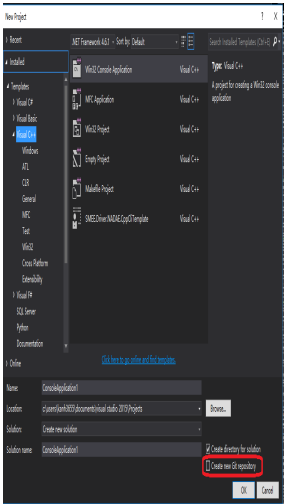
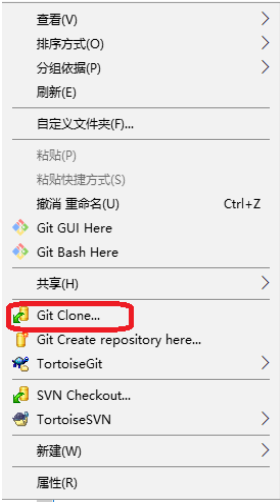
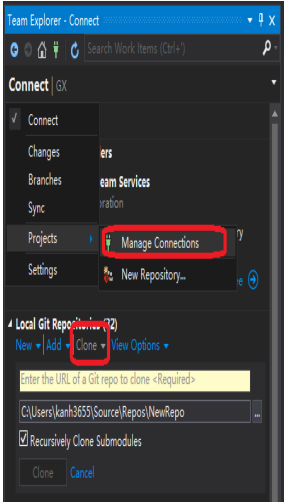

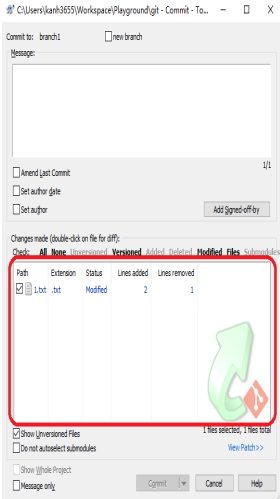
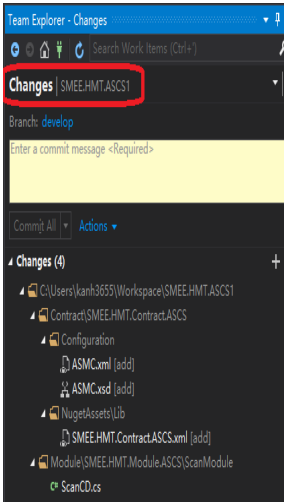
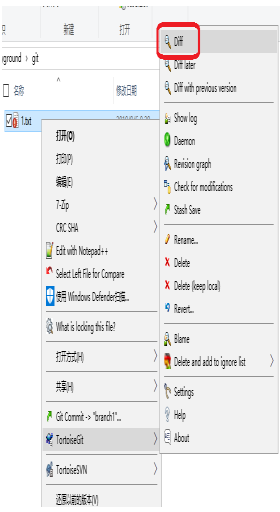

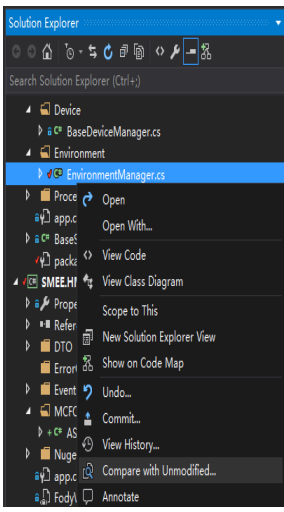


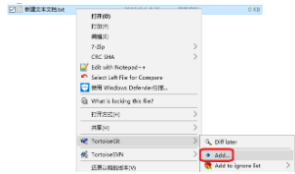
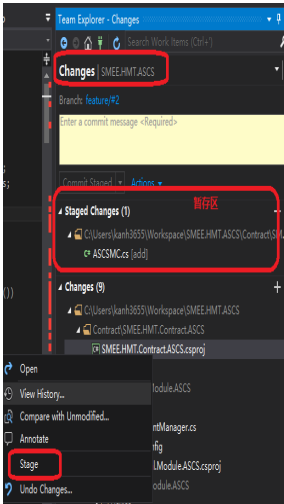


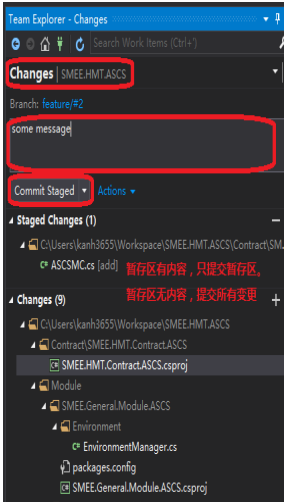

Git常用操作合集

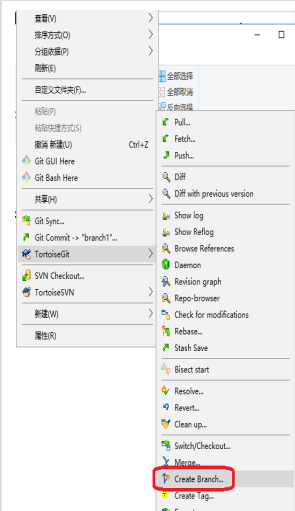
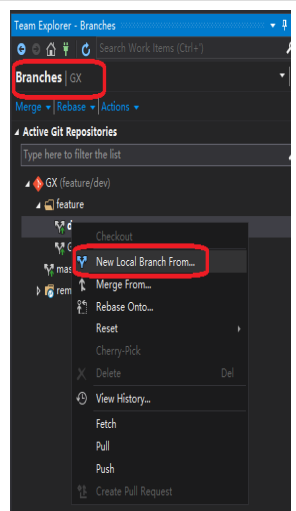
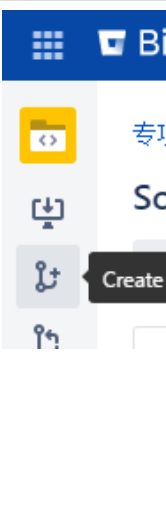

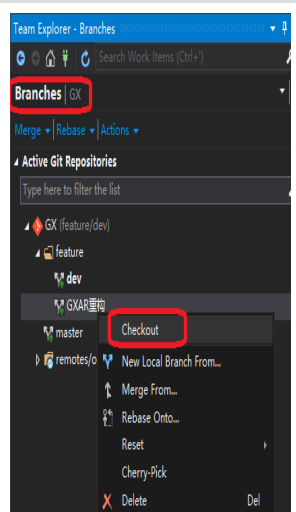
本文档描述了Git常用操作的具体思想。读者若未接触过Git的话，应首先阅读：[Git版本管理系统介绍](#)

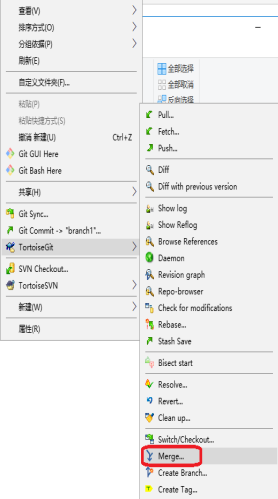
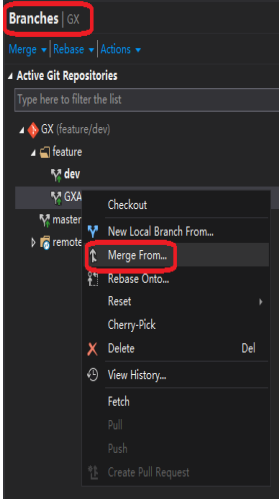
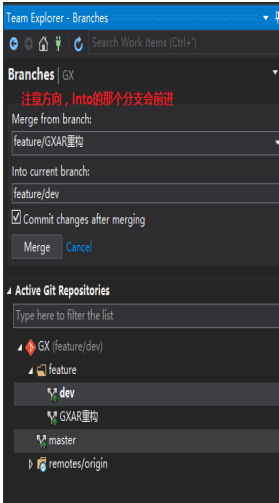
有多种工具可以对Git仓库进行操作，包括Git.exe命令行，TortoiseGit，Visual Studio，BitBucket等。这些工具之间对一些名词的定义或翻译略有区别，极有可能导致误操作造成损失。因此当你觉得有疑惑时，请务必先搞清楚当前操作的后果再继续。

操作	命令行	TortoiseGit	Visual Studio	BitBucket
创建新的版本库	<code>git init [proj-name]</code>			标题栏-Favorites Create Repository
克隆项目	<code>git clone [url]</code>			

查看当前未提交文件的状态	git status	<div></div> <div></div>	<div></div>	N/A
查看未提交文件修改内容	git diff	<div></div> <div></div>	<div></div>	N/A

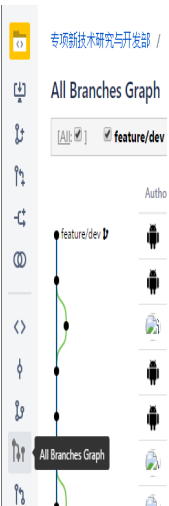
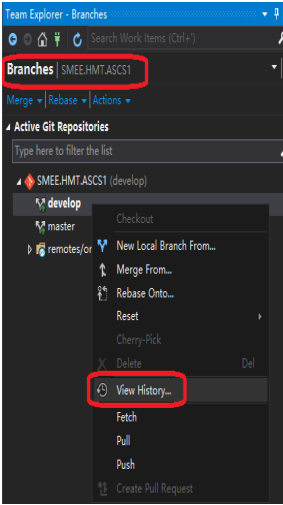
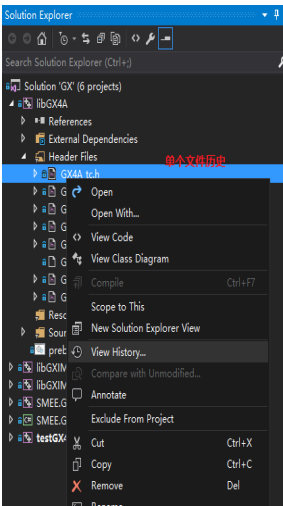
将文件添加到暂存区	<code>git add [file]</code>			N/A
创建提交	<code>git commit -m "some message"</code>	<div> </div>	 	

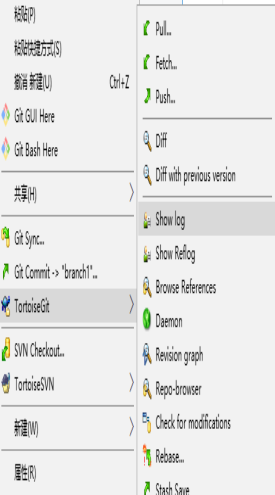
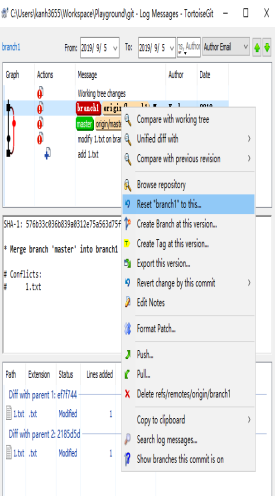
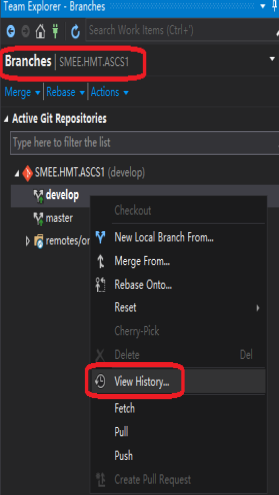
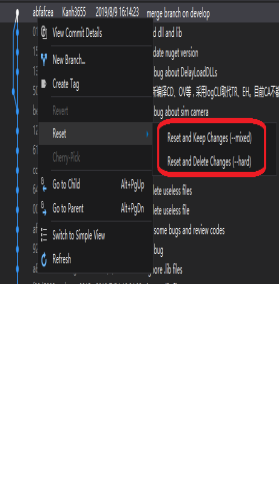
创建分支	<code>git branch [branchname]</code>	 <p>A screenshot of the TortoiseGit context menu. The 'Create Branch...' option at the bottom is highlighted with a red rectangle.</p>	 <p>A screenshot of the VS Code Team Explorer interface. The 'New Local Branch From...' option in the context menu is highlighted with a red rectangle.</p>	 <p>A screenshot of a software interface with a 'Create' button highlighted. The button is located on the right side of the interface.</p>
切换分支/提交	<code>git checkout [branch/tag name or commit hash]</code>	 <p>A screenshot of the TortoiseGit context menu. The 'Switch/Checkout...' option is highlighted with a red rectangle.</p>	 <p>A screenshot of the VS Code Team Explorer interface. The 'Checkout' option in the context menu is highlighted with a red rectangle.</p>	N/A


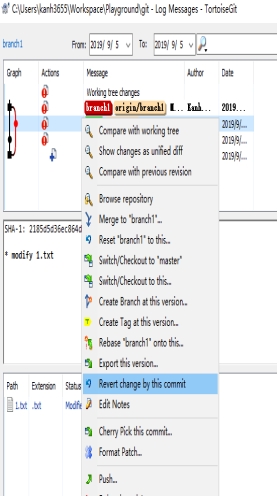
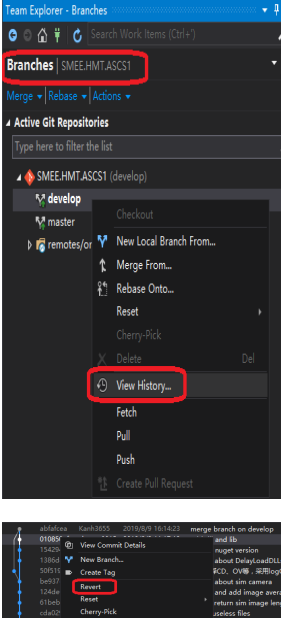
<p>合并分支</p>	<p>git merge [branch]</p>	 <p>A screenshot of the TortoiseGit context menu. The 'Merge...' option at the bottom is highlighted with a red rectangle. Other visible options include Pull, Fetch, Push, Diff, and various SVN and Git actions.</p>	 <p>A screenshot of the Visual Studio Code 'Branches' view for repository 'GX'. The 'Merge From...' option in the context menu for the 'dev' branch is highlighted with a red rectangle. Other branches like 'feature' and 'master' are also visible.</p>  <p>A screenshot of the Visual Studio Code 'Team Explorer - Branches' view. It shows a merge configuration for 'feature/GXAR重构' into 'feature/dev'. A red text annotation says '注意方向，Into的那个分支会前进' (Note the direction, the branch being merged into will advance). The 'Merge' button is visible.</p>	<p>使用Pull Request替</p>
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查看历史

git log

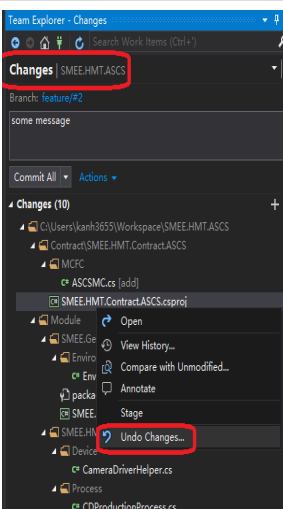
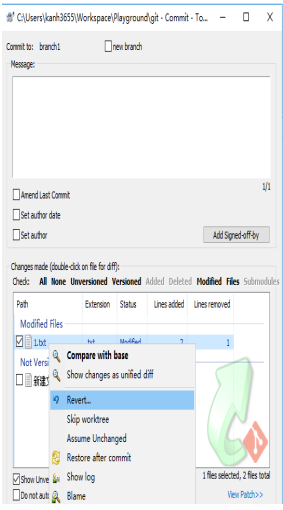
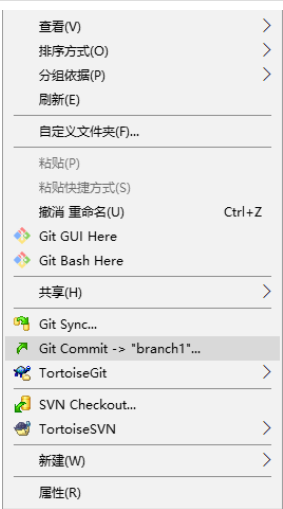


<p>撤销提交</p> <p>(如不确定reset/revert等, 先看PPT)</p>	<p>git reset --hard</p> <p>git reset --mixed</p> <p>git reset --soft</p>	 <p>This screenshot shows the TortoiseGit context menu. The 'View History' option is highlighted with a red circle.</p>  <p>This screenshot shows the TortoiseGit Log Messages window. The 'Reset' option is highlighted with a red circle.</p>	 <p>This screenshot shows the VS Code Team Explorer - Branches view. The 'View History' option is highlighted with a red circle.</p>  <p>This screenshot shows the VS Code Team Explorer - Branches view. The 'Reset' option is highlighted with a red circle.</p>	<p>N/A</p>
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<p>撤销提交 (Revert)</p>	<p>git revert [commit]</p>	 <p>The screenshot shows the TortoiseGit context menu. The 'Revert' option at the bottom is highlighted. Other visible options include Pull, Fetch, Push, Diff, Show log, Show ReLog, Browse References, Daemon, Revision graph, Repo-browser, Check for modifications, and Stash Save.</p>  <p>The screenshot shows the 'Log Messages' window in TortoiseGit. The commit history is displayed in a table with columns for Graph, Actions, Message, Author, and Date. The commit 'Revert: original/branch1' is selected. A right-click context menu is open over this commit, with the 'Revert change by this commit' option highlighted.</p>	 <p>The screenshot shows the 'Team Explorer - Branches' view in VS Code. The 'Branches' tab is active, showing the 'develop' branch. A right-click context menu is open over the 'develop' branch, with the 'View History...' option highlighted. Below this, the commit history is visible, showing a commit with the message 'merge branch on develop'.</p>	<p>N/A</p>
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撤销一个未提交的文件

git checkout
[file]



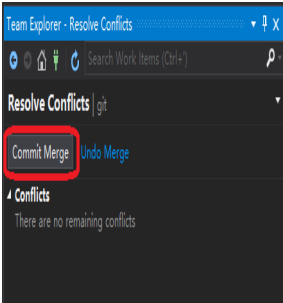
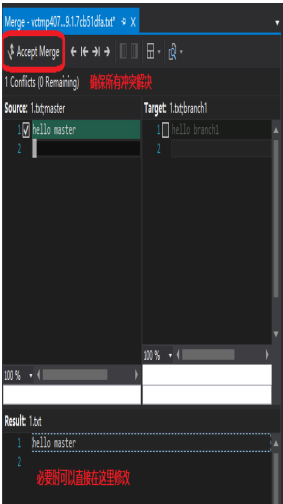
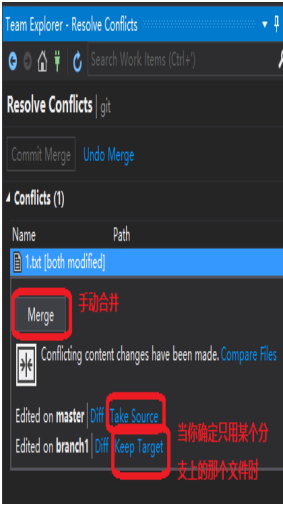
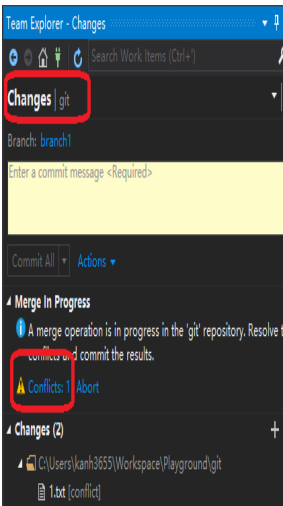
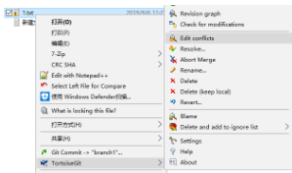
N/A

<p>从远端拉取</p>	<p>git pull</p>	<div><div><div>查看(V) ></div><div>排序方式(O) ></div><div>分组依据(P) ></div><div>刷新(E)</div><div>自定义文件夹(F)...</div><div>粘贴(P)</div><div>粘贴快捷方式(S)</div><div>撤销 新建(U) Ctrl+Z</div><div>Git GUI Here</div><div>Git Bash Here</div><div>共享(H) ></div><div>Git Sync...</div><div>Git Commit -> "branch1"...</div><div>TortoiseGit ></div><div>SVN Checkout...</div><div>TortoiseSVN ></div><div>新建(W) ></div><div>属性(R)</div></div><div><div>Local Branch: branch1</div><div>Remote Branch: branch1</div><div>Remote URL: origin Manage</div><div><input checked="" type="checkbox"/> Automatic Pull Key <input type="checkbox"/> Force</div><div><table><thead><tr><th>Graph</th><th>Actions</th><th>Message</th><th>Author</th><th>Date</th></tr></thead><tbody><tr><td colspan="5">0 commits ahead "origin/branch1"</td></tr></tbody></table></div><div><div>Get</div><div>Push</div><div>Submodule Update</div><div>Apply Patch</div><div>Fetch/Pull</div><div>Show Log</div><div>Commit</div><div>Fetch State</div><div>Close</div><div>Help</div></div><div>0 commits ahead "origin/branch1"</div></div></div>	Graph	Actions	Message	Author	Date	0 commits ahead "origin/branch1"					<div><div>Team Explorer - Synchronization</div><div>Search Work Items (Ctrl+)</div><div>Synchronization SMEE:HINT.ASCS</div><div>Branch: feature#2</div><div>Sync Fetch Pull Push Actions</div><div>Incoming Commits</div><div>Fetch Pull</div><div>There are no incoming commits.</div><div>Outgoing Commits</div><div>Push</div><div>There are no outgoing commits.</div></div>	<p>N/A</p>
Graph	Actions	Message	Author	Date										
0 commits ahead "origin/branch1"														

推送到远端	git push	<div><div><div><div>查看(V)</div><div>排序方式(O)</div><div>分组依据(P)</div><div>刷新(E)</div></div><div>自定义文件夹(F)...</div><div><div>粘贴(P)</div><div>粘贴快捷方式(S)</div><div>撤销 新建(U) <div>Ctrl+Z</div></div><div><div>Git GUI Here</div><div>Git Bash Here</div></div></div><div>共享(H)</div><div>Git Sync...</div><div>Git Commit -> "branch1"...</div><div>TortoiseGit</div><div>SVN Checkout...</div><div>TortoiseSVN</div><div>新建(W)</div><div>属性(R)</div></div><div><div>Local Branch: <div>branch1</div></div><div>Remote Branch: <div>branch1</div></div><div>Remote URL: <div>origin</div> <div>Manage</div></div><div><input checked="" type="checkbox"/> Automatic Push Key <input type="checkbox"/> Force</div><div><table><thead><tr><th>Graph</th><th>Actions</th><th>Message</th><th>Author</th><th>Date</th></tr></thead><tbody><tr><td colspan="5">0 commits ahead "origin/branch1"</td></tr></tbody></table></div><div><div><div>Push</div><div>Fetch</div></div><div><div>Submodule Update</div><div>Apply Patch</div><div>Revert Patch</div></div><div><div>Show Log</div><div>Commit</div><div>Stash Save</div></div><div><div>Close</div><div>Help</div></div></div><div>0 commits ahead "origin/branch1"</div></div></div>	Graph	Actions	Message	Author	Date	0 commits ahead "origin/branch1"					<div><div>Team Explorer - Synchronization</div><div><div>Search Work Items (Ctrl+J)</div><div>Synchronization SMEE.HMT.ASCS</div><div>Branch: feature#2</div><div>Sync Fetch Pull Push Actions</div><div>Incoming Commits</div><div>Fetch Pull</div><div>There are no incoming commits.</div><div>Outgoing Commits (1)</div><div>Push</div><div>在Contract增加ASMC, 在Module增加IMCFCManager</div><div>Kanh3655</div><div>less than a minute ago</div></div></div>	N/A
Graph	Actions	Message	Author	Date										
0 commits ahead "origin/branch1"														

解决冲突

不建议使用命令行



N/A

查看某文件的每一行分别由谁修改

git blame

