

PCGENESIS TECHNICAL SYSTEM OPERATIONS GUIDE

11/9/2021	Section A: Setting Up a New PCGenesis Server
11/9/2021	Server

Topic 4: Microsoft SQL Server Express2016 Installation Instructions, V1.2

Revision History

Date	Version	Description	Author
11/9/2021	1.2	21.03.00 – Update to include Windows Server 2022.	D. Ochala
01/13/2020	1.1	19.04.00 – Update to include Windows Server 2019.	D. Ochala
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Overview

This document contains the instructions for upgrading software to support the PCGenesis database and the *VerraDyne Print Manager* software. The first part of the upgrade is to load the Microsoft components required to run a database.

This release supports the software packet for systems running Windows Server 2012 or Windows Server 2016 or Windows Server 2019 or Windows Server 2022. The software packet contains the following components:

Windows Server 2012 / 2016 / 2019 / 2022 Software Packet

- .NET 4.5 Framework (required for *VerraDyne Print Manager* software)
- Microsoft SQL Server Express 2016
- Microsoft SQL Server 2016 Management Studio
- Adobe Reader (to be loaded to the server)

For school systems running Windows Server 2012, or Windows Server 2016, or Windows Server 2019, or Windows Server 2022, Microsoft SQL Server Express 2016 requires the PCGenesis server to have all maintenance and service packs installed on your PCGenesis server so that the Windows Server operating system is fully up to date.

Procedure A: Download SQL Server Software Packet Files

This Release is for Windows Server 2012 or 2016 or 2019 or 2022

PCGenesis Release **18.S.16** is now available for download and installation for school systems running Windows Server 2012 or 2016 or 2019 or 2022. The GaDOE would like school systems which meet the operating system requirements listed below to down load and install this release **before June 30, 2018**.

New Method for Downloading Release Files

The files required to install this release are very large. As a result, the GaDOE has a new method for downloading the release files. PCGenesis Administrators may access the installation files and documentation by copying the following link into their web browser or clicking on the link below. You must use CHROME and not Internet Explorer to access this site.

https://ftp.doe.k12.ga.us/

Use the following credentials when prompted:

User: pcg2012-16 Password: PCGreleases

You should see five files along with the pdf file which contains the release documentation. All five files are required to install the release.

Navigate to the **K:\INSTAL** directory on the PCGenesis server. Highlight each file, in turn, and click on the **Download** button. (The web browser may require downloading the files to the **Download** directory, after which they should be copied to the **K:\INSTAL** directory.) Download or copy the following files to the **K:\INSTAL** directory.

- InstlNET
- PCGUNZIP.EXE
- SQLinstl16.BAT
- Win2012_Win2016_SQLEXPR_x64_ENU .exe
- Win2012_Win2016_SSMS-Setup-ENU.exe

Please take the time to review this document carefully prior to installing the new release. Following the instructions for installing the release is absolutely necessary.

Procedure B: Installation Instructions for Release 18.S.16 Software

B1. Perform a PCGenesis Full Backup

When the prior evening's backup was successful, and when installing *Release 18.S.16* before performing any work in PCGenesis for the day, proceed to *B2. Install PCGenesis Release*. In addition to its current labeling, also label the prior evening's backup CD/DVD/USB as **"Data Backup Prior to Release 18.S.16**". Continue to use the backup CD/DVD/ USB in the normal backup rotation.

Step	Action
1	Verify all users are logged out of PCGenesis.
2	If the <i>Uspool</i> background task has not yet been removed from the from "All Users Startup", close <i>Uspool</i> at the server. <i>Uspool</i> must be permanently removed and should no longer be running on the server.
3	Perform a PCG Full Backup to CD or DVD or USB.
4	When the PCGenesis backup completes, label the backup CD or DVD or USB "Full System Backup Prior to Release 18.S.16 ".
5	Proceed to B2. Install PCGenesis Release 18.S.16.

B2. Install PCGenesis Release 18.S.16 <u>FROM THE PCGENESIS SERVER</u>

Step	Action
1	Verify that all Windows Server operating system updates have been applied to your system before starting this installation!
2	Verify all users are logged out of PCGenesis.
3	Open Windows® Explorer.
4	Navigate to the K:\INSTAL directory.
5	Verify the following five files display: PCGUNZIP.EXE, SQLINSTL16.BAT INSTLNET Win2012_Win2016_SQLEXPR_x64_ENU.exe Win2012_Win2016_SSMS-Setup-ENU.exe
	If these five files do not display, return to the MyGaDOE Web portal, and detach the files from the Web portal again.

StepAction6*** ALERT ***After downloading the files we need to make sure they are not blocked, otherwise when we
unzip, ALL the files will be blocked. This is a new security feature of the Windows Server
2012 / 2016 / 2019 / 2022 operating system.To check whether the files have been blocked, right-click on each of the five downloaded
files and select Properties. If you see a security message at the bottom, as shown below,
you will need to click the 'Unblock' button. This is a very important step!

Seperal Coor	rice.vshost.exe.config Properties	割 bin.zip Prop	erties 💌
cienciai Secu	inty Details Previous versions	General Secu	rity Details Previous Versions
	VQueueService.vshost.exe.config	2	bin.zip
Type of file: Opens with:	XML Configuration File (.config)	Type of file:	WinZip File (.zip)
		Opens with:	WinZip Change
Location:	K:\vqueue\bin	Location:	N:\Angela
Size:	1.31 KB (1,346 bytes)	Size:	31.3 MB (32,911,614 bytes)
Size on disk:	4.00 KB (4,096 bytes)	Size on disk:	31.3 MB (32,915,456 bytes)
Created:	Monday, March 05, 2018, 1:03:48 PM	Created:	Yesterday, March 13, 2018, 5:42:15 PM
Modified:	Thursday, December 01, 2016, 10:02:54 AM	Modified:	Yesterday, March 13, 2018, 9:12:23 AM
Accessed:	Monday, March 05, 2018, 1:03:48 PM	Accessed:	Yesterday, March 13, 2018, 5:42:15 PM
Attributes:	□ <u>Bead-only</u> □ <u>H</u> idden <u>Ad</u> vanced	Attributes:	Read-only Hidden Advanced
Security:	This file came from another computer and might be blocked the unblock help protect this computer.	Security:	This file came from another computer and might be blocked to Unblock help protect this computer.
	OK Cancel Apply		OK Cancel Apply

Step	Action
7	In the K:\INSTAL directory, right click on PCGUNZIP.EXE and select the 'Properties' option. Verify that the size of the file is 67.8 MB as shown below.
	If the size of the file is <u>not</u> 67.8 MB as shown below, return to the MyGaDOE Web portal, and detach the file from the Web portal again.

PCGUNZIP.exe:

2	PCGUNZIP.e	xe Properties
ſ	General Comp	patibility Security Details Previous Versions
		PCGUNZIP.exe
	Type of file:	Application (.exe)
L	Description:	PCGUNZIP.exe
	Location:	X:\pcg5
	Size:	67.8 MB (71,175,168 bytes)
	Size on disk:	67.8 MB (71,151,616 bytes)
	Created:	Yesterday, May 10, 2018, 2:18:28 PM
	Modified:	Yesterday, May 10, 2018, 12:40:36 PM
	Accessed:	Yesterday, May 10, 2018, 2:18:28 PM
	Attributes:	Read-only Hidden Advanced
		OK Cancel Apply

StepAction8In the K:\INSTAL directory, right click on Win2012_Win2016_SQLEXPR_x64_ENU.exe
and select the 'Properties' option. Verify that the size of the file is 411 MB as shown
below.
If the size of the file is not 411 MB as shown below, return to the MyGaDOE Web portal,
and detach the file from the Web portal again.

Win2012_Win2016_SQLEXPR_x64_ENU.exe:

🚜 Win2012_W	in2016_SQLEXPR_x64_ENU.ex	e Properties
Security	Details	Previous Versions
General	Compatibility	Digital Signatures
	Win2012_Win2016_SQLEXP	R_x64_ENU.exe
Type of file:	Application (.exe)	
Description:	Microsoft SQL Server 2016 Ex	press SP1
Location:	X:\pcg5	
Size:	411 MB (431,397,432 bytes)	
Size on disk:	410 MB (430,870,528 bytes)	
Created:	Yesterday, May 10, 2018, 2:18	:35 PM
Modified:	Wednesday, February 15, 201	7, 12:31:32 PM
Accessed:	Yesterday, May 10, 2018, 2:18	:35 PM
Attributes:	Read-only Hidden	A <u>d</u> vanced
	ОК	Cancel Apply

StepAction9In the K:\INSTAL directory, right click on Win2012_Win2016_SSMS-Setup-ENU.exe
and select the 'Properties' option. Verify that the size of the file is 802 MB as shown
below.
If the size of the file is not 802 MB as shown below, return to the MyGaDOE Web portal,
and detach the file from the Web portal again.

Win2012_Win2016_SSMS-Setup-ENU.exe

General Compatibility Digital Signatures Image: Compatibility Digital Signatures Image: Compatibility Win2012_Win2016_SSMS-Setup-ENU.exe Type of file: Application (.exe) Description: Microsoft SQL Server Management Studio - 17.4 Location: X:\pcg5 Size: 802 MB (841,083,616 bytes) Size on disk: 801 MB (840,937,472 bytes) Created: Yesterday, May 10, 2018, 2:11:54 PM Modified: Tuesday, January 30, 2018, 9:42:49 AM Accessed: Yesterday, May 10, 2018, 2:11:54 PM Attributes: Read-only Hidden Attributes: Read-only Hidden	Security	Details	Previous Versions
Win2012_Win2016_SSMS-Setup-ENU.exe Type of file: Application (.exe) Description: Microsoft SQL Server Management Studio - 17.4 Location: X:\pcg5 Size: 802 MB (841,083,616 bytes) Size on disk: 801 MB (840,937,472 bytes) Created: Yesterday, May 10, 2018, 2:11:54 PM Modified: Tuesday, January 30, 2018, 9:42:49 AM Accessed: Yesterday, May 10, 2018, 2:11:54 PM Attributes: Read-only Hidden	General	Compatibility	Digital Signatures
Type of file: Application (.exe) Description: Microsoft SQL Server Management Studio - 17.4 Location: X:\pcg5 Size: 802 MB (841,083,616 bytes) Size on disk: 801 MB (840,937,472 bytes) Created: Yesterday, May 10, 2018, 2:11:54 PM Modified: Tuesday, January 30, 2018, 9:42:49 AM Accessed: Yesterday, May 10, 2018, 2:11:54 PM Attributes: Read-only	0	Win2012_Win2016_SSMS-Se	etup-ENU.exe
Description: Microsoft SQL Server Management Studio - 17.4 Location: X:\pcg5 Size: 802 MB (841,083,616 bytes) Size on disk: 801 MB (840,937,472 bytes) Created: Yesterday, May 10, 2018, 2:11:54 PM Modified: Tuesday, January 30, 2018, 9:42:49 AM Accessed: Yesterday, May 10, 2018, 2:11:54 PM Attributes: Read-only Hidden Advanced	Type of file:	Application (.exe)	
Location: X:\pcg5 Size: 802 MB (841,083,616 bytes) Size on disk: 801 MB (840,937,472 bytes) Created: Yesterday, May 10, 2018, 2:11:54 PM Modified: Tuesday, January 30, 2018, 9:42:49 AM Accessed: Yesterday, May 10, 2018, 2:11:54 PM Attributes: <u>Read-only</u> <u>H</u> idden Advanced	Description:	Microsoft SQL Server Manage	ment Studio - 17.4
Size: 802 MB (841,083,616 bytes) Size on disk: 801 MB (840,937,472 bytes) Created: Yesterday, May 10, 2018, 2:11:54 PM Modified: Tuesday, January 30, 2018, 9:42:49 AM Accessed: Yesterday, May 10, 2018, 2:11:54 PM Attributes: Read-only Hidden Advanced	Location:	X:\pcg5	
Size on disk: 801 MB (840,937,472 bytes) Created: Yesterday, May 10, 2018, 2:11:54 PM Modified: Tuesday, January 30, 2018, 9:42:49 AM Accessed: Yesterday, May 10, 2018, 2:11:54 PM Attributes: Read-only Hidden Advanced	Size:	802 MB (841,083,616 bytes)	
Created: Yesterday, May 10, 2018, 2:11:54 PM Modified: Tuesday, January 30, 2018, 9:42:49 AM Accessed: Yesterday, May 10, 2018, 2:11:54 PM Attributes: Read-only Hidden Advanced	Size on disk:	801 MB (840,937,472 bytes)	
Modified: Tuesday, January 30, 2018, 9:42:49 AM Accessed: Yesterday, May 10, 2018, 2:11:54 PM Attributes: Read-only Hidden Advanced	Created:	Yesterday, May 10, 2018, 2:11	:54 PM
Accessed: Yesterday, May 10, 2018, 2:11:54 PM Attributes: Read-only Hidden Advanced	Modified:	Tuesday, January 30, 2018, 9:	42:49 AM
Attributes: Read-only Hidden Advanced	Accessed:	Yesterday, May 10, 2018, 2:11	:54 PM
	Attributes:	Read-only Hidden	Advanced

Step	Action
10	Right-click SQLINSTL16.BAT and select <i>Run as administrator</i> to perform the installation.

			^{User Account Control} Do you want to allow this app to make changes to your device?	×
		·	Windows Command Processor Verified publisher: Microsoft Windows	
			Show more details Yes No	
Step	Action			
			11 (5) 11 1.	

11	When prompted with 'Do you want to allow this app to make changes to your device?' select
	'Yes'.

The following screen displays briefly:

WinZip Self-Extractor - PCGUNZIP.exe	×				
To unzip all files in PCGUNZIP.exe to the specified folder press the Unzip button.	<u>U</u> nzip				
Unzip to folder:	Run <u>W</u> inZip				
K:\INSTAL Browse	<u>C</u> lose				
✓ Overwrite files without prompting	<u>A</u> bout				
	<u>H</u> elp				
Unzipping NDP452-KB2901907-x86-x64-AllOS-ENU.exe					

If the PCGenesis server already has **Microsoft** .**NET Framework 4.5** installed, the following screen displays:

Nicrosoft .NET Framework 4.5.2	×
Your installation will not occur. See below for reasons why.	
Details .NET Framework 4.5.2 or a later update is already installed on this computer.	
More information about <u>blocked .NET Framework 4.5.2 installations</u> .	
Continue	Close

If the PCGenesis server does <u>not</u> have **Microsoft .NET Framework 4.5** installed, the following screen displays:

🌄 Mic	rosoft .NET Framework 4.5.2						
.NE	T Framework 4.5.2 Setup Please accept the license terms to continue		Microsoft .NET				
	_						
	NET FRAMEWORK AND ASSOCIATED LANGUAGE PACKS FOR MICROSOFT WINDOWS OPERATING SYSTEM						
	where you live, one of its o you. If you are licensed to us n software (the "software"), yo not use it if you do not have a	e ou					
	✓ I have read and accept the license term	s. 🦪					
	Download size estimate:	0 MB					
	Download time estimates:	Dial-Up: 0 minutes Broadband: 0 minutes					
		[Install]	Cancel				

Step	Action
12	If the PCGenesis server already has Microsoft . NET Framework 4.5 installed, proceed to <i>Step 8</i> .
	If the PCGenesis server does <u>not</u> have Microsoft .NET Framework 4.5 installed, accept the license term and click ' Install '.
	Click 'Done' when the Microsoft .NET Framework 4.5 installation is completed.

The following screen displays:

	(Choose Directory For	Extracted Files		×
		Choose Directory For E	Extracted Files Win2016_SQLE	XPR_x64_ENU	N
		Ok	Cancel	Browse	
Step	Action				
13	When prompted v	with ' <i>Choose Dir</i>	ectory For E	xtracted Fil	les',

The following screen displays briefly:

Microsoft SQL Server 2016 Express SP1	×
Preparing: K:\INSTAL\Win20\MICROSOF1	.SQLSERVER.DEPLOYMENT.RESOURCES.DLL Cancel

The following screen displays:

Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	 MICROSOFT SQL SERVER 2016 EXPRESS These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft updates, supplements, Internet-based services, and support services I accept the license terms. SQL Server 2016 transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about SQL Server 2016 data processing and privacy controls, please see the Privacy Statement.
--	--

When prompted with 'SQL Server 2016 Setup – License Terms', select 'Next'.

The following screen may be displayed in certain instances:

5	SQL Server 2016 Setup	- • ×
Microsoft Update Use Microsoft Update to check	for important updates	
License Terms Global Rules Microsoft Update Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Microsoft Update offers security and other important updates for Window software, including SQL Server 2016. Updates are delivered using Automat the Microsoft Update website. Use Microsoft Update to check for updates (recommended) <u>Microsoft Update FAQ</u> <u>Microsoft Update Privacy Statement</u>	s and other Microsoft tic Updates, or you can visit
	< Back	Next > Cancel

Step	Action
15	If prompted with ' <i>SQL Server 2016 Setup – Microsoft Update</i> ', decide whether or not you would like your Windows Server to use <i>Microsoft Update</i> to automatically check for updates.
	If you would like <i>Microsoft Update</i> to check for updates, check the box and select 'Next'.
	If you do <u>not</u> want <i>Microsoft Update</i> to check for updates, do <u>not</u> check the box and select ' Next '.
	Generally, it is considered good operating practice to keep your PCGenesis Windows Server operating system and other components constantly up-to-date with the latest security patches.

Select the Express features to i	install.			
License Terms	Eeatures:		Feature description:	
Global Rules Install Setup Files Install Rules	Instance Features Database Engine Services SQL Server Replication Shared Features SQL Client Connectivity SDK		The configuration and operation of instance feature of a SQL Server inst isolated from other SQL Server insta Server instances can operate side-by	each ^ ance is = nces. SQL ~
Feature Selection			Prerequisites for selected features:	
Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules	Redistributable Features		Already installed: Windows PowerShell 3.0 or high Microsoft Visual Studio 2010 Re III Disk Space Requirements	
Installation Progress Complete			Drive C: 1058 MB required, 35147 Mb	8 available 🗠
	Select <u>A</u> ll <u>U</u> nselect All			
	Instance goot directory:	K:\PCG5QL0	db	
	Shared feature directory:	C:\Program Files\Mi	crosoft SQL Server\	
	Shared feature directory (<u>x</u> 86):	C:\Program Files (x8	6)\Microsoft SQL Server\	
			< Back Next >	Cancel

16 When prompted with '*SQL Server 2016 Setup – Feature Selection*', verify that '*Database Engine Services*' is checked, and select '**Next**'.

	C 11			1	
The	toll	$\int \frac{dw}{dw} dw$	screen	disn	lavs.
Inc	1011	io wing	bereen	unp.	uyb.

1		SQL Server 201	6 Setup		_ _ ×
Instance Configuration	1				
Specify the name and instance	ID for the instance of S	QL Server. Instance	ID becomes part of	the installation path.	
License Terms	O <u>D</u> efault instance				
Global Rules Install Setup Files	Named instance:	SQLEXPRESSPCG	i		
Install Rules Feature Selection	Instance <u>I</u> D:	SQLEXPRESSPCG	i		
Feature Rules Instance Configuration Server Configuration	SQL Server directory:	C:\Program Files	\Microsoft SQL Serve	r\MSSQL13.SQLEXPRES	SPCG
Database Engine Configuration Feature Configuration Rules	Installed instances:				
Installation Progress Complete	Instance Name	Instance ID	Features	Edition	Version
				< Back Next	c> Cancel
Action					
When prompted	with 'SQL Ser	rver 2016 S	etup – Insta	nce Configure	ation', verify th

	SQL Server 2016 Setup			
Server Configuration	d collation configuration.			
License Terms Global Rules Install Setup Files	Service Accounts Collation	use a separate account for each	SQL Server serv	ice.
Install Rules	Service	Account Name	Password	Startup Type
Feature Selection	SQL Server Database Engine			Automatic V
Complete				
Complete		< <u>B</u> aci	< <u>N</u> ex	t > Cancel
Complete Action		< <u>B</u> ac	< <u>N</u> ex	t > Cancel

Specify Database Engine authe	ntication security mode, administrators, data directories and TempDB settings.
License Terms Global Rules Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Oatabase Engine Configuration Feature Configuration Rules Installation Progress Complete	Server Configuration Data Directories TempDB User Instances FILESTREAM Specify the authentication mode and administrators for the Database Engine. Authentication Mode • Windows authentication mode • Mixed Mode (SQL Server authentication and Windows authentication) Specify the password for the SQL Server system administrator (sa) account. Enter password: Confirm password: Specify SQL Server administrators BUILTINVADMINISTRATORS SQL Server administrators Add Current User Add
	(Back Nuts) Concel

19 When prompted with '*SQL Server 2016 Setup – Database Engine Configuration*', select '**Next**'.

🚼 SQL Server 2016 Setup			- 0	×
Complete				
Your SQL Server 2016 insta	llation completed successfully.			
License Terms	Information about the Setup operation or p	possible next steps:		
	Feature	Status		~
Install Setup Files	Database Engine Services	Succeeded		
Install Rules	SQL Browser	Succeeded		
Feature Selection	SQL Writer	Succeeded		
Feature Rules	SQL Client Connectivity	Succeeded		
Instance Configuration	SQL Client Connectivity SDK	Succeeded		
Server Configuration	Setun Sunnort Filer	Succeeded		*
Database Engine Configuration				
Facture Configuration	Detaile			
reature Configuration Rules	Details:			
Installation Progress				
Complete				
	Summary log file has been saved to the foll	owing location:		
	C() Program Eiler) Microsoft SOL Server 120	Setup Bootstrap\Log\20180405_005022		
	Summary pcg2016test 20180405 09593	2.txt		
			C	lose

Step	Action
20	When prompted with 'SQL Server 2016 Setup – Complete', select 'Close'.

The following screen may or may not display:

	Computer restart required	x
1	One or more affected files have operations pending. You must restart your computer after the setup process is completed.	
B	ок	

Step	Action
21	When prompted with 'Computer restart required', select 'OK'.
	Do not RESTART the PCGenesis server at this time. The PCGenesis server should be rebooted as the <u>last</u> step of the procedure.

	-	
	Corrected Release 17.4 Microsoft SQL Server Management Studio	
	Welcome. Click "Install" to begin.	
	By clicking the "Install" button, I acknowledge that I accept the <u>License Terms</u> and <u>Privacy Statement</u> .	
	SQL Server Management Studio transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about SQL Server Management Studio data processing and privacy controls, see the privacy statement link above.	
	Install Close	
Step	Action	
22	When prompted with the ' <i>Microsoft SQL Server Management Studio</i> ' screen, select ' Install '.	

The following screen displays briefly:

	RELEASE 17.4		4	Ctualia
••• <i>7</i> 8	MICTOSOTT S	QL Server IVI	anagement	Studio
Package I	rogress			
Microsoft	Visual Studio Tools fo	or Applications 2015		
Overall Pr	ogress			

One of the following screens will display:



Or, this screen may display:

	_	
	Time Release 17.4 Microsoft SQL Server Management Studio	
S	Setup Completed	
A	All specified components have been installed successfully.	
	Close	
tep	Action	
23	When prompted with the 'Microsoft SQL Server Management Studio' screen, select 'Cle	ose'.
	Do not RESTART the PCGenesis server at this time.	

If the PCGenesis server does <u>not</u> have **Adobe Acrobat Reader** installed, the following screen may display briefly:

🔎 Adobe Acr	obat Reader DC Installer	<u> </u>		×
<u>ک</u>	Adobe Acrobat Reader DC: Downloading	_	11%	

The following screen displays:

📒 Adobe Acro	obat Reader DC Installer			
Adobe Acrobat Reader DC: Installation complete				
		~		
	Launch Adobe Acrobat Reader DC			
Und	check the box for 'Launch			
Add	obe Acrobal Redder DC			
		Finish		

Step	Action
24	When prompted with the 'Adobe Acrobat Reader DC: Installation Complete' screen, uncheck the box for 'Launch Adobe Acrobat Reader DC' and select ' Finish '.
25	Now, REBOOT the PCGenesis server.

B3. Verify Release 18.S.16 Was Successfully Installed

Step	Action
1	Log into PCGenesis.
2	From the <i>Business Applications Master Menu</i> , select 30 (F30 - System Utilities).
3	From the <i>System Utilities Menu</i> , select 17 (F17 - Display Current Release Number).

The following screen displays:

Step 4

PCG Dist=89	91 Rel=18.01.00	05/10/2018	DOD 005	SV K:\SYSTEN	1 K:\SECOND	W.	
							DEFNRELM
	The Followin	ng D.O.E. R	eleases I	Have Been Suc	cessfully Load	ed:	
	DOE 16.01.	00 03/31/	2016				
	DOE 16.01.0	01 05/15/ 00 06/00/	2016				
	DOE 16.02.0	00 00/30/ 00 09/30/	2010				
	DOE 16.03.	01 11/30/	2016				
	DOE 16.04.0	00 12/31/ 00 02/31/	2016				
	DOE 17.02.0	00 06/30/	2017				
	DOE 17.03.0	00 09/25/	2017				
	DUE 17.03.0	01 12/01/ 00 12/22/	2017				
	DOE 18.01.	00 02/19/	2018				
	DOE 18.01.0		2018				
	DOE 10.01.0	00 03/29/	2010				
.NET Fra	amework 3.5: N	SQL SERVE	R EXPRES	S 2012: N			
.NET Fra .NET Fra	amework 3.5: N amework 4.5: Y	SQL SERVE SQL SERVE	R EXPRESS	S 2012: N S 2016: Y	SQL MANAGEMEI	1T STUDIO :	2016: Y
.NET Fra .NET Fra	amework 3.5: N amework 4.5: Y	SQL SERVE SQL SERVE	R EXPRESS R EXPRESS	S 2012: N S 2016: ¥	SQL MANAGEMEI	NT STUDIO ;	2016: ¥
.NET Fra .NET Fra	amework 3.5: N amework 4.5: Y	SQL SERVE SQL SERVE Press <en< td=""><td>R EXPRES: R EXPRES: ITER> or</td><td>S 2012: N S 2016: Y F16 to Exit</td><td>SQL MANAGEMEI</td><td>NT STUDIO :</td><td>2016: Y 18.01.00</td></en<>	R EXPRES: R EXPRES: ITER> or	S 2012: N S 2016: Y F16 to Exit	SQL MANAGEMEI	NT STUDIO :	2016: Y 18.01.00
.NET Fra .NET Fra	amework 3.5: N amework 4.5: Y	SQL SERVE SQL SERVE Press <en< td=""><td>R EXPRES: R EXPRES: ITER> or</td><td>S 2012: N S 2016: Y F16 to Exit</td><td>SQL MANAGEMEI</td><td>4T STUDIO :</td><td>2016: Y 18.01.00</td></en<>	R EXPRES: R EXPRES: ITER> or	S 2012: N S 2016: Y F16 to Exit	SQL MANAGEMEI	4T STUDIO :	2016: Y 18.01.00
.NET Fr. .NET Fr.	amework 3.5: N amework 4.5: Y	SQL SERVE SQL SERVE Press (EN	R EXPRES: R EXPRES: ITER> or	S 2012: N S 2016: Y F16 to Exit	SQL MANAGEMEI	NT STUDIO :	2016: ♥ 18.01.00
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If the above components do not display a 'Y', contact the Technology Management Customer Support Center for assistance
Customer support Center <i>for assistance</i> .

Y

SQL MANAGEMENT STUDIO 2016:

5	Select Enter.
6	Log off the PCGenesis server.

Step	Action
7	Verify users remain logged out of PCGenesis.

B4. Perform a PCGenesis Full Backup After Release 18.S.16 is Installed

Step	Action
1	Verify all users are logged out of PCGenesis.
2	Perform a PCG Full Backup to CD or DVD or USB.
3	When the PCGenesis backup completes, label the backup CD or DVD or USB "Full System Backup After Release 18.S.16 ".