At Intelicode we want to provide the best user experience possible. To minimize customer wait time and prevent an increased load on our customer support team we are providing a complete SQL Server installation walkthrough document. SQL Server is utilized as our shared database solution. We provide this document as a courtesy to our customers to illustrate how to implement Microsoft SQL Server.

As SQL Server is a Microsoft product and not an Intelicode product there will be additional charges for SQL Server support. If after consulting this document you are still having issues, you can:

1. Contact Intelicode support. SQL Server installations performed by Intelicode staff or walked through by an Intelicode staff member will be billable. Advanced SQL Server troubleshooting and connectivity issues will also be billable. Current rates are available by contacting Intelicode at 800-786-4231.

2. Contact Microsoft at <u>http://support.microsoft.com/kb/319726</u> for assistance. Microsoft support is fee based.

3. Consult with your IT staff or an IT consultant for options.

SQL Server installation directions are as follows:

After you have successfully installed Intelicode you may begin the instillation of Microsoft SQL Server Express 2014. Go to <u>https://www.microsoft.com/en-us/download/details.aspx?id=42299</u> and click "*DOWNLOAD*".

Select Language: English ~ Download	Microsoft® SC	QL Server® 2014 Express	S	
	Select Language:	English	Download	

Look for "*ExpressAndTools 32BIT**SQLEXPRWT_x86_ENU.exe*", click the check box and then press the "*NEXT*" button on the bottom right and the download will begin. It's a large file so let it completely download.

	File Name	Size	
2	ExpressAndTools 32BIT/SQLEXPRINT_x86_ENU.exe	540.8 MB	Download Summary: 1. ExpressAndTools 328/T/SCLEXPRWT_x86_ENU.exe
3	ExpressiondYools 64807;SQLEXPROVT_x64_EP40.xxe	833.2 MB	
2	LocaID8 335IT/Sql.ocaID8-mai	36.6 MB	
3	LocalDB 648ITI.5qLocalD6.msi	43.1 ME	· · · · · · · · · · · · · · · · · · ·
-	MgmtShudio 328IT\SQLManagementShudio_x86_EN4J.exe	673.0 MB	
3	MgmtStudio 648/T/SQLManagementStudio_v64,£NiU.exe	683.9 MB	Total Size: 840.8 M8

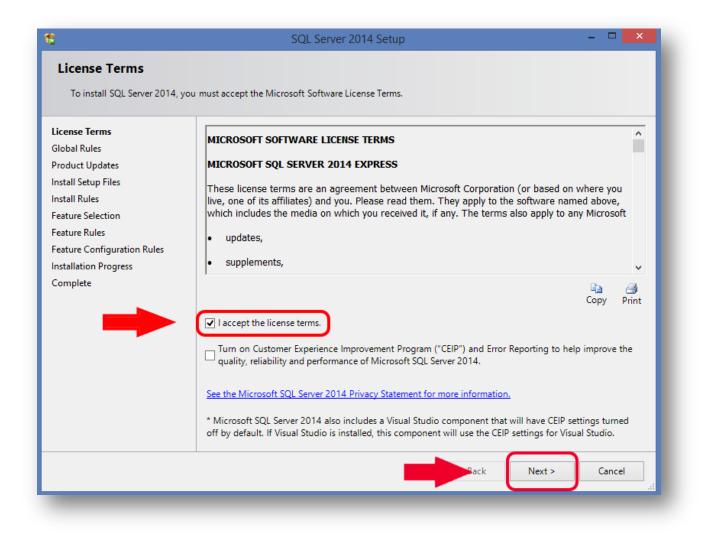
Find the downloaded file and double click it. Choose the directory you wish to install SQL Server in when the prompt comes up (default is recommended). Click the "*OK*" button and allow the program to run.

	Choose Directory For Extracted Files
SQLEXPRWT_ x86_ENU.exe	Choose Directory For Extracted Files C:\Users\VM8\Desktop\SQLEXPRWT_x86_ENU\ Ok Cancel Browse

Click "New SQL Server stand-alone installation or add features to an existing installation".

3	SQL Server Installation Center –
Planning Installation	New SQL Server stand-alone installation or add features to an existing installation Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add features to an existing SQL Server 2014 instance.
Maintenance Tools Resources	Upgrade from SQL Server 2005, SQL Server 2008, SQL Server 2008 R2 or SQL Server 2012 Launch a wizard to upgrade SQL Server 2005, SQL Server 2008, SQL Server 2008 R2 or SQL Server 2012 to SQL Server 2014.
Options	

License Terms – click the check box "*I accept the license terms*" (it's optional to turn on CEIP, not recommended). Then click "*NEXT*".



It will check for any potential problems that may pop up during instillation then click "NEXT".

1	SQL Server 2014 Setup	×
Product Updates		
Always install the latest upda	ates to enhance your SQL Server security and performance.	
License Terms Global Rules	✓ Include SQL Server product updates	
Product Updates	Checking for updates	
Install Setup Files Install Rules		Skip Scan
Feature Selection		
Feature Rules		
Feature Configuration Rules		
Installation Progress Complete		
Complete		
	Read our privacy statement online	
	Learn more about SQL Server product updates	
	< Back Next >	Cancel

It will ask which features to install. Unless you are instructed to change anything, just click "NEXT".

Feature Selection Select the Express features to install. License Terms Global Rules Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Server Configuration Feature Configuration Feature Configuration Feature Configuration Server Configuration Server Configuration Server Configuration Redistributable Features SQL Client Tools Connectivity SDK Redistributable Features SQL Client Connectivity SDK Redistributable Features SQL Client Connectivity SDK Redistributable Features Drive C: 2359 MB required, 43339 MB a Drive C: 2359 MB required, 43339 MB a	
Global Rules Instance Configuration Product Updates Instance Features Install Setup Files Instance Features Install Rules Instance Features Feature Selection Instance Configuration Server Configuration Client Tools SDK Instance Configuration Management Tools - Basic SQL Client Connectivity SDK Management Tools - Complete SQL Client Connectivity SDK Disk Space Requirements Disk Space Requirements Disk Space Requirements Drive C: 2359 MB required, 43339 MB a	
	ce is es. SQL ide on v
Instance root directory: C:\Program Files (x86)\Microsoft SQL Server\ Shared feature directory: C:\Program Files\Microsoft SQL Server\ Shared feature directory (x86): C:\Program Files (x86)\Microsoft SQL Server\	····

It will ask you to name the instance of SQL. You can change it but we recommend you leave it as SQLExpress and click "*NEXT*".

5	:	SQL Server 2014	Setup		- 🗆 🗙
Instance Configuratio	n				
Specify the name and instanc	e ID for the instance of S	QL Server. Instance	ID becomes part of ti	ne installation path.	
License Terms	O Default instance				
Global Rules	Named instance:	SQLExpress			
Product Updates					
Install Setup Files Install Rules					
Install Rules Feature Selection	Instance ID:	SQLEXPRESS			
Feature Rules					
Instance Configuration	SQL Server directory:	C:\Program Files (:	x86)\Microsoft SQL S	erver\MSSQL12.SQLE	XPRESS
Server Configuration	Installed instances:				
Database Engine Configuration	Instance Name	Instance ID	Features	Edition	Version
Feature Configuration Rules	Instance Name	instance iD	reatures	Edition	version
Installation Progress Complete					
complete					
			_		
				•	
			< Back	Next > Can	cel Help

Unless you are instructed to change anything, leave the Server Configuration as is and click "NEXT".

1	SQL Server 2	2014 Setup			×
Server Configuration					
Specify the service accounts an	d collation configuration.				
License Terms	Service Accounts Collation				
Global Rules Product Updates	Microsoft recommends that you	use a separate account for each	SQL Server serv	ice.	
Install Setup Files	Service	Account Name	Password	Startup Type	
Install Rules	SQL Server Database Engine	NT Service\MSSQL\$SQL		Automatic	~
Feature Selection	SQL Server Browser	NT AUTHORITY\LOCAL		Disabled	~
Feature Rules					
Instance Configuration					
Server Configuration					
Database Engine Configuration					
Feature Configuration Rules					
Installation Progress					
Complete					
		-			
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		< Back Next	> Can	cel Help	o

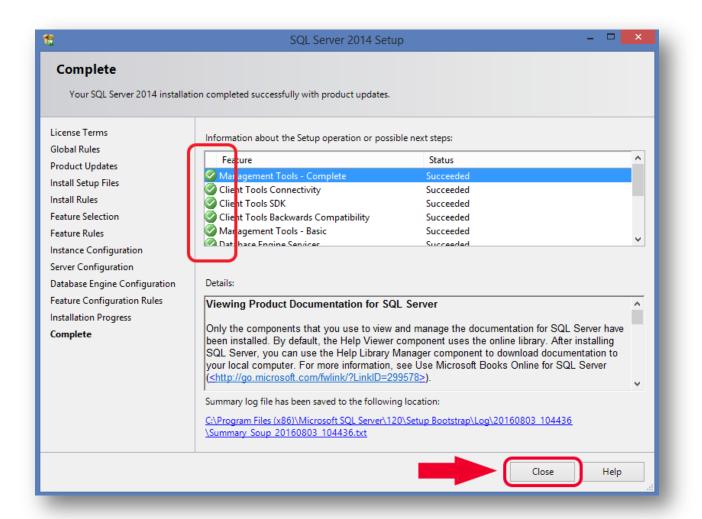
We recommend you use Windows Authentication instead of Mixed Mode, click "NEXT".

18	SQL Server 2014 Setup – 🗖 🗙
Database Engine Confi Specify Database Engine auther	guration ntication security mode, administrators and data directories.
License Terms Global Rules Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress	Server Configuration Data Directories User Instances 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
Complete	VM8 (VM8) SQL Server administrators have unrestricted access to the Database Engine. Add Current User Add
	< Back Next > Cancel Help

Allow the program to install. This may take a few minutes.

1	SQL Server 2014 Setup	- 🗆	×
Installation Progress			
License Terms Global Rules Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Install_sqlls_Cpu64_Action : WriteRegistryValues. Writing system registry values		
	Next > Cancel	Help	>

A window titled "*complete*" will show you everything that was installed. If everything has a green check next to it, it was a successful instillation! Click "*CLOSE*". Then click the red X at the top right to close the SQL Installation Center window.



By default there is no icon specifically for the desktop. To have one, click the windows start button, click in the search bar, and type in *SQL Server 2014 Management Studio*. Once you find it, create a desktop (or equally accessible) shortcut. Double click the newly created icon to open Management Studio.



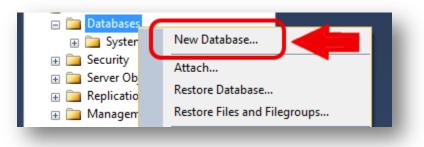
When the "*Connect to Server*" prompt pops up, enter your server name OR click the dropdown arrow on "*server name*". Click "*<browse for more>*", select which kind of server you use.

€.	Connect to Server	×
Microsoft S	SQL Server 2014	
Server type:	Database Engine	
Server name:	WINDOWS8VM	
Authentication:	WINDOWS8VM	9
User	<browse for="" more=""></browse>	
Password:		
	Remember password	
Conne	ect Cancel Help	Options >>

Click the little "+" next to Database Engine and find your user profile name. Click it and click "*OK*". Then once on the main login screen again, click "*connect*".

2	Browse for Servers
	Local Servers Network Servers
	Select the server to connect to:
	OK Cancel Help

If everything was successful, you should see your server folders on the left side of your screen! If not, an error dialog will pop up. Right click on "*Databases*" and click "*New Database*". Name it "*Office*" and click "*OK*". If everything was successful, you should see a folder named "*office*"! If not, an error dialog will pop up. Repeat the process, only this time name the folder "*Provided*".



5		New	Database		- • ×
Select a page	🔄 Script 🔻 📭	Help			
Poptions Filegroups	Database name:	:	Office		
	Owner:		<default></default>		
	✔ Use full-text in	ndexing			
	Database files:				
	Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth / Maxsize
	Office	ROWS	PRIMARY	3	By 1 MB, Unlimited
	Office_log	LOG	Not Applicable	1	By 10 percent, Unlimited
Connection					
Server: SQLEXPRESS					
Connection: VM8					
View connection properties					
Progress					
Ready	<			Add	> Remove
					OK Cancel

Now you need to run the SQL scripts to make everything work! The SQL Scripts can be obtained from the Intelicode program itself. Open Intelicode. Since you are not connected to a database, you will be directed to the connection settings page. Enter your SQL server name. For office put "*Office*", and for provided put "*Provided*" Alternate names can be chosen but for the purpose of this documentation we will refer to them with the specified names. Click "*Generate SQL Script*" and select where to save the two scripts to. You may keep Intelicode open or close it once that step is completed.

Conne	ection Settings
	D
Server Address	Port (if blank, 1433 is assumed)
VM8\SQLEXPRESS	
Authentication	Office Database Name
○ Windows	Office
Usemame	Provided Database Name
	Provided
Password	
	Generate SQL Script
Cancel	ОК

Open SQL Server Management Studio and drag your *OFFICE* script to the middle of the Management Studio window. You should see a lot of code and above that you should see a button with an exclamation point followed by the word *EXECUTE*. Click the *EXECUTE* button.



If completed without error there should be a 'Messages' window displaying many instances of "(1 row(s) affected) and the final summary of 100% 'Query executed successfully'.

(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)
100 % 🔹 <
Query executed successfully.

Close the "office" tab and repeat the process with your PROVIDED script. If completed successfully, it should do the same.

Close SQL Server Management Studio and open Intelicode. If not already at connection settings, click "Options > Administrator Panel". If it asks you to create an Admin Password, do so and remember the password. In order for us to be able to reset your password should you lose or forget it, you will be charged \$50. Once in the Administrator Panel, click "File > Connection settings".

Once in the connection settings window, enter the server name. It should be the same as your SQL Server name. Enter *Office* in the office space and *Provided* in the provided space, select the correct authentication that you chose whilst installing the SQL (SQL or Windows). Press "*OK*".

Connection Settings		
	۵	
Server Address		
VM8\SQLEXPRESS	Port (if blank, 1433 is assumed)	
THE ISGLE AT THE SO		
Authentication	Office Database Name	
○ Windows ● SQL Server	Office	
Usemame	Provided Database Name	
	Provided	
Password		
	Generate SQL Script	
Cancel	ОК	

If everything was successful, you will be taken to the login screen and you are now ready to begin using Intelicode!

7	Login		×
Options			D
Welcon	ne to Intelicode. Plea	ase log in.	
User Name	Auditor, A		¥
Password			
Cancel]	ОК	
Association. Al	copyright 2015, Ame I Rights Reserved. C the American Medic	PT is a regist	ered

Intelicode is **not** responsible for the security policies or backups of any customer's SQL Server installations. Backups are recommended and should be conducted based on the customer's internal data retention policies. Data security is the responsibility of the customer, and if in doubt, a 3rd party security consulting service should be contacted.

It is estimated that you can store approximately 100,000 Intelicode audits per 1GB of disk space on the SQL Server instance. Actual usage may vary, and this figure is provided as a general guideline.

If you fail to connect, please verify the following:

1. Make sure there are tables in the Office and Provided databases. Running the scripts should have populated them.

2. Make sure your SQL Server TCP listening port (1433 by default) is not being blocked by a firewall.

3. If you are using Windows authentication, make sure the user attempting to connect is logged into the same domain as the server.

4. Verify the permissions for the databases on the SQL Server.

5. Restart the SQL Server Service from the Configuration Manager or from the Windows Services control panel in case a change made has not yet taken affect.