

# RELEASE NOTES

PACE Suite 5.6

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**Release Notes** 

PACE Suite 5.6



# 1 PACE Suite Overview

PACE Suite is an advanced and fast software-packaging tool with an intuitive user interface and set of features providing (re)packaging in Windows Installer, UWP (MSIX/APPX), and various virtualized formats.

#### Components:

Арр	Purpose				
Launcher	<ul> <li>Combine all PACE Suite tools (listed below)</li> <li>Collect all major functions in a single place for quick access</li> <li>Configure virtual machine configuration for remote capturing and testing, etc.</li> </ul>				
Setup Capture	<ul> <li>Run repackaging on remote virtual machine</li> <li>Run repackaging on local host</li> <li>Detect embedded (hidden) MSI installers</li> <li>Take system snapshot on local host</li> <li>Compare two snapshots on local host</li> </ul>				
MSI Generator	<ul><li>Edit installation project</li><li>Build MSI, MSIX, APPX, APPV, THINAPP package</li></ul>				
MSI Editor	<ul> <li>Edit MSI/MST</li> <li>Create MSP, MSM</li> <li>Integrate MSI upgrade</li> <li>Estimate package complexity</li> <li>Run ICE validation</li> <li>Publish to Microsoft SCCM 2007, 2012, 2016.</li> <li>Generate package report</li> </ul>				
Quality Approver	<ul><li>Check MSI readiness</li><li>Check MSIX/APPX readiness</li></ul>				
Docu Generator	• Record on-screen actions into a document				



	s are Prerequisites target system contains necessary software prerequisites:
	Windows or Windows Server OS that supports .NET 4.7.2 ( <u>https://docs.microsoft.com/en-us/dotnet/framework/get-started/system-requirements</u> ) or higher.
OS	NOTE Building Universal Windows Platform app packages (MSIX/APPX) is available under Windows 10 or Windows Server 2016 and newer.
	Automated package testing with <b>Quality Approver</b> requires a virtual machine with Windows 10 version 1803 or newer.
	Microsoft .NET Framework 4.7.2 ( <u>https://dotnet.microsoft.com/download/dotnet-</u> <u>framework-runtime</u> ) or higher.
Middleware	NOTE For building THINAPP packages, ensure that your system contains VMware ThinApp (5.0.0/5.0.1/5.1.0/5.1.1/5.2.0) installed and activated with the valid license.
	For publishing MSI packages to Microsoft SCCM 2007 (SP1/SP2/R1/R2) or SCCM 2012 (SP1/SP2/R2/R2 SP1) server, ensure that your system contains Microsoft Management Framework 3.0 and Windows Remote Management (WinRM) service enabled.
Privileges	Administrative privileges on the system

Privileges Administrative privileges on the system.

## 1.2 Hardware Prerequisites

Ensure that a target system fulfills the minimum hardware conditions:

	32-bit (x86) or 64-bit (x64) processor at 2 GHz or greater					
Processor	NOTE To repackage 64-bit applications or create 64-bit App-V packages, use PACE Suite on a 64-bit Windows operating system.					
RAM	2 GB					
Hard drive free space	1 GB NOTE Additional storage is required for your projects and packages and depends on their size and quantity.					
Display	1280 x 800 resolution or higher.					



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### 2.1 About This Release

The 5.6 release of PACE Suite includes the following new features:

#### • UI for Environment Variables

View and manage Environment Variables that will be installed by the MSI package with the use of a simple and user-friendly interface of Package Designer. *For details, see section 2.2* 

#### • UI for Services

Benefit from the brand new Services tab of Package Designer for installing and controlling Windows services.

For details, see section 2.3



#### Release Notes PACE Suite 5.6 2.2 UI for Environment Variables Tool: MSI Editor

BMSI Editor - PACE_Suite_v5.6.msi				- 🗆 X
	Package Designer	Tables Editor		
🖿 Package resources	Environment varia	bles		2 items
<ul> <li>Files and folders</li> <li>INI entries</li> </ul>	Name	Value	Туре	Component
Shortcuts	VAR_1	Value 1	Per-machine	cmp0194E3097F77CAB8A1909D06CAB9C445
Registry	VAR_2	Value 2	Per-user	cmp0220764673D3788F22490ABF28012B31
<ul> <li>Drivers</li> <li>Package configuration</li> <li>Features and components</li> </ul>		MSI table: 'Environment'		
ARP appearance System search		Variable name VAR_1		
Upgrades K Environment variables		Value Value 1		
<ul><li>Services</li><li>Properties</li></ul>		Type Per-machine	~	
<ul> <li>Summary information</li> <li>Permissions</li> </ul>		Action on install Create and update	~	
🚍 Media settings 🕤 Digital signature		Order		
		Replace an existing variable Action on uninstall	~	
		Remove	~	
		cmp0194E3097F77CAB8A1909D06CAB9C445	~	
		Save Cancel		
	Add Rem	ove		

View and manage **Environment Variables** that will be installed by the MSI package with the use of a simple and user-friendly interface of Package Designer. There is no longer a need to deep dive into the particularity of MSI tables.

All that long set of prefixes, their combinations and special characters of the <u>Environment table</u> are now presented as a dialog with available and compatible settings, written in human language.

When creating or editing an Environment Variable, you can control:

- Variable Name and Value;
- its installation Type (per-machine / per-user);
- Actions on install what to do on install (create and update / only create if missing / remove);
- Order how to store new value if the variable already exists (replace / append to the end / prefix to the front);
- Actions on uninstall what to do on uninstall (remove / keep);
- **Component** what component will trigger variable installation/de-installation.



Release Notes PACE Suite 5.6 2.3 UI for Services Tool: MSI Editor



MSI Editor - PACE_Suite_v5.6.msi			- 🗆 X
■ MENU Package Summary	Package Designer	Tables Editor	
	Services		2 items
Files and folders	Service	Action	Component
INI entries	TestService1	Install service	
Shortcuts	TestService1	Control service	General Parameters
🗞 Registry			
Custom actions			
🐓 Drivers			MSI table: 'ServiceInstall'
🕶 🛅 Package configuration			Service name
Features and components			TestService1
ARP appearance			Display name
Q System search			Test Service 1
🗢 Upgrades			
% Environment variables			Description
Services			My test
Properties			Contine autombolie
Summary information			Service executable
Permissions			Component
A Media settings			Launcher.exe 🗸
g Digital signature			Executable
			SourceDir\Program Files\PACE Suite\Launcher\Launcher.exe Browse
			Arguments
			-silent
			Save Cancel
	Add 🔺 Ren	nove	

Benefit from the brand new **Services** tab of Package Designer for installing and controlling Windows services.

The simple view displays a list of Win32 services that will be installed and controlled by this package. Therefore, it combines the content of both <u>ServiceInstall</u> and <u>ServiceControl</u> tables in a single place to make it easier to find resources affected by the MSI.

When creating/editing a Service Install entry, you can manage:

- Service name, display name, and description;
- Executable and arguments;
- Service type (runs its own process / shares a process);
- Start type (automatic / demand / disabled);
- Error control (ignore / normal / critical);
- Load order group (a string that names the load ordering group of which this service is a member);
- **Dependencies** (a list of names of services or load ordering groups that the system must start before this service);
- User (start) name and password (service is logged on with the specified account credentials; if blank, the LocalSystem account will be used).

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MSI Editor - PACE_Suite_v5.6.msi								- 0
MENU Package Summary	Package Designer	Tables Editor						
🕶 🛅 Package resources	Services							2 items
Files and folders	Service	Action		Component				
INI entries	TestService1	Install serv	ice	Launcher.exe	2			
Shortcuts	TestService1	Control ser	rvice	Launcher.exe	2			
							_	
Custom actions			Properties		-		<	
-			54					
Package configuration			C MCI tabl	e: 'ServiceControl'				
Features and components ARP appearance				e. servicecontrol				
Q System search			Service name					
C Upgrades			TestService1					
% Environment variables			Actions on install					
Services			✓ Start	🗆 Stop	Delete			
Properties			Actions on uninstall					
Summary information			Start	🗹 Stop	✓ Delete			
🕰 Permissions			Start arguments					
📇 Media settings								
🕤 Digital signature			Wait for the service t	o complete before proceed	ding			
			Component		5			
			Launcher.exe			~		
				Save	Cancel			
	Add 🔺 Rer	nove						

When creating/editing a Service Control entry, you can manage:

- Service name (a service that will be controlled);
- Actions on install (start / stop / delete);
- Action on uninstall (start / stop / delete);
- Start arguments;
- Component (a component that triggers service controlling during installation/de-installation).



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# 3 Release History

- PACE Suite 5.5
- PACE Suite 5.4
- PACE Suite 5.3
- PACE Suite 5.2
- PACE Suite 5.1
- PACE Suite 5.0
- PACE Suite 4.7
- PACE Suite 4.6
- PACE Suite 4.5
- PACE Suite 4.4
- PACE Suite 4.3
- PACE Suite 4.2
- PACE Suite 4.1
- PACE Suite 4.0
- PACE Suite 3.5.5
- PACE Suite 3.5
- PACE Suite 3.4.2
- <u>PACE Suite 3.4.1</u>
- PACE Suite 3.4
- <u>PACE Suite 3.3 3.3.1</u>



