## Instalacja oprogramowania Microsoft SQL Server 2019 Express w systemie Windows 10

Komentarz	Ekran	
1. Program należy pobrać ze strony Microsoft:	Image: Instalacja SQL Server Express       x       Image: Download Microsoft* SQL Server x       +       -       □       ×         ←       →       C*	
https://www.microsoft.com/en- us/Download/details.aspx?id=101064	Microsoft® SQL Server® 2019 Express Important! Selecting a language below will dynamically change the complete page content to that language. Select Language: Inglish <b>Download</b> Microsoft® SQL Server® 2019 Express is a powerful and reliable free data management system that delivers a rich and reliable data store for lightweight Web Sites and desktop applications.	
2. Uruchomić pobrany plik i wybrać instalację niestandardową <b>Custom</b> . Instalacja niestandardowa pozwoli wybrać sposób logowania do serwera oraz wprowadzić hasło użytkownika z uprawnieniami administracyjnymi serwera.	© → × Express Edition Select an installation type: Basic Select Basic installation type to install the SQL Server Database Engine feature with default configuration. Select Custom installation type to step through the SQL Server installation type in installatin installation type in installat	
3. Zaakceptować wersję angielską oprogramowania (niestety nie ma wersji polskiej). Program zaproponuje folder tymczasowy dla pobieranego pliku oraz sprawdzi ilość dostępnego miejsca na dysku. Po kliknięciu na przycisk <b>Install</b> rozpocznie się pobieranie pliku instalacyjnego.	SQL Server 2019 Express Edition Specify SQL Server media download target location MEDIA LOCATION (SQL 2019 MINIMUM REES SPACE 6578 MB DOWNLOAD SIZE 266 MB Close Previous Intall (Location) (SQL 2019 (SQL 2019) (SQL 2019)	

	Ma	
właściwa instalacja serwera. Na pierwszej	Planning	New SQL Server stand-alone installation or add features to an existing installation
planszy należy kliknąć pierwszą opcję:	Installation	Launch a wizard to install SQL Server 2019 in a non-clustered environment or to add features to an existing SQL Server 2019 instance.
New SQL Server stand-alone installation	Maintenance	Install SQL Server Reporting Services
or add features to an existing installation.	Tools Resources	Launch a download page that provides a link to install SQL Server Reporting Services. An internet connection is required to install SSRS.
	Options	<ul> <li>Install SQL Server Management Tools</li> <li>Launch a download page that provides a link to install SQL Server Management Studio, SQL Server command-line utilities (SQLCMD and BCP), SQL Server PowerShell provider, SQL Server Profiler and Database Tuning Advisor. An internet connection is required to install these tools.</li> <li>Install SQL Server Data Tools</li> <li>Launch a download page that provides a link to install SQL Server Data Tools (SSDT). SSDT provides</li> </ul>
	Microsoft SQL Server 2019	Visual Studio integration including project system support for Microsoft Azure SQL Database, the SQL Server Database Engine, Reporting Services, Analysis Services and Integration Services. An internet connection is required to install SSDT. Upgrade from a previous version of SQL Server Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2019. Click here to first view Upgrade Documentation
5. Następnie należy przeczytać i zaakceptować umowę licencyjną.	CL Server 2019 Setup License Terms To install SQL Server 2019, you	must accept the Microsoft Software License Terms.
	License Terms Global Rules Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Feature Configuration Rules Installation Progress Complete	RECOVERING DAMAGES DESPITE THE PRECEDING DISCLAIMER OF WARRANTY, YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIEBS ONLY DIRECT DAMAGES UP TO U.S. So. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT, OR INCIDENTAL DAMAGES. This limitation applies to (a) anything related to the software, services, content (including code) on third party Internet sites, or third party applications; and (b) claims for breach of contract, warranty, guarantee, or condition; strict liability, negligence, or other tort; or any other claim; in each case to the extent permitted by applicable law. It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your state, province, or country may not allow the exclusion or limitation of incidental, consequential, or other damages.
	(	Isocrept the license terms and Privacy Statement     SQL Server 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 data processing and privacy controls, and to turn     off the collection of this information after installation, see the <u>documentation</u> .
		< Back Next > Cancel
6. Po zaakceptowaniu licencji program instalacyjny rozpocznie sprawdzanie, czy system Windows posiada zainstalowane wymagane składniki i aktualizacje, niezbędne do zainstalowania serwera. Jeżeli jakiś test nie zakończy się sukcesem, należy zainstalować lub aktualizować brakujący składnik lub zrestartować system. Ostrzeżenie dotyczące zapory należy zignorować, problem ten zostanie rozwiązany podczas konfigurowania serwera do pracy w sieci. Proces instalacji należy kontynuować wciskając <b>Next</b> .	SQL Server 2019 Setup  Install Rules Setup rules identify potentia can continue.  Install Rules Feature Selection Feature Rules Instance Configuration Java Install Location Server Configuration Database Engine Configuration Consent to install Microsoft R Consent to install Microsoft R Consent to install Microsoft R Complete	I problems that might occur while running Setup. Failures must be corrected before Setup  Operation completed. Passed: 3. Failed 0. Warning 1. Skipped 0.  Hide details <<  Re-run  View detailed report   Re-run  View detailed report   Re-run  View detailed romain controller  Passed  Consistency validation for SQL Server registry keys Passed  Computer domain controller  Passed  Vindows Firewall  SQL 2019 minimum CTP for Upgrade and Side by Side Support  Passed  Output  Details  Details
		< Back Next > Cancel

7. Na kolejnej planszy należy wskazać składniki serwera, które mają zostać zainstalowane. Można zostawić standardowo zaznaczone składniki. Minimalny zestaw wymaganych składników to: Database Engine Services, Client Tools Connectivity, Client Tools Backward Compatibility.	SQL Server 2019 Setup Feature Selection Select the Express features to i Install Rules Feature Selection Feature Rules Instance Configuration Java Install Location Server Configuration Database Engine Configuration Consent to install Microsoft R Consent to install Python Feature Configuration Rules Installation Progress Complete	Install.	
		Shared restare directory (200).	
			< <u>B</u> ack <u>N</u> ext > Cancel
8. Plansza <b>Instance Configuration</b> pozwala wprowadzić nazwę serwera w sieci. Jeżeli na komputerze zainstalowany jest tylko jeden serwer (jedna instancja) to można zostawić nazwę SQLEXPRESS.	SQL Server 2019 Setup	ID for the instance of SQL Server. Instance ID becomes part	erver\MSSQL15.SQLEXPRESS
			< <u>B</u> ack <u>N</u> ext > Cancel
9. Na planszy Java Install Location można zostawić zaznaczoną opcję Install Open JRE 11.0.3 included with this installation.	SQL Server 2019 Setup Java Install Location Specify Java installed location Install Rules Feature Selection Feature Rules Instance Configuration Java Install Location Server Configuration Database Engine Configuration Consent to install Python Feature Configuration Rules Installation Progress Complete	Some selected features require a local installation of a JDK included with this installation, or you can download and in installed location here. For information on Azul Zulu OpenJDK third party licensing linkid=2097167. Included with this installation 2 provide the location of a different version that has been JDK or JRE installed location:	or JRE. Zulu Open JRE version 11.0.3 is stall a different JDK or JRE and provide that g, see https://go.microsoft.com/fwlink/?
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10. Na pianwszaj zakładca konfiguracji sonyora				
10. Na pierwszej zakładce konfiguracji serwera program podaje konta dla usług. Nie należy	SQL Server 2019 Setup	- L ×		
ich zmieniać. Zaleca się zmienić tylko typ	Server Configuration			
uruchomienia usługi SQL Server	Specify the service accounts and collation configuration.			
Browser (Startup Type) na Automatic.	Install Rules Service Accounts Collation			
	Feature Selection  Feature Rules  Microsoft recommends that you use a separate acco	ount for each SQL Server service.		
	Instance Configuration Service Account Nar	ne Password Startup Type		
	Java Install Location SQL Server Database Engine NT Service\M Server Configuration SQL Server Launchpad NT Service\M	SSQLSERVER Automatic ~		
	Database Engine Configuration SQL Full-text Filter Daemon Launc NT Service\M	SSQLFDLauncher Manual		
	Consent to install Microsoft R SQL Server Browser NT AUTHORIT	Y\LOCALSERVICE Automatic ~		
	Feature Configuration Rules Grant Perform Volume Maintenance Task privileg	e to SQL Server Database Engine Service		
	Installation Progress This privilege enables instant file initialization by Complete to information disclosure by allowing deleted corrections of the second secon	avoiding zeroing of data pages. This may lead itent to be accessed.		
	Click here for details			
		< Back Nevt > Cancel		
		- Jack Hert - Concer		
11. Na drugiej zakładce konfiguracji serwera				
należy sprawdzić, czy jezykiem domyślnym	👸 SQL Server 2019 Setup	- 🗆 X		
baz danych serwera jest język	Server Configuration			
polski <b>Polish_CI_As.</b> Ustawienie to pozwoli	Specify the service accounts and collation configuration.			
ustawieniem <b>Polish CI As.</b> czyli z polskimi	Install Rules Service Account Collation			
regułami sortowania i porównywania danych.	Feature Selection Database Engine			
	Feature Rules Instance Configuration Polish CLAS	Customize		
	Java Install Location Polish, case-insensitive, accent-sensitive, kanatype-	nsensitive, width-insensitive		
	Server Configuration			
	Consent to install Microsoft R			
	Consent to install Python			
	Feature Configuration Rules			
	Complete			
		< Back Next > Cancel		
		ii.		
12. Na planszy konfiguracji silnika bazy	SQL Server 2019 Setup	- 🗆 X		
danych (Database Engine Configuration)	Database Engine Configuration			
w zakladce Server Configuration nalezy	Specify Database Engine authentication security mode, administrators, data directories, parallelism, Memory limits, and Filestream settings.	TempDB, Max degree of		
ustawic uwierzytelnianie logowania:	Install Rules			
Mixed mode (SQL Server authentication	Feature Selection	feaths Database Facing		
and Windows authentication) i	Feature Rules Specify the authentication mode and administrators	for the Database Engine.		
wprowadzić dwukrotnie hasło	Java Install Location O Windows authentication mode			
administratora serwera (użytkownik o	Server Configuration	dows authentication)		
nazwie sa). Hasło należy zapamiętać,	Database Engine Configuration Consent to install Microsoft R Specify the password for the SQL Server system adm	inistrator (sa) account.		
będzie potrzebne przy logowaniu do	Consent to install Python Enter password:			
serwera. Ustawienie Mixed mode	Feature Configuration Rules Installation Progress			
pozwoli w przyszłości logować się do	Complete Specify SQL Server administrators			
serwera z uwierzytelnianiem Windows	SFL001359\k_swider (k_swider)	SQL Server administrators have		
lub uwierzytelnianiem SQL Server.		Engine.		
	Add Current User Add Remove			
		< Back Next > Cancel		
		dancer dancer		

13. Na planszy <b>Consent to install</b>	🐮 SQL Server 2019 Setup — 🗆 🗙		
Microsoft R Open należy zaakceptować	Consent to install Microsoft R Open		
pobranie i instalację Microsoft R Open.	Download and install necessary pre-requisite.		
	Install Rules         Feature Selection         Feature Selection         Feature Rules         Install Configuration         Java Install Location         Server Configuration         Database Engine Configuration         Database Engine Configuration         Consent to install Microsoft R.         Consent to install Microsoft R.         Consent to install Python         Feature Configuration Progress         Complete		
	Accept  Accept  Accept  Cancel		
14. Na planszy <b>Consent to install Python</b> należy zaakceptować pobranie i instalację dystrybucji języka Python.	SQL Server 2019 Setup  Consent to install Python Download and install necessary pre-requisite.  Install Rules Feature Selection Feature Rules Instance Configuration Java Install Locatio Server Configuration Consent to install Microsoft R Consent to Install Python Feature Configuration Consent to Install Microsoft R Consent to Install Python Feature Configuration Consent to Install Microsoft R Consent to Install Python Feature Configuration Consent to Install Python Feature Configuration Consent to Install Microsoft R Consent for Install Python Feature Configuration Consent to Install Microsoft R Consent to Install Python Feature Configuration Consent to Install Python Feature Feature Configuration Consent to Install Python Feature Feature Configuration Consent Configuration Consent Configuration Consent Configuration Feature F		
15. Jeżeli instalacja zakończy się sukcesem wyświetlona zostanie plansza <b>Install</b> successfull.	SQL Server 2019 Setup  Complete  Your SQL Server 2019 installation completed successfully with product updates.  Install Rules Feature Selection Feature Rules Information about the Setup operation or possible next steps:  Feature Status Other Status Soll Server Replication Server Configuration Database Engine Configuration Consent to install Microsoft R Consent to install Python Feature Configuration Rules Installation Progress Complete  Succeaded Succeade Succeaded Succeade		

16. Powrócić do planszy SQL Server	to SQL Server Installation Center	- 0 X
Installation Center i wybrać pozycję SQL Server Management Tools w celu pobrania SQL Server Management studio – narzędzia do zarządzania bazą oraz do pracy z językiem SQL. Po pobraniu pliku należy uruchomić instalację.	Planning Installation Maintenance Tools Resources Options Microsoft SQL Server 2019	<ul> <li>New SQL Server stand-alone installation or add features to an existing installation         Launch a wizard to install SQL Server 2019 in a non-clustered environment or to add features to an         existing SQL Server 2019 instance.     </li> <li>Install SQL Server Reporting Services         Launch a download page that provides a link to install SQL Server Reporting Services. An internet         connection is required to install SSRS.     </li> <li>Install SQL Server Management Tools         Launch a download page that provides a link to install SQL Server Management Studio, SQL         Server Command-line utilities (SQLCMM and BCP), SQL Server PowerShell provider, SQL Server         Profiler and Database Tuning Advisor. An internet connection is required to install these tools.     </li> <li>Install SQL Server Data Tools         Launch a download page that provides a link to install SQL Server Data Tools (SSDT), SSDT provides         Visual Studio integration including project system support for Microsoft Azure SQL Database, the         SQL Server Database Engine, Reporting Services, Analysis Services and Integration Services. An         internet connection is required to install SSDT.     </li> <li>Upgrade from a previous version of SQL Server         Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2019.         Click here to first view Upgrade Documentation     </li> </ul>
16. Zamknąć SQL Server Installation Center.	SQL Server Installation Center Planning Installation Maintenance Tools Resources Options Options Microsoft SQL Server 2019	<ul> <li>Lauch a wizard to install SQL Server 2019 in a non-clustered environment or to add features to an existing SQL Server 2019 instance.</li> <li>Install SQL Server Reporting Services</li> <li>Lauch a download page that provides a link to install SQL Server Reporting Services. An internet connection is required to install SSRs.</li> <li>Install SQL Server Management Tools</li> <li>Lauch a download page that provides a link to install SQL Server Management Studio, SQL Server PowerShell provider, SQL Server Profiler and Database Tuning Advisor. An internet connection is required to install these tools.</li> <li>Install SQL Server Data Tools</li> <li>Lauch a download page that provides a link to install SQL Server Data Tools (SSDT). SSDT provides Visu Server Database Engine. Reporting Services. Analysis Services and Integration Services. An internet connection is required to install SSDT.</li> <li>Upgrade from a previous version of SQL Server</li> <li>Lauch a wizard to upgrade a previous version of SQL Server to SQL Server 2019. Click here to first view Upgrade Documentation</li> </ul>