

# Scripting Framework PowerShell Toolkit

Installation of a Workplace for Packaging and Testing





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# **1** Installation of the Scripting Framework Workplace

This quick guide gives you an optimal overview of Scripting Framework. Please read the Manual for more detailed information.

Quickly and easily install a complete Workplace for packaging and testing software packages on your packaging computer. Network shares are not required, nor is a software distribution system.

#### Requirements

- Windows 64bit operating system
- A system restart may be necessary.

# **1.1 Completing the Installation**

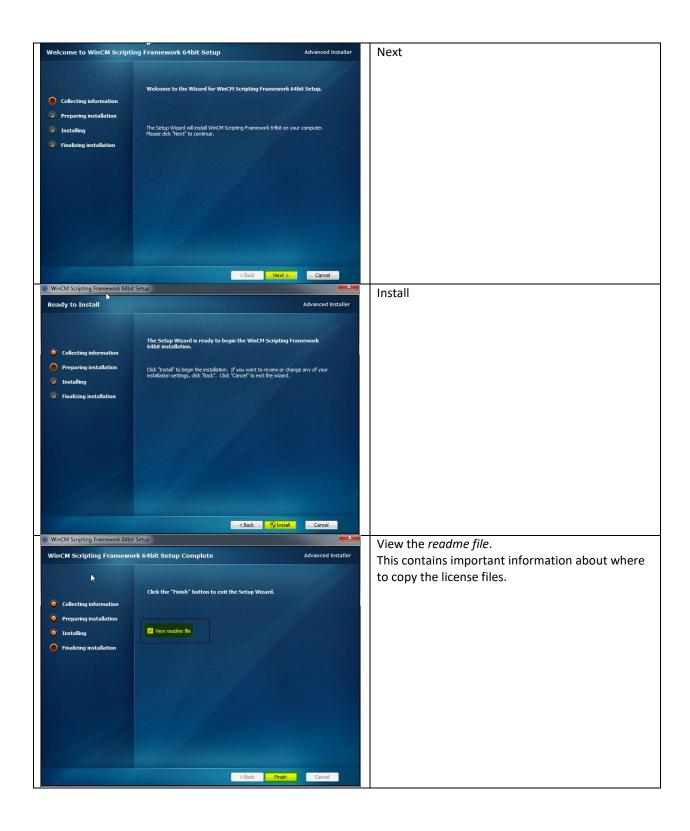
Run the file WinCM\_Scripting\_Framework\_Workplace\_Install\_x64.exe as an administrator. If necessary,

- Microsoft .Net Framework 4.5
- PowerShell 4.0

will be installed as well as Scripting Framework with Suite and several example packages.

Installing the Scriptin	ng Framework Workpla	ce	
WinCM Scripting Framework 64	4bit Setup		Next
	Welcome to the Prereq Wizard The setup has determined that som prerequisites needed to run this pro missing. This wizard will assist you installing those prerequisites. Click continue to the list of prerequisites. Click Finish at any time to complet installation of prerequisites and jum installation of the main program. Cli cancel the installation and exit the standard sectors and the installation of the main program. Click cancel the installation and exit the standard sectors and the installation of the main program. Click cancel the installation and exit the standard sectors are standard sectors.	e of the gram are in getting and Next to ely skip the p to the ck Cancel to Setup Wizard.	
WinCM Scripting Framework 64	bit Setup		Scripting Framework requires at least .Net
Prerequisites			Framework 4 and Powershell 3.0
These programs are needed for next to a prerequisite to selec	or the application to run. Click on the check bo t it for install or to skip it.	x	You can select or deselect the installation of the prerequisites.
Name	Version	Action	prerequisites.
<ul> <li>.NET Framework 4.5</li> <li>Powershell 4.0 Windows 7</li> </ul>	Required: 4.5 or higher. Found: Found: nothing.	Skip Install	Next
Press the Next button to install the	e prerequisites. <ul> <li>Zurück</li> <li>Weiter &gt;</li> </ul>	telen Abbrechen	







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WinCM Scripting Framework 64bit		Please allow the system to restart (preferably after
		copying the license files) so that the
You must restart your system for the configuration WinCM Scripting Framework 64bit to take effect.		installation of PowerShell and .Net
now or "No" if you plan to manually restart later.		Framework can be completed.
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er Ordner		folder.
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Name         Image: Settings.xml         Image: Settings.xml </th <th>17.10.2016 13:14 17.10.2016 13:14 17.10.2016 11:25 23.09.2016 13:25 23.09.2016 14:28 adul Änderungsdatum 12.07.2016 11:46 16.05.2013 11:45 27.01.2016 08:12 17.10.2016 11:25 04.08.2016 11:34</th> <th>C:\Scripting_Framework\Suite\Ultimate Packager</th>	17.10.2016 13:14 17.10.2016 13:14 17.10.2016 11:25 23.09.2016 13:25 23.09.2016 14:28 adul Änderungsdatum 12.07.2016 11:46 16.05.2013 11:45 27.01.2016 08:12 17.10.2016 11:25 04.08.2016 11:34	C:\Scripting_Framework\Suite\Ultimate Packager



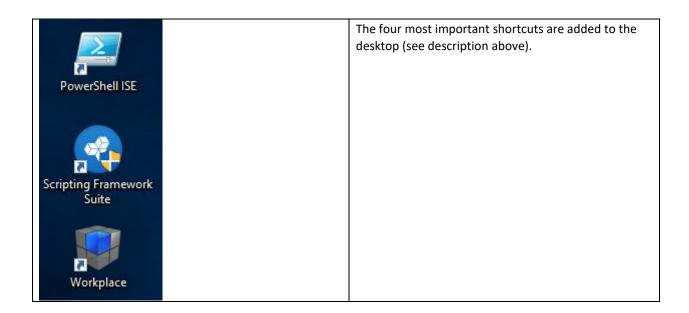
# **1.2 Introduction to Scripting Framework**

This overview will help you quickly become familiar with the Scripting Framework Workplace.

## **1.2.1 Start Menu and Desktop Shortcuts**

	S	The Start Menu now contains the folder
		Scripting Framework
	Scripting Framework ^	This contains all necessary shortcuts.
	Custom Module-GER	<b>Custom Module-GER</b> -> Instructions to create your own functions (German)
	Custom-Module-ENG	Custom Module-ENG -> Instructions to create your
	Manual-ENG	own functions (English)
	🔁 Manual-GER	Manual-ENG -> Scripting Framework Manual (English)
	Package Download	<b>Manual-GER</b> -> Scripting Framework Manual (German)
	Scripting Framework	Package Download -> Internet link for downloading
R	Suite Neu	additional example packages
	Workplace	Scripting Framework -> Scripting Framework product homepage with all the necessary information
\$	Workplace-ENG	<i>Suite</i> -> Scripting Framework Suite – all tools are summarized here
Ф	Workplace-GER	<i>Workplace</i> -> Scripting
	e 🗇 🖸	Framework file structure with Suite, example
		packages and configuration files
		(C:\Scripting_Framework)
		Workplace-ENG -> This document (English)
		Workplace-GER -> This document (German)

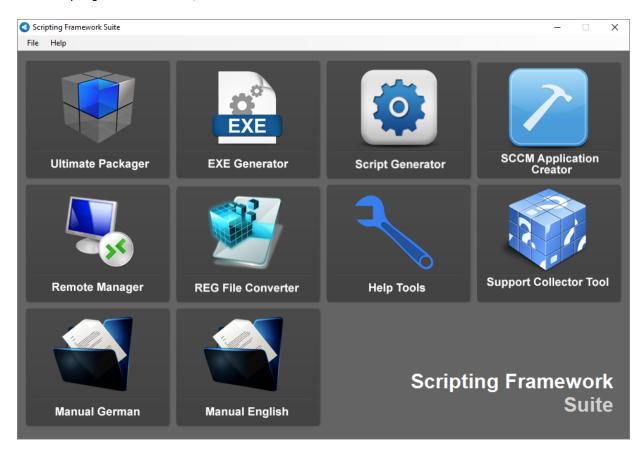






### 1.2.2 Scripting Framework Suite

In the Scripting Framework Suite, various tools are summarized.



You also have the option to create additional shortcuts for all modules or the Manual on the desktop, for example.

Ultimate Packager	C:\Scripting_Framework\Suite\Ultimate Packager\UltimatePackager.exe
EXE Generator	C:\Scripting_Framework\Suite\EXE Generator\EXEGenerator.exe
Script Generator	C:\Scripting_Framework\Suite\Script Generator\Script Generator.exe
SCCM Application Creator	C:\Scripting_Framework\Suite\SCCM Application Creator\SCCM Application
	Creator.exe
Remote Manager	C:\Scripting_Framework\Suite\Remote Manager\RemoteManager.exe
REG File Converter	C:\Scripting_Framework\Suite\REG File Converter\REG File Converter.exe
Manual English	C:\Scripting_Framework\Suite\Manuals\English.pdf
Manual German	C:\Scripting_Framework\Suite\Manuals\German.pdf
Help Tools	C:\Scripting_Framework\Suite\Help Tools\HelpTools.exe
Support Collector Tool	C:\Scripting_Framework\Suite\Support Collector Tool\Support Collector
	Tool.exe

Instructions for each tool can be found in the manual.



### **1.2.3 Workplace Folder Structure**

The *Scripting\_Framework* folder is located directly on the C: drive. It contains everything needed to create and test the packages.

Scripting_Framework	
4 퉬 Config	<i>Config</i> -> Local storage for config
🍌 Location_A	files in which configurations are
퉬 Location_B	stored.
🖉 🌗 Packages	Details below.
Packages_with_cfg	<b>Packages</b> -> Local storage for
Image: Special_samples	packages, with two subdirectories
Adobe_Flash_Player_2100213_UNI_UNV_01	for special example packages
Don_Ho_Notepad++_691_MUI_UNV_01	
Fz_FileZilla_Client_3161_MUI_UNV_01	Suite -> Collection of all modules
VideoLAN_VLC_media_player_222_MUI_UNV_01	and manuals
🖉 퉬 Suite	
🎉 EXE Generator	Template -> Package template
🍌 Help Tools	with examples
퉬 Manuals	
퉬 Remote Manager	
퉬 Script Generator	
🛛 🌽 Ultimate Packager	
🛽 🐌 Template	
Manufacturer_ProductName_Version_Language_Company_BuildNumber	

## 1.2.3.1 Configuration Files (C:\Scripting\_Framework\Config)

The configuration files for the packages (if required) are located in the **Config** folder. It is divided into two subfolders that contain location-specific settings. For each location, it is therefore possible to define different configurations such as server names, etc. for the same package.

Scripting_Framework	*	Name
🛯 🌗 Config		Location A
퉬 Location_A		Location_A
퉬 Location_B		WinCM_Sample_Dynamic_URL_10_UNI_UNV_01.cfg
A Dackager		winew_sample_bynamic_ont_to_ont_onv_ot.erg

You can find the configuration required for each client in the registry. For this Workplace, one has already been configured.

	riptingFramework		KEG_SZ	C:\Scripting_Framework\AutoOpdate	
N I I	Config	ab c_configcompany	REG_SZ	Location_A	
ks ⊳ - <u>1</u>	Inventory	ab c_configpath	REG_SZ	C:\Scripting_Framework\Config	
<u>-</u>	Reboot	Pgm_Don_Ho_Notepad++_691_MUI_UNV_01	REG_SZ	Present	
	Variables	PgmDonHoNotepad++	REG_SZ	Present;6.9.1	
i 🛍 v-	Latta Y	SND DILLARS I C	DEC. 07	D 1	
Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\ScriptingFramework\Variables					

This configuration can be created using the Help Tools. Details can be found in Chapter 2 of the Manual, *Deployment and Configuration*. An explanation of the various package configurations and locations can be found in the Chapter *Loading Package Variables for Dynamic Packages* of the Manual.



#### **Example - Citrix Receiver** (Package *Citrix\_Receiver\_14110012\_MUI\_UNV\_01*) The log file shows that the config file was first successfully searched for in the folder

The log me shows that the comb me was more successivily searched for in the folder						
C:\Scripting_Framework\Config\Location_A						
19:10:2016-14:14:26	INFO: ===== Loadvariables ====================================					
19:10:2016-14:14:26	INFO: Folder Level 1: C:\Scripting_Framework\Config\Location_A\Citrix_Receiver_14110012_MUI_UNV_01.cfg					
19:10:2016-14:14:26	INFO: INISection: CommonClientSettings					
19:10:2016-14:14:26	INFO: Store0 = Location_A; https://LocationA.local/Citrix/WinCM/discovery					
19:10:2016-14:14:26	TNFO: Taskkill					

**Example - WinCM Sample Dynamic URL** (Package *WinCM\_Sample\_Dynamic\_URL\_10\_UNI\_UNV\_01*) The log file shows that the config file was first unsuccessfully searched for in the folder *C:\Scripting\_Framework\Config\Location\_A*, but was then successfully searched for in the folder *C:\Scripting\_Framework\Config* in the second step.

19:10:2016-14:38:07	INFO: ===== Loadvariables ====================================	
19:10:2016-14:38:07	INFO: Folder Level 1: C:\Scripting_Framework\Config\Location_A\WinCM_Sample_Dynamic_URL_10_UNI_UNV_01.cfg	
19:10:2016-14:38:07	INFO: Folder Level 2: C:\Scripting_Framework\Config\WinCM_Sample_Dynamic_URL_10_UNI_UNV_01.cfg	
19:10:2016-14:38:07	INFO: INISection: CommonClientSettings	
19:10:2016-14:38:07	INFO: ShortcutTarget = http://www.scriptingframework.ch	
10.10.2016_1/.38.07	TNEO: CONV	

This example shows how the Powershell script *Launcher.ps1* is started first when starting a software (scripting mode). Before Internet Explorer is started, the configuration file in which the URL is stored is read. Internet Explorer is then started with this URL.

📇 Install.ps1 🗵 🔚 Launcher.ps1 🔀

1	#
2	# Scripting Mode
3	ŧ
4	
5	# Load Variables (NoErrors for offline clients - If offline, the last loaded are used)
6	SF-LoadVariables "%c_ConfigPath%\%_PkgCFGName%.cfg" "CommonClientSettings" -User -NoErrors
7	If ((SF-Variables "% VarPrefix-ShortcutTarget%") -eq "") {SF-Exit "Value for Variable <shortcuttarget> must be</shortcuttarget>
8	
9	# Run Application without Wait
10	SF-Run "%_ProgramFiles32%\Internet Explorer\iexplore.exe" "%_VarPrefix-ShortcutTarget%" -Show -NoErrors
11	

If the URL changes later, only the URL in the configuration file needs to be adjusted. This ensures that a new package does not have to be created and distributed if the URL is changed.

#### 1.2.3.2 Software Packages (C:\Scripting\_Framework\Packages)

A few example packages are available in the folder C:\Scripting\_Framework\Packages You can find additional packages by following the link <u>http://www.scriptingframework.ch/downloads/</u>

- Scripting\_Framework
   Config
   Packages
   Packages\_with\_cfg
   Special\_samples
   Adobe\_Flash\_Player\_2100213\_UNI\_UNV\_01
   Don\_Ho\_Notepad++\_691\_MUI\_UNV\_01
   Fz\_FileZilla\_Client\_3161\_MUI\_UNV\_01
   VideaLAN\_VIC\_madia\_player\_323\_MUI\_UNI\_UNV\_01
  - VideoLAN\_VLC\_media\_player\_222\_MUI\_UNV\_01

The two subfolders contain packages with configuration files.

- C:\Scripting\_Framework\Packages\\_Packages\_with\_cfg
- C:\Scripting\_Framework\Packages\\_Special\_samples

The active configuration files are located in the directory C:\Scripting\_Framework\Config



#### 1.2.3.3 Scripting Framework Suite

All Scripting Framework tools are available in the folder C:\Scripting\_Framework\Suite

📴   💆 🛄 🖛   Tools			- 0	×
Datei Start Freigeben Ansicht				~ ?
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✓	^	Name	Änderungsdatum	Тур
> 🔤 Cache		🍓 AutoUpdater	06.10.2017 17:19	Anv
> 🔥 Logs		👔 cmtrace	26.10.2016 04:00	Anw
		💗 EnvironmentRefresh	16.10.2017 10:08	Anw
Tools		📧 handle	22.01.2013 22:12	Anv
addins		🍾 HelpTools	06.11.2017 13:25	Anw
> appcompat		💗 Lockscreen	16.10.2017 10:05	Anv
> apppatch		💗 Pinltems	21.02.2017 14:22	Anw
AppReadiness				
> 🔥 assembly				
bcastdvr				
7 Elemente	~	<		> ===

# 1.2.3.4 Scripting Framework Engine

Scripting Framework is located in folder C:\Windows\\_ScriptingFramework

📙   🔄 📕 🗢   _ScriptingFramework			- 🗆	×
Datei Start Freigeben Ansicht				~ ?
← → ~ ↑ 📴 → Dieser PC → System (C:) → Windows → _ScriptingFramew	vork → √ Č	"_ScriptingFrame	work" durch	P
Vindows ^ Name	Änderungsdatum	Тур	Größe	
Cache    Cache	23.01.2018 10:55	Dateiordner		
> Cache Logs	23.01.2018 10:23	Dateiordner		
> 📙 Logs 📃 🔤 Modul	28.01.2018 10:22	Dateiordner		
Modul Tools	28.01.2018 10:22	Dateiordner		
Tools				
addins				
> 🔤 appcompat				
> 🔒 apppatch				
AppReadiness				
> 🛃 assembly				
4 Elemente 1 Element ausgewählt				

#### Cache

#### Here the files for each package are stored, provided that a user installation exists.

📊 🛛 🛃 🗢 🗍 User				- 🗆	×
Datei Start Freigeben Ansicht					~ 🕐
← → × ↑ 📙 « Cache > Don_Ho_Notepad++_722_MULU	NV_0	1 > User >	v Ö "User	durchsuchen	P
✓	^	Name	^	Änderungsdatum	Тур
<ul> <li>_ScriptingFramework</li> </ul>		ApplicationData		28.01.2018 10:22	Dat
✓ Gache		Language		28.01.2018 10:22	Dat
Adobe_Acrobat_Reader_DC_1501020060_MUI_UNV_01		📓 InstallUser		30.11.2016 12:43	Win
Don_Ho_Notepad++_722_MUI_UNV_01					
> 🔄 User					
> Microsoft_Office_Professional_Plus_2013_MUI_UNV_01					
> 📙 Logs					
- Modul					
addins	~	<		_	>
3 Elemente	*				



#### Logs (Machine)

Here you will find all log files that are created during the installation of the software packages.

		<u> </u>		
📙   📝 📴 👻   Logs			- 0	×
Datei Start Freigeben Ansicht				~ 🕐
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✓ 📙 Windows	^	Name	Änderungsdatum	Тур
✓		Software	23.01.2018 10:23	Date
> 📴 Cache		AutoUpdater	28.01.2018 10:20	Text
> 📙 Logs		📄 Сору	28.01.2018 10:30	Text
Modul		ScriptingFramework	28.01.2018 10:30	Text
Tools		ScriptingFramework_1	23.01.2018 10:23	Text
addins		ScriptingFramework_2	23.01.2018 10:23	Text
		ScriptingFramework_3	23.01.2018 10:23	Texto
> appcompat		ScriptingFramework_4	23.01.2018 10:23	Text
> 🛃 apppatch		ScriptingFramework_5	23.01.2018 10:23	Texte
AppReadiness				
> 🔄 assembly				
	*	<		>
9 Elemente				::: <b>•</b>

Once log files reach a certain size, they are split up.

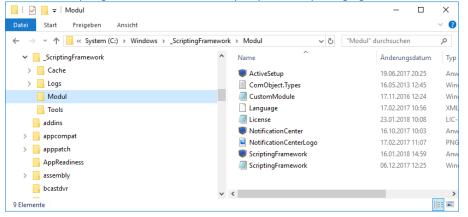
#### Logs (User)

The log files of the user are located under *%LocalAppData%*\_*ScriptingFramework*\*Logs* These are also split up accordingly.

_					
aufnehmen 🔻	Freigeben für 🔻	Neuer Ordne			
Name	<u>^</u>	Änd			
Copy.log		19.1			
ScriptingFra	mework.log	19.1			
📄 ScriptingFra	17.0				
📄 ScriptingFra	17.0				
📄 ScriptingFra	17.0				
ScriptingFramework_4.log					
ScriptingFra	mework_5.log	17.0			

#### Module

This contains the actual Scripting Framework files that must be present on each client, including the license file. Note: Die Scripting Framework Suite is only required for packaging and is not installed on the clients.





#### Tools

This folder includes various tools that are required for Scripting Framework.

📙   💆 🔜 🖛   Tools				×
Datei Start Freigeben Ansicht				~ 🕐
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✓	^	Name	Änderungsdatum	Тур
> 🔒 Cache		i AutoUpdater	06.10.2017 17:19	Anv
> Logs		👔 cmtrace	26.10.2016 04:00	Anv
- Modul		💗 EnvironmentRefresh	16.10.2017 10:08	Anv
Tools		📧 handle	22.01.2013 22:12	Anv
addins		🍾 HelpTools	06.11.2017 13:25	Anv
> appcompat		Ucckscreen	16.10.2017 10:05	Anv
> apppatch		💗 Pinltems	21.02.2017 14:22	Anv
AppReadiness				
> assembly				
bcastdvr				
7 Flammater	*	<		> ===
7 Elemente				



## **1.2.4 Scripting Framework Registry**

In the registry, there is one folder each for the machine part and for the user. These contain all the necessary information.

The path for the machine is *HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\ScriptingFramework* 

stei Bearbeiten Ansicht Favoriten ?			
Policies	* Name	Тур	Daten
Generations     Generations     Generations     Generation	(Standard)	REG_SZ	
Config	_CommonAdminTools	REG_SZ	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Administrative Tools
	_CommonApplicationData	REG_SZ	C:\ProgramData
Applications	_CommonDesktop	REG_SZ	C:\Users\Public\Desktop
Citrix Receiver 14110012 MUI UNV 01	_CommonDocuments	REG_SZ	C:\Users\Public\Documents
Don_Ho_Notepad++_691_MULUNV_01	_CommonFiles	REG_SZ	C:\Program Files (x86)\Common Files
Fz_FileZilla_Client_3161_MUI_UNV_01	_CommonFiles32	REG_SZ	C:\Program Files (x86)\Common Files
VideoLAN_VLC_media_player_222_MUI_UNV_01	_CommonFiles64	REG_SZ	C:\Program Files\Common Files
WinCM Sample Dynamic URL 10 UNI UNV 01	_CommonMusic	REG_SZ	C:\Users\Public\Music
	DommonPictures	REG_SZ	C:\Users\Public\Pictures
Variables	Ab CommonPrograms	REG_SZ	C:\ProgramData\Microsoft\Windows\Start Menu\Programs

The path for the user is *HKEY\_CURRENT\_USER\Software\ScriptingFramework* 

atei Bearbeiten Ansicht Favoriten ?				
ScriptingFramework	*	Name	Тур	Daten
Variables		ab) (Standard)	REG_SZ	(Wert nicht festgelegt)
Scripting_2308	E	ab_ApplicationData	REG_SZ	C:\Users\test1\AppData\Roaming
Sysinternais		ab_City	REG_SZ	Wilen (Gottshaus)
		A Company	REG_SZ	04 Windows Client Management
Wise Solutions		A Cookies	REG_SZ	C:\Users\test1\AppData\Roaming\Microsoft\Windows\Cookie
Wow6432Node		_Country	REG_SZ	СН
System		Department	REG_SZ	Packaging
Volatile Environment		Description	REG_SZ	Domain Admin ohne GPO und Roaming Profile

Tip: Take the time to familiarize yourself with the registry.

If you have logged on as a domain user, you will find information (this is generated dynamically each time) as variables that are used in the packages accordingly.

Registrierungs-Editor tei Bearbeiten Ansicht Favoriten	2		
Sconputer		т	Deter
HKEY CLASSES ROOT	Name	Тур	Daten
HKEY_CURRENT_USER	ab) (Standard)	REG_SZ	(Wert nicht festgelegt)
> - AppEvents	ab _ApplicationData	REG_SZ	C:\Users\test1\AppData\Roaming
Console	ab_City	REG_SZ	
> - Control Panel	ab_Company	REG_SZ	04 Windows Client Management
Environment	ab_Cookies	REG_SZ	C:\Users\test1\AppData\Roaming\Microsoft\Windows\Cookies
EUDC	ab_Country	REG_SZ	СН
Identities	ab_Department	REG_SZ	Packaging
Keyboard Layout	ab _Description	REG_SZ	Domain Admin ohne GPO und Roaming Profile
Network	ab_Desktop	REG_SZ	C:\Users\test1\Desktop
Printers	_DisplayName	REG_SZ	Daniel Soller
a - 🐌 Software	赴 _EMail	REG_SZ	daniel.soller@wincm.ch
Adobe	ab_Favorites	REG_SZ	C:\Users\test1\Favorites
AppDataLow	ab_Fax	REG_SZ	+41714225816
Bare Metal Software	ab_FirstName	REG_SZ	Daniel
Brainware	ab_History	REG_SZ	C:\Users\test1\AppData\Local\Microsoft\Windows\History
De 📕 Caphyon	ab_HomeDrive	REG_SZ	H:
p 🎍 Citrix	赴 _Homepage	REG_SZ	www.wincm.ch
Classes	ab_HomePath	REG_SZ	Υ
Hyperionics	HomeShare	REG_SZ	\\WINCM-DC01.wincm.local\UserHomes\$\Test1
Microsoft	ab_Initials	REG_SZ	DSO
Nico Mak Computing	InternetCache	REG_SZ	C:\Users\test1\AppData\Local\Microsoft\Windows\Temporary Internet Files
ScriptingFramework	ab_LastLogonTime	REG_SZ	10/19/2016 16:20:40
Variables	ab_LastName	REG_SZ	Soller
Sysinternals	ab_LocalApplicationData	REG_SZ	C:\Users\test1\AppData\Local
VMware, Inc.	ab_LocalLowApplicationData	REG_SZ	C:\Users\test1\AppData\LocalLow
WinRAR	ab_MyDocuments	REG_SZ	C:\Users\test1\Documents
Wise Solutions	MyMusic	REG_SZ	C:\Users\test1\Music
Wow6432Node	ab_MyPictures	REG_SZ	C:\Users\test1\Pictures
> - 🌇 System	ab_MyVideos	REG_SZ	C:\Users\test1\Videos
Volatile Environment	ab_Office	REG_SZ	Hauptsitz
HKEY_LOCAL_MACHINE	ab_Pager	REG_SZ	+41792352472
HKEY_USERS	ab Personal	REG_SZ	C:\Users\test1\Documents
B IKEY_CURRENT_CONFIG	ab_PostalCode	REG_SZ	9225
	ab Programs	REG_SZ	C:\Users\test1\AppData\Roaming\Microsoft\Windows\Start Menu\Programs
	ab_Province	REG_SZ	TG
	ab Recent	REG_SZ	C:\Users\test1\AppData\Roaming\Microsoft\Windows\Recent
	ab_SendTo	REG_SZ	C:\Users\test1\AppData\Roaming\Microsoft\Windows\SendTo
	ab_StartMenu	REG_SZ	C:\Users\test1\AppData\Roaming\Microsoft\Windows\Start Menu
	ab_Startup	REG_SZ	C:\Users\test1\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Startu
	ab Street	REG_SZ	Schoosswiesen 13
	ab_Telephone	REG_SZ	+41
	ab TelephoneHome	REG_SZ	+41
	ab TelephoneMobile	REG SZ	+41792352472

A detailed description can be found in Chapter 3 of the Manual, *Structure of the Toolkit and Further Information*.



### **1.2.5 Structure of the Scripting Framework Packages**

Each package has a predetermined structure, which is always the same. Refer to the example packages that were installed with the Scripting Framework Workplace. This will help you quickly get an overview of the structure.

A detailed description can be found in Chapter 5 of the Manual, *Scripting Framework Software Package* (*Definition*).

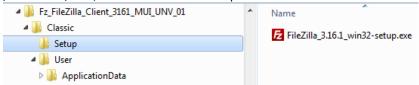
For example, take the package Fz\_FileZilla\_Client\_3161\_MUI\_UNV\_01

Image: Approximation of the state of the
🛛 🌗 Classic
🌗 Setup
🖉 퉲 User
ApplicationData

The folder name of a package is based on the following naming convention: Manufacturer\_ProductName\_Verison\_Language\_Company\_BuildNumber

The *Classic* folder means that this package is a physical installation. For a virtual App-V package, the name given is *AppV*. The reason for this is that a distinction is made as to what type of package it is. The *Classic* or *AppV* folder is not required.

The *Setup* folder contains installation resources, e.g. an MSI file or files that are copied to the program directory / Windows / etc., but no files for the user profile.



The *User* folder contains all files for the user profile or the user home, for example. It also contains the script that is run once for each user in order to apply the appropriate settings.

# J Fz_FileZilla_Client_3161_MUI_UNV_01	*	Name
4 🌗 Classic		Anglingting Data
퉬 Setup		🍌 ApplicationData 🔊 InstallUser.ps1
🛯 🌗 User		
ApplicationData		

In this example package, the user settings are activated – *see InstallUser.ps1*. These are applied once automatically when a user logs on to the client. If the user is already logged on and the package is installed on the client, the settings are applied directly without a renewed login. This also applies to terminal servers for all registered users. However, this function can be deactivated via a configuration in the registry.

Content

InstallUser.ps1 - Editor	
Datei Bearbeiten Format Ansicht ?	
# # Installation User #	
# Copy Files SF-Copy "%_PkgCache%\User\ApplicationData" "	%_ApplicationData%" -Newer
# ====================================	



In the next example (Adobe Flash Player), no user part is required. It is therefore an installation that applies exclusively to the client. For this reason, the user part has been deactivated in this package. The .ps1 script in the *User* folder must be renamed to *Disabled\_InstallUser.ps1* for this.

It is essential that the file is present if no installation is required for the user. Do not delete it under any circumstances.

<ul> <li>Adobe_Flash_Player_2100213_UNI_UNV_01</li> <li>Classic</li> <li>Setup</li> <li>User</li> </ul>	^	Name Disabled_InstallUser.ps1
Content of <i>Disabled_InstallUser.ps1</i>		

Disabled\_installOser.ps1 - Editor
Datei Bearbeiten Format Ansicht ?
# -----# Installation User
# -----# No Action
# ------# END

#### **Configuration and Installation Files**

Image: Approximation of the state of the	*	Name	^
4 퉬 Classic		Setup	
\mu Setup		User	
4 🍌 User		Install.exe	
ApplicationData		Install.ps1	
VideoLAN_VLC_media_player_222_MUI_UNV_01		Package.xml	
🛛 📕 Suite		🐻 Uninstall.exe	
Jemp		📓 Uninstall.ps1	
Tools .			

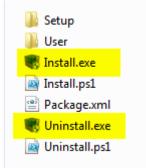
Install.exe	This is used to install files
Install.ps1	The install script
Package.xml	The definition for the package
Uninstall.exe	This is used to uninstall files
Uninstall.ps1	The uninstall script

You can edit the ps1 files (PowerShell) with the *PowerShell ISE Editor* and run them directly. Of course, other editors with which the script cannot be run directly can also be used.



#### **1.2.6 Installing and Uninstalling Packages Manually**

The Install.exe file is run to install packages and the Uninstall.exe file to uninstall them.



If a user part is defined in the package, it is run automatically and made visible by means of a status window.

#### 1.2.7 Creating Packages

Use the *Ultimate Packager* to create packages if a silent installation is not possible or certain settings are required after the installation of a software.

As mentioned above, we will soon offer the *Script Generator*. Until the former is ready, the PowerShell Editor can assist you.

Please start the desktop shortcut Windows PowerShell ISE with administrator rights.



Scripting Framework's PowerShell library is automatically loaded. Please copy the template that is located in the folder C:\Scripting\_Framework\Template



Rename the template accordingly.



Next, fill out the Package.xml accordingly.

.



Now create the script with the *Scripting Framework Functions*. The template contains frequently used function examples and mechanisms.

If you require user settings (files, registry, shortcuts, etc.), edit the script *InstallUser.ps1* and consequently delete the script *Disabled\_InstallUser.ps1*. If no user settings are required, delete the file *InstallUser.ps1* 

ji Config	Disabled_InstallUser.ps1
🎉 Setup	InstallUser.ps1
🔰 User	Instanoser.psi

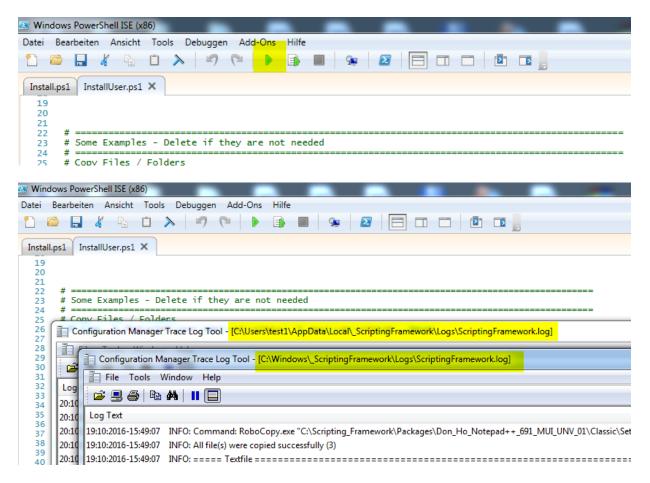
In InstallUser.ps1, you can find frequently used function examples and mechanisms.

Install.ps1	InstallUser.ps1 ×	
19 20 21 22 #		
23 #		Delete if they are not needed
	Copy Files / Fol F-Copy "%_PkgCac	ders he%\User\ApplicationData" "%_ApplicationData%" -Newer
28 #		- Function to create _PkgLang Variable ,1033,1036,1040" "1033"
31 #	SF-Register32 SF-INIWrite "%	"%_PkgLang%") -eq "1031") { "HKey_Current_User" "Software\Adobe\Acrobat Reader\11.0\Language\current" "" "locale\de_de\rdlang32.deu" "REG_SZ" _ApplicationData%\Canneverbe Limited\CDBurnerXP\UserSettings.ini" "General" "AppLanguage" "de-DE"
37 #	SF-Register32 SF-INIWrite "%	"%_PkgLang%") -eq "1033") { "HKey_Current_User" "Software\Adobe\Acrobat Reader\11.0\Language\current" "" "acrord32.dll" "REG_SZ" _ApplicationData%\Canneverbe Limited\CDBurnerXP\UserSettings.ini" "General" "AppLanguage" "en-US"
43 #	SF-Register32 SF-INIWrite "%	"%_PkgLang%") -eq "1036") { "HKey_Current_User" "Software\Adobe\Acrobat Reader\11.0\Language\current" "" "locale\fr_fr\rdlang32.fra" "REG_SZ" _ApplicationData%\Canneverbe Limited\CDBurnerXP\UserSettings.ini" "General" "AppLanguage" "fr-FR"
49 #	SF-Register32 SF-INIWrite "%	"%_PkgLang%") -eq "1040") { "HKey_Current_User" "Software\Adobe\Acrobat Reader\11.0\Language\current" "" "locale\it_it\rdlang32.ita" "REG_SZ" _ApplicationData%\Canneverbe Limited\CDBurnerXP\UserSettings.ini" "General" "AppLanguage" "it-IT"
55 #	Disable Autoupda F-INIWrite "%_Ap	te plicationData%\Canneverbe Limited\CDBurnerXP\UserSettings.ini" "General" "AutoUpdate" "O"
59 #	END	

If you run a script in the PowerShell Editor, the Trace Log Tool, which allows you to follow the installation in real time based on the log file, starts automatically.



Two trace windows are opened: one for the software installation and one for the user settings. You can observe all the actions performed except the writing of registry keys.



You can view the Scripting Framework functions in the Powershell Editor. To do this, select the ScriptingFramework module.

Windows PowerShell ISE (x86)	
Datei Bearbeiten Ansicht Tools Debuggen Add-Ons Hilfe	
Install.ps1* X	Befehle X
1 #	Module: ScriptingFramework
4 5 # Check OSType 6 If ((SF-Variables "%_OSType%") -eq "x64") {SF-Exit "This Software is only for Windows 32bit"}	Name:
7 If ((SF-Variables "%_OSType%") -eq "x86") {SF-Exit "This Software is only for Windows 64bit"} 8 # No install on Workstation and Notebook	SF-AppvInstall E SF-AppvUninstall
10 If ((SF-Variables "%_ComputerType%") -eq "WORKSTATION") {SF-Exit "This Software is not for Workstations. Exit Installation 11 If ((SF-Variables "%_ComputerType%") -eq "NOTEBOOK") {SF-Exit "This Software is not for Notebooks. Exit Installation"}	SF-CD SF-Copy SF-Crypt
12 13 # Load Variables 14 SF-LoadVariables "%c_ConfigPath%\%_PkgCFGName%.cfg" "CommonClientSettings"	SF-Decrypt SF-Delete SF-Exit
15 If ((SF-Variables "%_VarPrefix-XXXX") -eq "") {SF-Exit "Value for Variable XXX> must be set in %_PkgCFGName%.cfg"} 16 17 # Terminate Process	SF-ExtractArchive
18 SF-Taskkill "PrimaS. exe" 19	SF-FileVersion SF-FontInstall
20 # Terminate all Processes and Handles in a Folder 21 SELTackWill "K SuctamEniusK) TactEolder"	SF-FontUninstall



After you click on the function, the available parameters are displayed in the lower part of the window. Complete the parameterization. Then use the *[Copy]* button to copy the command line to the clipboard for further use.

🗷 Windows PowerShell ISE (x86)	
Datei Bearbeiten Ansicht Tools Debuggen Add-Ons Hilfe	
1 🙆 🖬 🦧 🐁 🗈 🔉 🔊 (* ) 🕨 ា 💷 🙊 🙋 🧮	
Install.ps1* ×	Befehle X X
1 # ^ 2 # Installation 3 #	Module: ScriptingFramework
<pre>4 4 5 # Check OSType 6 If ((SF-Variables "%_OSType%") -eq "x64") {SF-Exit "This Software E 7 If ((SF-Variables "%_OSType%") -eq "x86") {SF-Exit "This Software 8 9 # No install on Workstation and Notebook 10 If ((SF-Variables "%_ComputerType%") -eq "WORKSTATION") {SF-Exit 11 If ((SF-Variables "%_ComputerType%") -eq "NOTEBOOK") {SF-Exit "Th </pre>	Name: SF-LockScreen SF-Log SF-MD SF-MSInstall
<pre>12 13 # Load Variables 14 SF-LoadVariables "%c_ConfigPath%\%_PkgCFGName%.cfg" "CommonClient 15 If ((SF-Variables "%_VarPrefix-XXX%") -eq "") {SF-Exit "Value for 16 </pre>	Parameter für "SF-MSLinstall";
17 # Terminate Process 18 SF-Taskkill "Prima5.exe" 19	Arguments:  Log
20 # Terminate all Processes and Handles in a Folder 21 SF-Taskkill "%_SystemDrive%\TestFolder" 22	NoErrors Path: C:\Temp\TesLmsi
23 # Language (Machine) - Function to create _PkgLang Variable 24 SF-Language "1031,1033,1036,1040" "1033" 25	RemoveFirstOnRepair
26 # DEU 27 ⊡ If ((SF-Variables "%_PkgLang%") -eq "1031") { 28   SF-Register32 "HKey_Local_Machine" "Software\Application123" " 29   } 30	♥ x64 x86
31 # ENU 32 ⊡ If ((SF-Variables "%_PkgLang%") -eq "1033") { 33   SF-Register32 "HKey_Local_Machine" "Software\Application123" " 34   } 35	
36 # FRA 37 ⊡ If ((SF-Variables "%_PkgLang%") -eq "1036") {	
ic\Desktop>	
۰ ۲	Ausführen Einfügen Kopieren
	Ln 18 Spalte 29 100%

SF-MSIInstall -Path C:\Temp\Test.msi -RemoveFirstOnRepair -x64

#### **1.2.8 Scripting Framework Functions**

There are currently more than 60 functions available:

- Installing and uninstalling of applications
- Deleting of files and folders, including the automatic closure of active executables
- Writing of registry values (32-bit and 64-bit)
- Copying of files
- Installing and uninstalling of AppV packages
- Creating shortcuts
- Installing fonts
- Creating services
- etc.

Of course, your own PowerShell code can also be used within the Scripting Framework packages.



# **1.3 Closing Remarks**

If you have any questions or comments about Scripting Framework, please do not hesitate to contact us. E-mail <u>info@wincm.ch</u>

We wish you much success and fun with Scripting Framework.