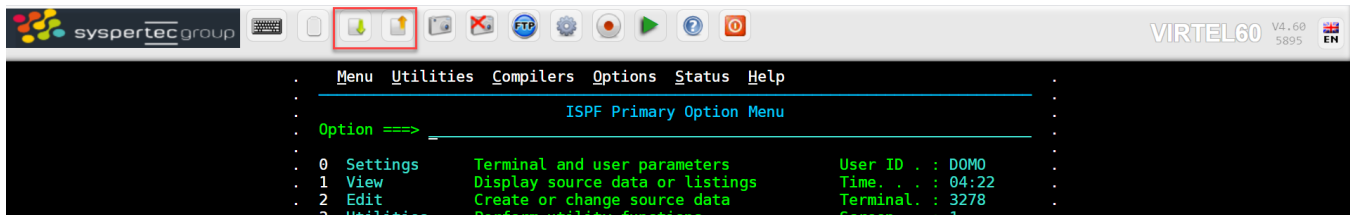


Tip of the Month #1

Add Support for IND\$FILE

To include the support of the IND\$FILE support for your Virtel session, such as TSO or Session Manager, modify the Virtel internal transaction to add the INPUT and OUTPUT scenario SCENINDT. This will create the two IND\$FILE icons on the toolbar.



Update your TSO transaction to include the SCENINDT to the input/output scenario field.

```
TRANSACTION DETAIL DEFINITION ----- Applid: VIRTEL60 4:19:58
Internal name ==> CLI-11 To associate with an entry point name
External name ==> TSO Name displayed on user menu
Description ==> Logon to TSO (model 2)
Application ==> TSO Option ==>
PassTicket ==> Name ==> 0=no 1=yes 2=unsigned
Application type ==> 1 1=VTAM 2=VIRTEL 3=SERV 4=PAGE 5=LINE
Pseudo-terminals ==> CLVTA Prefix of name of partner terminals
Logmode ==> SNX32702 Specify when LOGMODE must be changed
How started ==> 1 1=menu 2=sub-menu 3=auto
Security ==> 1 0=none 1=basic 2=NTLM 3=TLS 4=HTML
H4W commands ? ==> 0=no 1=yes 2=if2VIRTEL 4=auto
Logon message ==>
TIOA at logon ==>
TIOA at logoff ==>
Initial Scenario ==> Final Scenario ==>
Input Scenario ==> SCENINDT Output Scenario ==> SCENINDT
P1=Update P3=Return P12=Server
```

Note that:

1. The underlying Virtel Entry Point must be defined with “extended colors” otherwise IND\$FILE will not work (missing icons).
2. The default IND\$FILE file size limit is 4 MB, See HTPARM= TCT Parameter in the VIRTCT file.
3. Raising the size limit – for example to 10 MB – will slow down Virtel when several users are concurrently transferring data with IND\$FILE, hence consuming excessive amounts of memory.

Six TN3270 Security Flaws

On the SDS website, we list six security flaws with traditional applet based TN3270 emulators that you are protected from when using Virel Web Access. Your security team may want to know about these flaws.

<https://www.sdsusa.com/blog/posts/six-tn3270-security-flaws-expose-data/>

And can be found via [VWA resources](#).

Virel GUI IDE Redevelopment Update

The development of the new Virel GUI IDE is continuing, albeit slightly behind schedule:

- SysperTec beta test will take place in the U.S. in June-July 2021.
- Customer beta test may start with a yet TBD U.S. customer in August or September 2021.
- General availability will likely be in late Q4 2021.

The new IDE will support both field to widget conversion and GUI page layout redesign in a user-friendly (WYSIWYG) user interface that will not require web development skills.

SysperTec has developed a survey to ask prospective Virel Web Modernization customers about their requirements and expectations for the new IDE. Please contact Lori Kettles (lori.kettles@sdsusa.com) or Patrick Fournier (patrick.fournier@syspertec.us) to answer our survey. Your input will be highly appreciated.

Product Updates

We encourage our customers to update their Virel product installations to the latest level to avoid experiencing Virel product issues that have already been identified and corrected. We stand ready to support your product updates.

Virel z/OS 4.60 PTFs

For z/OS customers who have installed Virel V4.60, we would like to bring to your attention some important recently released PTFs applicable to Virel.

PTF5904	USERPARM 100% CPU AT VIRTEL STARTUP High-impact pervasive (HIPER)
PTF5903	VIRAPI ERROR
PTF5901	CORRECT ABENDS0C4 IN MEMDISPLAY COMMAND
PTF5887	5887 APL SUPPORT FOR OMEGAMON

Virtel z/OS 4.59 PTFs

For z/OS customers who have installed Virtel V4.59, we would like to bring to your attention some important recently released PTFs applicable to Virtel.

PTF5904	USERPARM 100% CPU AT VIRTEL STARTUP High-impact pervasive (HIPER)
PTF5903	VIRAPI ERROR IN 4.59
PTF5901	CORRECT ABENDS0C4 IN MEMDISPLAY COMMAND
PTF5898	VIRIPA9I INITIALISATION FOR VIRTELXM (9-XMPASS) CHANGE THE VIRTEL VERSION NUMBER FROM 4.58 TO 4.59
PTF5887	5887 APL SUPPORT FOR OMEGAMON
PTF5879	ERROR DISPLAY VIRSECU= IN /F <VIRTEL>,TCT
PTF5866	REPLACE X'0C' BY A BLANK – CUSTOMER SPECIFIC
PTF5863	POSSIBLE LOOP PROCESSING A SPECIFIC HTTP INPUT
PTF5860	POSSIBLE S0C4 FOR A LOOPING PAGE GENERATION
PTF5847	POSSIBLE S0C1 ON LATE BIND
PTF5846	FIX OF USERPARM DEACTIVATION AT ENTRY POINT
PTF5840	INCORRECT GRAPHIC CHARACTERS
PTF5838	CASE\$ DOES NOT CORRECTLY HANDLE MULTIPLE ATTRIBUTE FIELDS
PTF5824	COPY\$ LIST-TO-VARIABLE WITH ADD-PREFIX12 ERROR
PTF5817	ABEND TRYING TO PROCESS A HOST: HEADER RULE
PTF5816	ABEND AFTER LATE APPSTAT RETURN
PTF5815	POSSIBLE S0C6 AFTER VSAM ERROR
PTF5813	POSSIBLE SCREEN FREEZE AFTER LONGPOLL FAILURE
PTF5812	PASSPHRASE AUTHENTICATION + MFA IN ERROR
PTF5811	CANNOT ENTER ONE SPECIFIC CHINESE CHARACTER 'AIR CONDITION'

Virtel z/OS 4.58 PTFs

For z/OS customers who have installed Virtel V4.58, we would like to bring to your attention some important recently released PTFs applicable to Virtel.

PTF5816	ABEND AFTER LATE APPSTAT RETURN
PTF5812	PASSPHRASE AUTHENTICATION + MFA IN ERROR
PTF5807C	ABEND IN VIR0021W DUE TO AN ERROR IN PTF5807
PTF5807B	COMPLETES 5807 X-SYSTEM LOCK ALTHOUGH LONGPOLL
PTF5807A	COMPLETES 5807 X-SYSTEM LOCK ALTHOUGH LONGPOLL

PTF5807	X-SYSTEM LOCK ALTHOUGH LONGPOLL
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Virtel z/VSE 4.58 PTFs

For z/VSE customers who have installed Virtel V4.58, we would like to bring to your attention some important recently released PTFs applicable to Virtel.

PTF5886a	CORRECTS AN ERROR IN PTF5886
PTF5886	POTENTIAL 0P77I INVALID STORAGE ADDRESS
PTF5719	DECLARE\$: PROBLEM WITH SINGLE QUOTES
PTF5703A	CORRECTS 5703 DECLARE\$ ON DRK FIELDS
PTF5703	DECLARE\$ ON DRK FIELDS

Virtel 4.60 - W2H-DIR/SCE-DIR Update

UPDT5905 is a cumulative maintenance for all files stored in W2H-DIR/SCE-DIR directories with a Virtel 4.60 product installation.

5888	CAPPMENU, CUT COPY PASTE ENHANCEMENTS, INDPANEL UPDATES
5889	Updates Safari CmdCV, correction Autoprint, updates cAppMenu, correction Printing for Autoprint
5890	PROTECTED,NODISPLAY,UNDERSCORE,NORMAL,NOCOLOR - previously these field were displayed in green (including text, which was not good for a NODISPLAY field)
5890a	Backspace key to left arrow assignment, vwa API, Insertion preserve by setting when Ctrl pressed, SYSNAME, vulnerabilities and color of invisible fields
5891	Expired password panel correction in security 4 fix
5895	Ctrl+S default behavior prevented Enhancement, Copy/Paste ending by empty lines Correction, Information about the vwa session added in web2ajax.htm, Dynamic Directories Intert Edit menu Correction and Enhancement, WEB2SUB.html autoskip correction
5897	Add new MACLIB Member VIRTERM. Correct High CPU when using USERPARM and VSAMTYPE=READONLY; VIRHTML should not be readonly if USERPARM is used.
5899	VWA Missing class attribute for color update, cAppMenu documentation update
5905	Update IND\$FILE Codepage limitation

Virtel 4.59 - W2H-DIR/SCE-DIR Update

UPDT5905 is a cumulative maintenance for all files stored in W2H-DIR/SCE-DIR directories with a Virtel 4.59 product installation.

5851	CORRECT SETTINGS AND CONNECTION ISSUES
5867	CORRECT HIDEINFO AND VWA-CAPTURES PARAMETERS BADLY REPORTED

5874	CORRECT SAFARI APPLE CMD, SETTINGS PF22 PF23 CHOICES, AUTOPRINT, DEFERRED AUTHENTICATION AND AUTOCAPTURE, W2HPARM CONSIDERATIONS, MAXIMUM-PASSWORD-LENGTH AND EXPAND/COLLAPSE CAPPMENU BLOCKS
5882	VTAM APP PRINT NO LONGER WORKS FIX PRINT FEATURE
5888	CAPPMENU, CUT COPY PASTE ENHANCEMENTS, INDPANEL UPDATES
5889	Updates Safari CmdCV, correction Autoprint, updates cAppMenu, correction Printing for Autoprint
5890a	Backspace key to left arrow assignment, vwa API, Insertion preserve by setting when Ctrl pressed, SYSNAME, vulnerabilities and color of invisible fields
5891	Expired password panel correction in security 4 fix
5895	Ctrl+S default behavior prevented Enhancement, Copy/Paste ending by empty lines Correction, Information about the vwa session added in web2ajax.htm, Dynamic Directories Interf Edit menu Correction and Enhancement, WEB2SUB.html autoskip correction
5897	Add new MACLIB Member VIRTERM. Correct High CPU when using USERPARM and VSAMTYPE=READONLY; VIRHTML should not be readonly if USERPARM is used.
5899	VWA Missing class attribute for color update, cAppMenu documentation update
5905	Update IND\$FILE Codepage limitation

Virtel Web Access v458 maintenance level for W2H-DIR / SCE-DIR directories

UPDT5845 is a cumulative maintenance for all files stored in W2H-DIR/SCE-DIR directories with a Virtel 4.58 product installation.

5803	FTP V1.1 NEW FEATURES WITH FTP ICON ON THE TOOLBAR
5808	MACRO UPDATES
5823	SMARTWEB2VIRT PARAMETERS – KEYPAD DISPLAY – CLICK POSITION
5826	CORRECTION FOR UPDT5823 BACKSPACE AND KEYPAD +- - CORRECTION
5827	MISC. UPDATES (VSR/OTS UPDATE, VSR/BMS MAP UPDATE, FTP UPDATE)
5828	VWA COLOR CHANGES
5830	UPDATE TO VIRTEL ONLINE DOCUMENTATION AND CAPTURE FIX
5833	UPDATES TO THE SCRNAPI MACROS
5845	BACKSPACE AND KEYPAD SUPPORT FOR V4.58

z/OS Product and z/OS Support

Virtel v4.58 thru v4.60 are certified as compatible with all levels up to z/OS 2.4 and z/VSE 6.2.

Send comments and suggestions to patrick.fournier@sypertec.us. Stay safe.