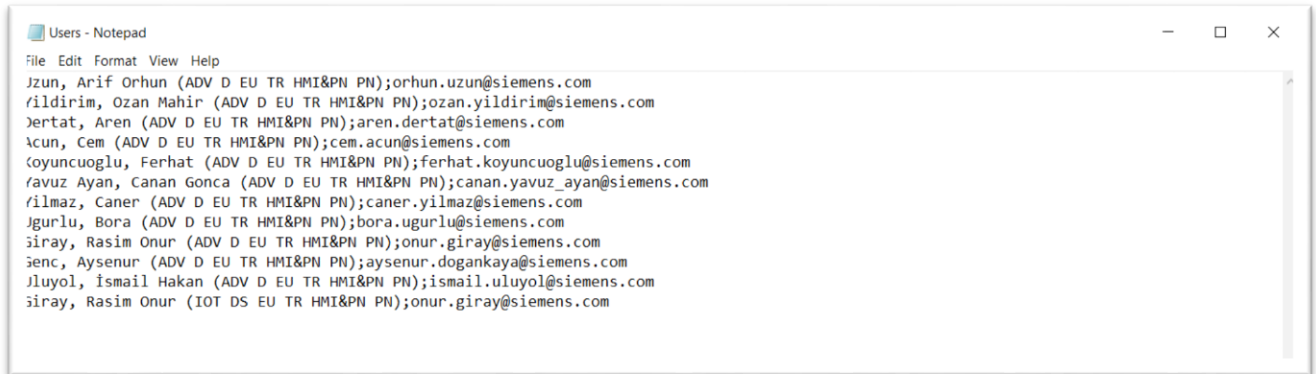
Delete All Users

Add User

Add All Users

## 3.1.4 Add User to Collection

User opens BCR repository. Go to bin\Debug\Charts and open Users.txt. Add/edit user as name;email and save the file. User is automatically added to collection.

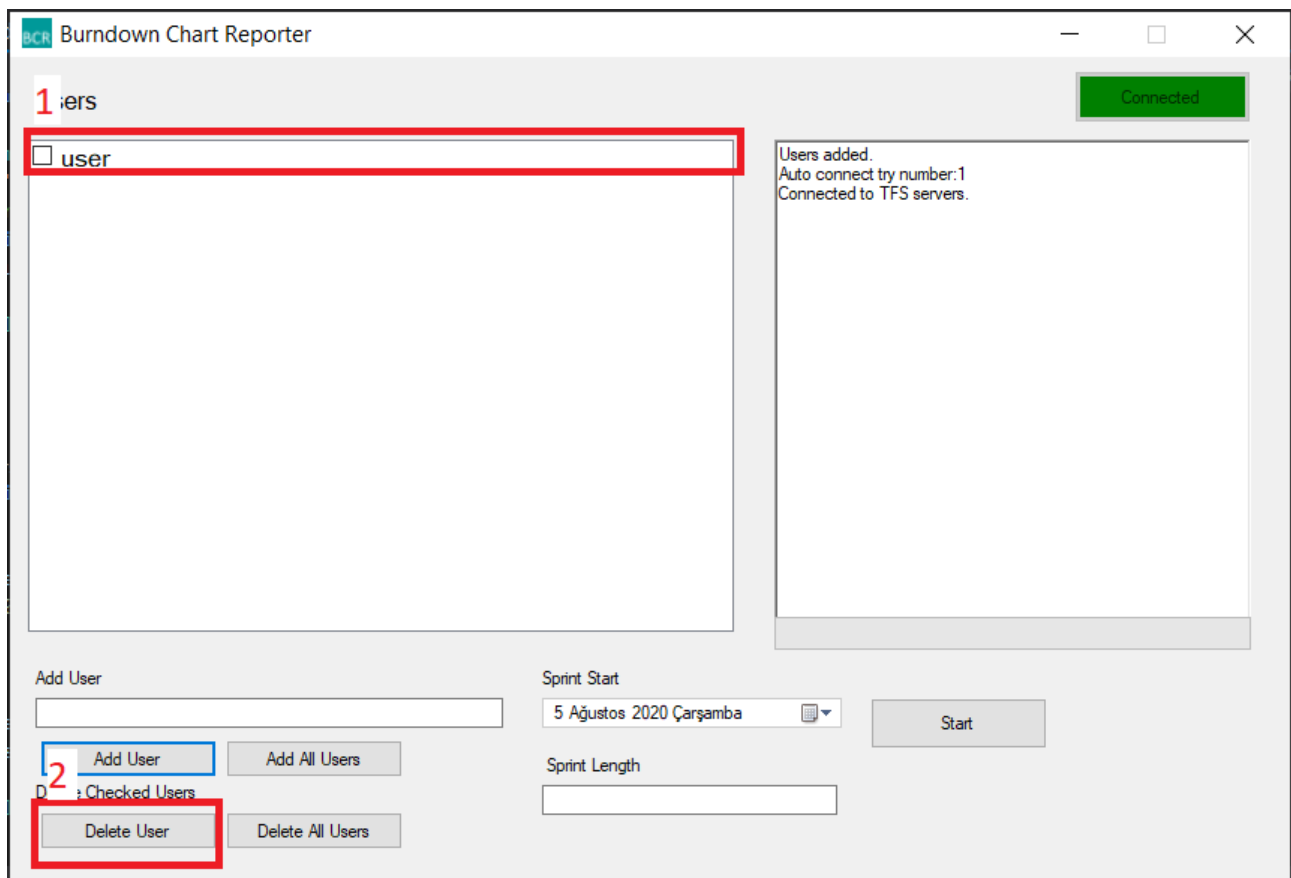


```
File Edit Format View Help
Jzun, Arif Orhun (ADV D EU TR HMI&PN PN);orhun.uzun@siemens.com
Yildirim, Ozan Mahir (ADV D EU TR HMI&PN PN);ozan.yildirim@siemens.com
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Koyuncuoglu, Ferhat (ADV D EU TR HMI&PN PN);ferhat.koyuncuoglu@siemens.com
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Giray, Rasim Onur (IOT DS EU TR HMI&PN PN);onur.giray@siemens.com
```



## 3.1.5 Remove User

User double clicks or clicks on the box that is on the left of the name. User click on Delete User button. User is deleted from checked list.



## 3.1.6 Remove All Users

User clicks on Delete All User button. All users that is in checked list is deleted.

The screenshot displays the 'Burndown Chart Reporter' (BCR) application window. The title bar includes the BCR logo and the text 'Burndown Chart Reporter'. The main interface is divided into several sections:

- Users:** A section on the left with a list of users. One user, 'user', is listed with an unchecked checkbox next to it.
- Connected:** A green button in the top right corner indicating the application is connected.
- Users added:** A text box on the right containing the message: 'Users added. Auto connect try number:1 Connected to TFS servers.'
- Add User:** A section with a text input field and two buttons: 'Add User' and 'Add All Users'.
- Sprint Start:** A section with a date dropdown menu showing '5 Ağustos 2020 Çarşamba' and a 'Start' button.
- Sprint Length:** A section with a text input field.
- Delete Checked Users:** A section with two buttons: 'Delete User' and 'Delete All Users'. The 'Delete All Users' button is highlighted with a red rectangular box.

## 3.1.7 Add Path

User opens BCR repository. Go to bin\Debug\Charts and open Paths.txt. Add path to the next line and save the file. Path is automatically added.



## 3.1.8 Select Date

In order to choose the first date of the increment, user needs to click on calendar grid shown in the figure. After clicking, a calendar will pop up and user can click on the intended date. After selection, the pop up will be closed and selected date will be shown under 'Sprint Start' section.

The screenshot shows the 'Burndown Chart Reporter' application window. The title bar includes the BCR logo and the text 'Burndown Chart Reporter'. The interface is divided into several sections:

- Users Section:** Located at the top left, it contains a list of users. One user, 'user', is listed with an unchecked checkbox next to it.
- Connected Status:** A green button labeled 'Connected' is located in the top right corner.
- Message Panel:** A text area on the right side of the Users section displays the message: 'Users added. Auto connect try number:1 Connected to TFS servers.'
- Add User Section:** Located at the bottom left, it includes a text input field for adding a new user, an 'Add User' button, and an 'Add All Users' button.
- Delete Checked Users Section:** Below the Add User section, it includes a 'Delete User' button and a 'Delete All Users' button.
- Sprint Start Section:** Located in the bottom center, it features a date input field showing '5 Ağustos 2020 Çarşamba'. A calendar icon button, highlighted with a red square, is positioned to the right of the date field. To the right of the date field is a 'Start' button.
- Sprint Length Section:** Located at the bottom right, it includes a text input field for specifying the sprint length.

BCR

Burndown Chart Reporter

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□

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Users

Connected

☐ user

Users added.

Auto connect try number:1

Connected to TFS servers.

Add User

Add User

Add All Users

Delete Checked Users

Delete User

Delete All Users

Sprint Start

5 Ağustos 2020 Çarşamba

Start

←

Ağustos 2020

→

Pzt	Sal	Çar	Per	Cum	Cmt	Paz
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Today: 5.08.2020

Burndown Chart Reporter

Users

☐ user

Users added.  
Auto connect try number:1  
Connected to TFS servers.

Add User

Add User

Add All Users

Delete Checked Users

Delete User

Delete All Users

Sprint Start

5 Ağustos 2020 Çarşamba

Start

Sprint Length

## 3.1.9 Create Chart

User enters users. User selects a start date for the sprint. User enters sprint length to the text input box that is under the Sprint Length text. User clicks start button. Burndown chart is created for the users in checked list and team. These charts are mail to them.

The screenshot shows the 'Burndown Chart Reporter' application window. The title bar includes the BCR logo and the text 'Burndown Chart Reporter'. The window is divided into several sections:

- Users:** A section on the left with a checkbox and the text 'user'.
- Connected:** A green button in the top right corner.
- Users added:** A text box on the right containing the message: 'Users added. Auto connect try number:1 Connected to TFS servers.'
- Add User:** A section at the bottom left with a text input field and two buttons: 'Add User' and 'Add All Users'.
- Delete Checked Users:** A section at the bottom left with two buttons: 'Delete User' and 'Delete All Users'.
- Sprint Start:** A section at the bottom center with a date picker showing '5 Ağustos 2020 Çarşamba'.
- Sprint Length:** A section at the bottom center with a text input field.
- Start:** A button at the bottom right, highlighted with a red rectangle.

## 4 Appendix

### 4.1 Change Log

Version	Date	Author	Comment
V0.90	07/08/20	Ertan, Metehan	First Draft, Actual Version

### 4.2 Authors

Name	Department	SCD	User Story responsibility
Ertan, Metehan	IOT - Intern		

### 4.3 Associated Documents

### 4.4 Abbreviations

BCR	BurndownChartReporter
TFS	Team Foundation Server