# WOPI&FSSHTTP Inspector Testing Case Design Specification

The document introduces how to design WOPI&FSSHTP Inspector Automation testing case. The WOPI&FSSHTTP Inspector is not in a good shape, so the design purpose is based on triggering the top-level messages, such as the messages defined in MS-FSSHTP (not full considered MS-FSSHTPB since there are top level errors) and MS-WOPI.

There are two parts included: how many messages triggered and how to design case based on the triggered messages.

# Message Triggered

## MS-WOPI

|  |  |  |
| --- | --- | --- |
| Message Defined | Triggered/Not | Reason |
| CheckFileInfo | Yes |  |
| DeleteFile | No | File a RFC bug |
| ExecuteCellStorageRelativeRequest | Yes |  |
| ExecuteCellStorageRequest | Yes |  |
| GetLock | No | TDI#99072 |
| GetRestrictedLink | No | RFC#76871 |
| GetShareUrl | No | File a RFC bug |
| Lock | Yes |  |
| PutRelativeFile | Yes |  |
| PutUserInfo | No | TDI#99072 |
| ReadSecureStore | No | File a RFC bug |
| RefreshLock | Yes |  |
| RenameFile | Yes |  |
| RevokeRestrictedLink | No | RFC#76871 |
| Unlock | Yes |  |
| UnlockAndRelock | No | File a RFC bug |
| CheckFolderInfo | Yes |  |
| GetFile | Yes |  |
| PutFile | Yes |  |
| EnumerateChildren | Yes |  |

## MS-FSSHTP

|  |  |  |  |
| --- | --- | --- | --- |
| Message Defined | | Triggered/Not | Reason |
| Cell Subrequest | | Yes |  |
| Coauth Subrequest | Join Coauthoring Session | Yes |  |
| Exit Coauthoring Session | Yes |  |
| Refresh Coauthoring Session | Yes |  |
| Convert to Exclusive Lock | Yes |  |
| Check Lock Availability | Yes |  |
| Mark Transition to Complete | Yes |  |
| Get Coauthoring Session | Yes |  |
| SchemaLock Subrequest | Get Lock | Yes |  |
| Release Lock | Yes |  |
| Refresh Lock | Yes |  |
| Convert to Exclusive Lock | Yes |  |
| Check Lock Availability | Yes |  |
| ExclusiveLock Subrequest | Get Lock | Yes |  |
| Release Lock | Yes |  |
| Refresh Lock | Yes |  |
| Convert to Schema Lock with Coauthoring Transition Tracked | Yes |  |
| Convert to Schema Lock | Yes |  |
| Check Lock Availability | Yes |  |
| WhoAmI Subrequest | | Yes |  |
| ServerTime Subrequest | | Yes |  |
| EditorsTable Subrequest | Join Editing Session | No | File a RFC bug |
| Leave Editing Session | No | File a RFC bug |
| Refresh Editing Session | No | File a RFC bug |
| Update Editor Metadata | No | File a RFC bug |
| Remove Editor Metadata | No | File a RFC bug |
| GetDocMetaInfo Subrequest | | Yes |  |
| GetVersions Subrequest | | Yes |  |
| Versioning Subrequest | Get Version List | No | File a RFC bug |
| Restore Version | No | File a RFC bug |

# Testing scenario

The testing scenario is based on triggered messages.

## MS-WOPI Testing scenarios

### Common steps

|  |  |
| --- | --- |
|  | Common steps |
| Precondition | 1. User1 logs in the SharePoint site 2. Go to the SharePoint shared document page (default page) |
| Cleanup | 1. Exist the SharePoint site |

### New folder

|  |  |
| --- | --- |
|  | Test Case\_NewFolder |
| Precondition | Common precondition |
| Steps | 1. Create a new folder in SharePoint default page 2. Create a new OneNote under the created folder 3. Edit the OneNote via OneNote Online |
| Message covered | CheckFolderInfo, EnumerateChildren, ExecuteCellStorageRelative, CheckFileInfo, ExecuteCellStorage |
| Clean up | Common cleanup |

### Save as copy and Rename file

|  |  |
| --- | --- |
|  | Test Case\_SaveAsCopyAndRename |
| Precondition | Common precondition |
| Steps | 1. Upload an excel file to the SharePoint default page 2. Click the excel file 3. Edit the file in browser 4. Click the online excel title and rename it 5. Go to SharePoint default page 6. Click “…” 7. Select “SaveAsCopy” option 8. Input a name for the new copy document 9. Save it 10. Delete the excel file |
| Message covered | PutFile, PutRelativeFile, Unlock, GetFile, Lock, RenameFile, RefreshLock |
| Clean up | Common cleanup |

## MS-FSSHTTP Testing scenarios

### Common steps

|  |  |
| --- | --- |
|  | Common steps |
| Precondition | 1. Upload a word file to SharePoint default page 2. Go to the SharePoint default page 3. User1 logs in the SharePoint site |
| Cleanup | 1. Delete the word file 2. Exist the SharePoint |

### Schema lock

|  |  |
| --- | --- |
|  | Test Case\_SchemaLock |
| Precondition | Common precondition |
| Steps | 1. Open the word file in precondition with office word 2. Edit it via adding content 3. Save the word file 4. Close the word file |
| Message covered | GetDocMetaInfo, WhoAmI, Joing Coauthring, SchemaLock -> Getlock, GetVersions, ServerTime, RefreshCoauthroing, SchemaLock ->RefreshLock, Cell, GetDocMetaInfo, ExistCoauthroing, SchemaLock -> ReleaseLock |
| Clean up | Common cleanup |

### Exclusive lock

|  |  |
| --- | --- |
|  | Test Case\_ExclusiveLock |
| Precondition | Common precondition |
| Steps | 1. Check out the file from SharePoint site 2. Open the file with office word 3. Edit it via adding content 4. Save the word file 5. Close the word file |
| Message covered | GetDocMetaInfo,WhoAmI, Cell, Joing Coauthring, SchemaLock -> Getlock, ServerTime, GetVersions, ExclusiveLock->RefreshLock, ExclusiveLock->ReleaseLock |
| Clean up | Common cleanup |

### Schema lock switch to exclusive lock

|  |  |
| --- | --- |
|  | Test Case\_ SchemaLockToExclusiveLock |
| Precondition | Common precondition |
| Steps | 1. Open the file with office word 2. Edit it via adding content 3. Save and then switch to check out 4. Close the word file |
| Message covered | GetDocMetaInfo, WhoAmI, GetVersions, Joing Coauthring, SchemaLock -> Getlock, ServerTime, RefreshCoauthroing, SchemaLock ->RefreshLock, Cell, GetDocMetaInfo, Coauth->ConvertToExclusive, SchemaLock->ConvertToExclusive, ExclusiveLock->ReleaseLock |
| Clean up | Common cleanup |

### Exclusive lock for getlock

|  |  |
| --- | --- |
|  | Test Case\_ ExclusiveLockGetlock |
| Precondition | Common precondition |
| Steps | 1. Open the file in precondition with office word 2. Check out the file with office word 3. Update content 4. Close this file with check in with keep user check out 5. Reopen this file 6. Update content and then save 7. Close the word file |
| Message covered | ExclusiveLock-> Getlock, Coauthor->ConvertToSchemaJoinCoauth, ExclusiveLock-> ConvertToSchema |
| Clean up | Common cleanup |

### Schema lock check

|  |  |
| --- | --- |
|  | Test Case\_ SchemaLockCheck |
| Precondition | Common precondition |
| Steps | 1. User1 checks out this file from SharePoint 2. Open the file in precondition with office word 3. Input the user2 name and password in read only mode 4. Wait for a few seconds 5. Close this file |
| Message covered | GetDocMetaInfo,WhoAmI  GetVersions, Cell, ServerTime, Joing Coauthring, SchemaLock -> Getlock, Coauth->CheckLockAvailability, SchemaLock->CheckLockAvailability |
| Clean up | Common cleanup |

### Exclusive Lock check

|  |  |
| --- | --- |
|  | Test Case\_ ExclusiveLockCheck |
| Precondition | Common precondition |
| Steps | 1. User1 opens the file in precondition with office word 2. Check out this file with office word 3. Close this file with keep user check out 4. Reopen this file with user2 in read only mode 5. Wait for a few seconds 6. Close the word file |
| Message covered | ExclusiveLock-> CheckLockAvailability |
| Clean up | Common cleanup |

### Coauthor Without Conflict

|  |  |
| --- | --- |
|  | Test Case\_ CoautherWithoutConflict |
| Precondition | Common precondition |
| Steps | 1. User1 opens the file with office word 2. User1 also open this file with word online 3. Edit the file at same time without conflict 4. Save the file 5. Close the file in word and close this file in word online |
| Message covered | MS-FSSHTTPB structures |
| Clean up | Common cleanup |

### Coauthor With Conflict

|  |  |
| --- | --- |
|  | Test Case\_ CoautherWithConflict |
| Precondition | Common precondition |
| Steps | 1. User1 open the file with office word 2. User1 also open this file with word online 3. Edit the file at same time without conflict 4. Save the file 5. Close the file in word and close this file in word online |
| Message covered | MS-FSSHTTPB structures |
| Clean up | Common cleanup |