

Tip of the Month #1

Virtel Libraries and what they are used for: From the ADMIN 3270 select F6 Directories

```

Configuration Menu -----
          F1      Lines
          F2      Terminals
          F3      Entry Points
          F4      Security
          F5      Correspondents
          F6      Directories
          F7      External servers
          F8      Lines Overview
          F9      Lines Status

          PA2    More sub-applications
          CLEAR  Return
    
```

```

LIST of DIRECTORIES ----- Applid: VIRTELDC 13:28:45
Name      Description           T DD name  Keyword  Names  Case  Down  Up  Del
          Description           T DD name  Keyword  length  Case  load  load
          Description           T DD name  Keyword  length  Case  load  load
CLI-DIR   Pages for CLIWHOST       HTMLTRSF  CLI-KEY  0064   X     X     X
DOC-DIR   Documentation            SAMPTRSF  DOC-KEY  0064   X     X     X
DYN-DIR   Dynarch Library         SAMPTRSF  DYN-KEY  0064   X     X     X
GLB-DIR   Global files            V HTMLTRSF  GLOBAL   0064   X     X     X
GRP-DIR   Group files             V HTMLTRSF  %GROUP%  0064   X     X     X
IPA-DIR   Pages for IPAHOST       SAMPTRSF  IPA-KEY  0064   X     X     X
SCE-DIR   Scenario Library       SAMPTRSF  SCE-KEY  0064   X     X     X
USERPARM  USERPARM directory     USERTRSF  UPRMS    0064   X     X     X
USR-DIR   User files              V HTMLTRSF  %USER%   0064   X     X     X
VSR-DIR   Pages for VSRWHOST     SAMPTRSF  VSR-KEY  0064   X     X     X
W2H-DIR   Pages for WEB2HOST     SAMPTRSF  W2H-KEY  0064   X     X     X
YUI-DIR   Yahoo UI Library       SAMPTRSF  YUI-KEY  0064   X     X     X
    
```

Match the corresponding DD Name with the VSAM file in the PROC. So the CLI-DIR is stored in the HTMLTRSF DD name.

```
//HTMLTRSF DD DSN=&QUAL..HTML.TRSF,DISP=SHR
```

Tip of the Month #2

Dynamic logmode with user-specified screen size

VIRTEL Web Access also supports the use of “dynamic” logmodes, such as D4A32XX3, which allow the user to specify a non-standard alternate screen size. When the entry point definition specifies SCENLOGM in the “Identification scenario” field, the user may also append ROWS and COLS parameters to the URL, as shown in this example:

<http://n.n.n.n:41002/w2h/WEB2AJAX.htm+TSO?logmode=D4A32XX3&rows=62&cols=132>

Ensure you have a transaction CLI-xx created with a TSO as the External name.

```
TRANSACTION DETAIL DEFINITION ----- Applid: VIRTELDC 10:14:20
Internal name ==> CLI-11           To associate with an entry point name
External name ==> TSO             Name displayed on user menu
Description ==> Logon to TSO Pass USERID/Password
Application ==> TSO              Option ==>
PassTicket ==> 0 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 ==>                    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
```

Ensure the CLIWHOST Entry point has The Identification Scenario ==> SCENLOGM and Extended colors is enabled with an E.

```
ENTRY POINT DETAIL DEFINITION ----- Applid: VIRTELDC 10:11:00
Name ==> CLIWHOST              Name this ENTRY POINT (LOGON DATA)
Description ==> HTTP entry point (CLIENT applications)
Transactions ==> CLI           Prefix for associated transactions
Last page ==> CLOSE.HTM       Displayed at end of session
Transparency ==>              Server types NOT to emulate
Time out ==> 0030             Maximum inactive time
Do if timeout ==> 0           0=logoff 1=bip+logoff 2=anti pad
Emulation ==> HTML           Type of terminal:
HOST4WEB : program driven    HTML : Web Browser
SCENARIO : script driven     EMAIL : SMTP client
Directory for scenarios ==>   If scenarios in VSAM, not LOADLIB
Signon program ==> VIR0020H   Controls user name and password
Menu program ==> VIR0021A    List of transactions
Identification scenario ==> SCENLOGM eg XML identification
Type 3 compression ==>      Discover typical screens (Virtel/PC)
Mandatory identification ==> (PC or minitel)
3270 swap key ==>           eg P24
Extended colors ==> E       E: extended X: extended + DBCS

P1=Update           P3=Return           P4=Transactions
Enter=Add
```

ISPF Settings, ensure Screen Format is set to 3 Max

```
Terminal Characteristics
Screen format  3  1. Data    2. Std    3. Max    4. Part
Terminal Type  3  1. 3277    2. 3277A  3. 3278    4. 3278A
                5. 3290A    6. 3278T  7. 3278CF  8. 3277KN
                9. 3278KN   10. 3278AR 11. 3278CY 12. 3278HN
               13. 3278H0   14. 3278IS 15. 3278L2 16. BE163
               17. BE190   18. 3278TH 19. 3278CU 20. DEU78
               21. DEU78A  22. DEU78T 23. DEU90A 24. SW116
               25. SW131   26. SW500  27. 3278GR 28. 3278L1
               29. OTHER
```

Tip of the Month #3

Automatically pass USERID and PASSWORD to a TSO session using TIOA

Update your TSO transaction or create a new one which will include the following

Logon message ==> &U

TIOA at logon ==> TSO/E LOGON&/W&'11C9C3'&P&/A

```

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PassTicket ==> 0 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 ==>                    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 ==> &U

TIOA at logon ==> TSO/E LOGON&/W&'11C9C3'&P&/A
TIOA at logoff ==>

Initial Scenario ==>           Final Scenario ==>
Input Scenario ==>            Output Scenario ==>
    
```

IPV6 Support

SysperTec has developed concurrent IPV4/IPV6 support. It will be demonstrated to a beta customer at end of June 2020. Beta testing should start end of September 2020. General availability is planned end of December 2020.

Product Updates (updates made since June newsletter are in red)

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.

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.

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

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.

PTF5719	DECLARE\$: PROBLEM WITH SINGLE QUOTES
PTF5703A	Corrects 5703 DECLARE\$ on DRK fields
PTF5703	DECLARE\$ on DRK fields

Virtel Web Access v459 maintenance level for W2H-DIR / SCE-DIR directories

UPDT5841 is a cumulative maintenance update to Virtel 4.59.

5822	backspace and keypad +-
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.
5835	Screen Presentation and Language Support Changes
5841	VWA Macros fix. IE11
5843	Screen capture and Paste by typing fix
5844	New colour palette in Display Style "Classic"

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

UPDT5833 is a cumulative maintenance update to Virtel 4.58.

5803	FTP V1.1 New Feature 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.

z/OS Upgrades Support

Virtel v4.56 thru v4.59 are certified as compatible with all levels up to z/OS 2.4 and z/VSE 6.2.

Additional Product Information

[Virtel Web Suite – information and datasheets](#)

[SysperTec-Published Virtel Blog](#)

Send comments and suggestions to patrick.fournier@syspertec.us. Stay safe. See you next time.