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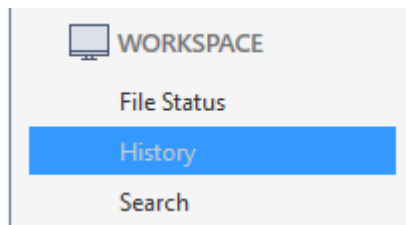
1 需求

- 能否将版本控制中变更的信息导出成方便他人查看的文件

2 操作方式

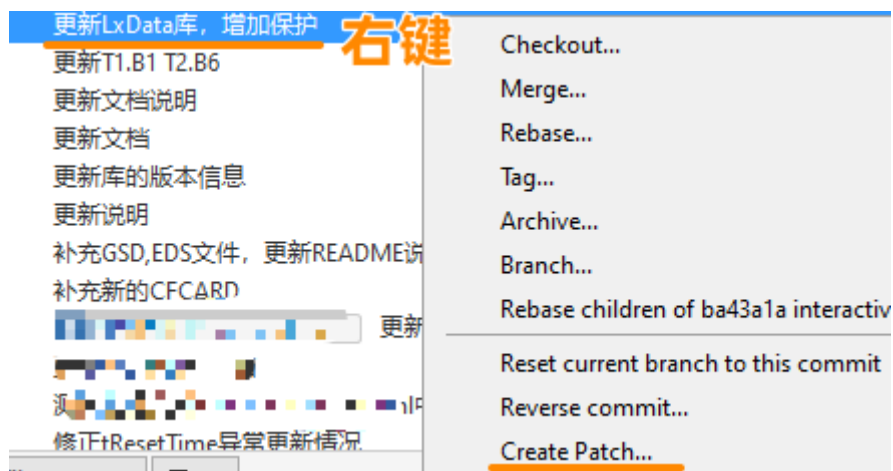
2.1 Sourcetree 中在 History 下选择对应的条目

-



2.2 右键，选择 Create Patch

-



2.3 弹出框中选择对比内容，导出 diff 文件

Working Copy Changes Log / History 1

All Branches Show Remote Branches Date Order Jump to:

Graph	Description	Date	Author	Commit
	调整格式	29 3月 2023 14:12		c6212d3
	Merge branch 'master' of ssh://bitbucket.br-automation.com:7999/fiww/leapx	29 3月 2023 10:43		c548c94
	更新LxData库，增加保护 2 选择对应创建的变更条目	28 3月 2023 18:39		ba43a1a
	更新T1.B1 T2.B6	27 3月 2023 19:02		30da42a
	更新文档说明	24 3月 2023 15:12		e0d2d32
	更新文档	24 3月 2023 14:28		c19d4ae
	更新库的版本信息	24 3月 2023 1:10		1d39f9b
	更新说明	24 3月 2023 1:01		06445e0
	补充GSD,EDS文件，更新README说明	24 3月 2023 0:37		e1c61de
	补充新的CFCARD	24 3月 2023 0:23		0836389
	SEWIND Delivery Merge 更新来自SEWIND 2023.03.22版本代码 合并并状态码当前修正	24 3月 2023 0:21		35f7a07

Sorted by file status

Commit: ba43a1a968b5de8392f10af34498b12a90da9244 [ba43a1a]
Parents: e0d2d3264e
Author: Zhiyi Yuan <zhiyi.yuan@br-automation.com>
Date: 2023年3月28日 18:39:49
Committer: Zhiyi Yuan 3 确认文件变化内容

Logical/Platform/FileSystem/LxData/FB_GetPvValue.st

Hunk 1: Lines 23-30

23 23 (new) DT TIME DWORD
24 24 2021.09.28 V1.00.5
25 25 (new) L uDestStrLen
26 2023.03.28 V1.00.6
27 (fix)
26 28
27 29
28 30
27 29
28 30
31 33
Hunk 2: Lines 33-46

Patch file: C:\Users\ \Desktop\patch_file.diff 4 确认文件导出的位置
文件以diff为后缀

Create a separate patch file per commit

Create Patch Cancel 5

3 将输出文件导出 pdf 文件

3.1 diff 文件可用 Notepad 等记事本软件打开查看变更

patch_file.diff - Notepad

File Edit Format View Help

Content-Type: text/plain; charset=UTF-8

Content-Transfer-Encoding: 8bit

变更文件名称与数量

```
---  
... LxData/FB_GetPvValue.st | 10 +++++++  
... LxData/FB_SetPvValue.st | 20 +++++++  
... /LxData/IEC.lby | 2 +-  
... /LxData/LxData.fun | 2 +-  
4 files changed, 29 insertions(+), 5 deletions(-)
```

diff --git a/Logical/Platform/FileSystem/LxData/FB_GetPvValue.st b/Logical/Platform/FileSystem/LxData/FB_GetPvValue.st
index be95d0f..6cdaab9 100644

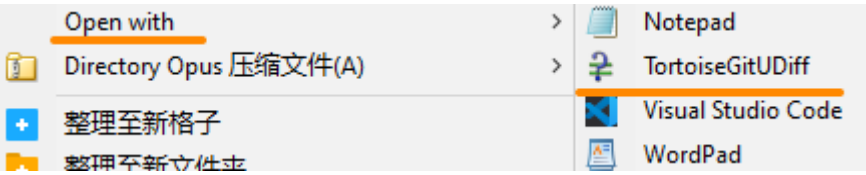
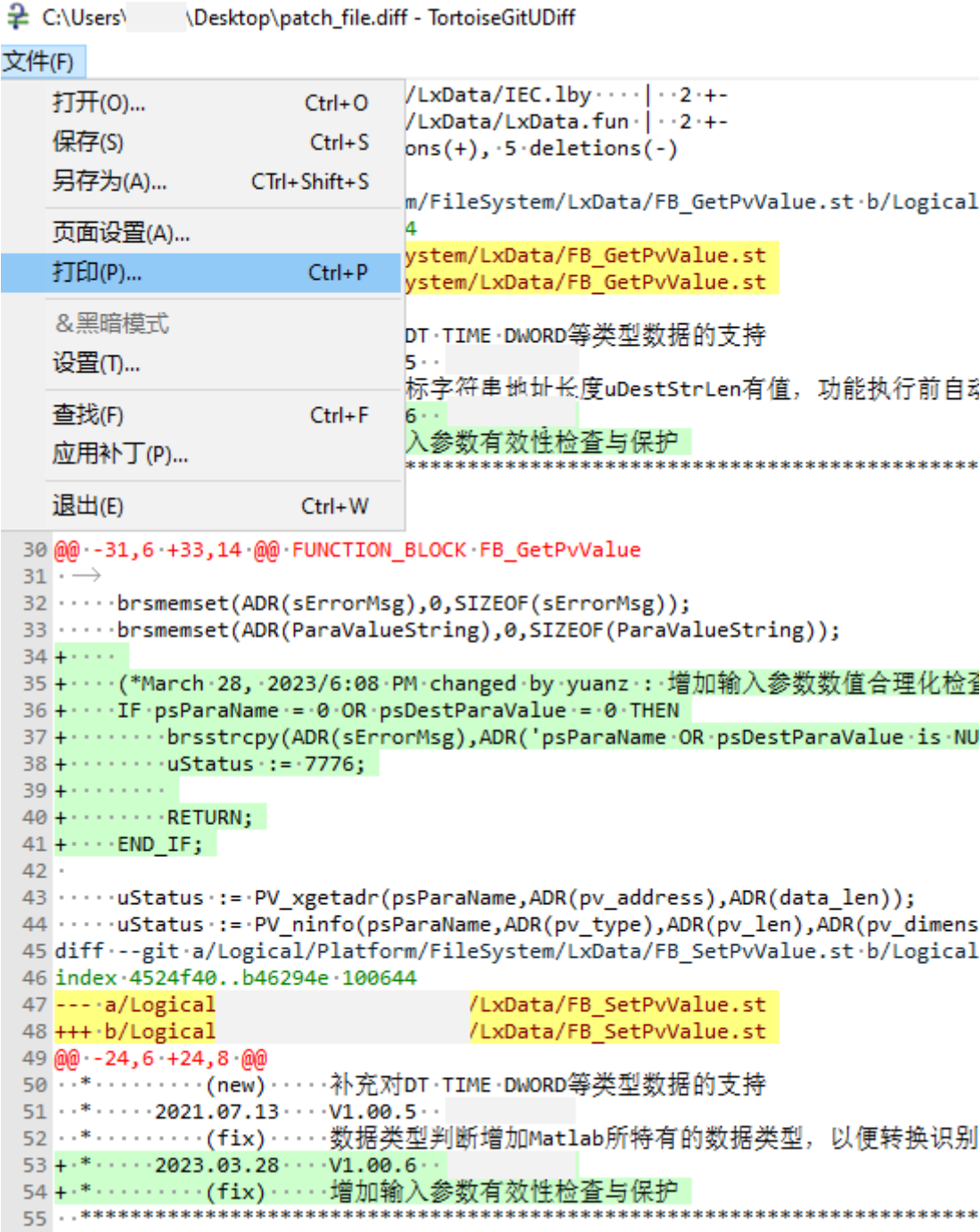
变更文件

```
--- a/Logical/Platform/FileSystem/LxData/FB_GetPvValue.st  
+++ b/Logical/Platform/FileSystem/LxData/FB_GetPvValue.st  
@@ -23,6 +23,8 @@  
* (new) 补充对DT TIME DWORD等类型数据的支持  
* 2021.09.28 V1.00.5  
* (new) 若此目标字符串地址长度uDestStrLen有值，功能执行前自动进行mem  
+ * 2023.03.28 V1.00.6  
+ * (fix) 增加输入参数有效性检查与保护 新增行数内容  
*****  
*)  
@@ -31,6 +33,14 @@ FUNCTION_BLOCK FB_GetPvValue  
  
brsmemset(ADR(sErrorMsg),0,SIZEOF(sErrorMsg));  
brsmemset(ADR(ParaValueString),0,SIZEOF(ParaValueString));
```

3.2 下载 TortoiseGit 软件，带有颜色导出 pdf

- 下载 tortoiseGit 软件并安装
- [TortoiseGit - Windows Shell Interface to Git](#)

3.3 使用 TortoiseGitUDiff 查看文件变更内容

- The screenshot shows the context menu of TortoiseGitUDiff. The 'Open with' option is highlighted, showing a list of applications: Notepad, TortoiseGitUDiff (selected), Visual Studio Code, and WordPad. Below this, there are options for 'Directory Opus 压缩文件(A)', '整理至新格子', and '整理至新工作区'.
- The screenshot shows the TortoiseGitUDiff interface. The top bar displays the file path: C:\Users\...\Desktop\patch_file.diff - TortoiseGitUDiff. Below the top bar is a menu bar with options: 文件(F), 打开(O)... (Ctrl+O), 保存(S) (Ctrl+S), 另存为(A)... (Ctrl+Shift+S), 页面设置(A)..., 打印(P)... (Ctrl+P), &黑暗模式, 设置(T)..., 查找(F) (Ctrl+F), 应用补丁(P)..., and 退出(E) (Ctrl+W). The main area displays a diff view of a file. The diff shows changes to the file 'LogicalPlatform/FileSystem/LxData/FB_GetPvValue.st'. The changes include adding a new function block 'FUNCTION_BLOCK_FB_GetPvValue' and modifying the 'FB_SetPvValue' function. The diff is color-coded: green for additions, red for deletions, and yellow for changes. The diff shows that the 'FB_SetPvValue' function is being replaced by a new version that includes a check for the 'psParaName' parameter. The diff also shows that the 'FB_GetPvValue' function is being added. The diff is displayed in a monospaced font with syntax highlighting.

3.4 可生成彩色的 PDF 文件

• 1212.pdf

```
1 From ba43a1a968b5de8392f10af34498b12a90da9244 Mon Sep 17 00:00:00 2001
2 From: <@br-automation.com>
3 Date: Tue, 28 Mar 2023 18:39:49 +0800
4 Subject: [PATCH] =?UTF-8?q?=E6=9B=B4=E6=96=B0LxData=E5=BA=93=EF=BC=8C?=
5 =?UTF-8?q?=E5=A2=9E=E5=8A=A0=E4=BF=9D=E6=8A=A4?=?
6 MIME-Version: 1.0
7 Content-Type: text/plain; charset=UTF-8
8 Content-Transfer-Encoding: 8bit
9
10 ---
11 .../FileSystem/LxData/FB_GetPvValue.st | 10 ++++++++
12 .../FileSystem/LxData/FB_SetPvValue.st | 20 ++++++++-----
13 Logical/Platform/FileSystem/LxData/IEC.lby | 2 +-
14 Logical/Platform/FileSystem/LxData/LxData.fun | 2 +-
15 4 files changed, 29 insertions(+), 5 deletions(-)
16
17 diff --git a/Logical/Platform/FileSystem/LxData/FB_GetPvValue.st
18 b/Logical/Platform/FileSystem/LxData/FB_GetPvValue.st
19 index be95d0f..6cdaab9 100644
20 --- a/Logical/Platform/FileSystem/LxData/FB_GetPvValue.st
21 +++ b/Logical/Platform/FileSystem/LxData/FB_GetPvValue.st
22 @@ -23,6 +23,8 @@
23 * (new) 补充对DT TIME DWORD等类型数据的支持
24 * 2021.09.28 V1.00.5
25 * (new)
26 若此目标字符串地址长度uDestStrLen有值，功能执行前自动进行memset操作避免上一
27 次数据影响。
28 + * 2023.03.28 V1.00.6
29 + * (fix) 增加输入参数有效性检查与保护
30
31 *****
```