**New Developer Setup**



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**SSMS (Latest release)** [Get SQL Server Management Studio](https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-2017) **Done**

**NodeJs** [Download and Install node.js](https://nodejs.org/en/)  – current is 14.17.3, **Done**

**Docker (for container based development and deployment)**

[Docker Installation instructions and package](https://store.docker.com/editions/community/docker-ce-desktop-windows) **Done**

**Visual Studio Code** [Download and install Visual Studio Code](https://visualstudio.microsoft.com/downloads/)  **Done**

**Connection for** [**Reed Tech Production TFS**](https://tfsprod.reedtech.com/tfs/reedtech) **(Code Store):**

**Connection for** [**ReedTech custom packages**](https://tfsprod.reedtech.com/tfs/reedtech/_packaging/ReedTech/nuget/v3/index.json) **(NuGet):**

**New Developer Workstation Setup for Life Sciences Team**

**Application Installs:**

**Visual Studio 2019 Professional:**  
Download and install (<https://visualstudio.microsoft.com/downloads/> )

Create a support ticket with [Service Now](https://reedelsevier.service-now.com/reed/?id=sc_cat_item&sys_id=962b5b791b99bf842372ece03d4bcb47&sysparm_category=3d1cf808dbd763c4d2cbf2f9af9619cd)  for VS 2019 Professional, once the request is completed use your legal credentials to log into visual studio once its installed.  
**Workloads**

*  .NET desktop development
*  [ASP.NET](http://asp.net/)  and web development
*  Azure development
*  Node.js development
*  Data storage and processing
*  .NET Core cross-platform development

**Be sure these components are installed**

***.NET***

*  .NET Core runtime
*  .NET Framework 4 targeting pack
*  .NET Framework 4.5 targeting pack
*  .NET Framework 4.5.1 targeting pack
*  .NET Framework 4.5.2 targeting pack
*  .NET Framework 4.6 targeting pack
*  .NET Framework 4.6.1 SDK
*  .NET Framework 4.6.1 targeting pack
*  .NET Framework 4.6.2 SDK
*  .NET Framework 4.6.2 targeting pack
*  .NET Framework 4.7 SDK
*  .NET Framework 4.7 targeting pack
*  .NET Framework 4.7.1 SDK
*  .NET Framework 4.7.1 targeting pack
*  .NET Native
*  .NET Portable Library targeting pack
*  Advanced [ASP.NET](http://asp.net/)  features

***Cloud, database, and server***

*  Azure Authoring Tools
*  Azure Cloud Services build tools
*  Azure Cloud Services core tools
*  Azure Compute Emulator
*  Azure Data Lake and Stream Analytics Tools
*  Azure development prerequisites
*  Azure libraries for .NET
*  Azure Mobile Apps SDK
*  Azure Resource Manager core tools
*  Azure Storage AzCopy
*  Azure Storage Emulator
*  Cloud Explorer
*  CLR data types for SQL Server
*  Connectivity and publishing tools
*  Container development tools
*  Container development tools - Build Tools
*  Data sources and service references
*  Data sources for SQL Server support
*  IIS Express
*  Microsoft Azure WebJobs Tools
*  Service Fabric Tools
*  SQL ADAL runtime
*  SQL Server Command Line Utilities
*  SQL Server Data Tools
*  SQL Server Express 2016 LocalDB
*  SQL Server Native Client
*  Web Deploy

***Code tools***

*  Class Designer
*  ClickOnce Publishing
*  Code Clone
*  Code Map
*  Developer Analytics tools
*  DGML editor
*  Git for Windows
*  Help Viewer
*  LINQ to SQL tools
*  Live Dependency Validation
*  NuGet package manager
*  Static analysis tools
*  Text Template Transformation

***Compilers, build tools, and runtimes***

*  C# and Visual Basic Roslyn compilers
*  MSBuild
*  Python 3 64-bit (3.6.5)

***Debugging and testing***

*  .NET profiling tools
*  IntelliTrace
*  JavaScript diagnostics
*  Just-In-Time debugger
*  Microsoft Test Manager
*  Snapshot Debugger
*  Testing tools core features
*  Web performance and load testing tools

***Development activities***

*  [ASP.NET](http://asp.net/)  and web development tools
*  C# and Visual Basic
*  Cookiecutter template support
*  JavaScript and TypeScript language support
*  JavaScript ProjectSystem and Shared Tooling
*  Live Unit Testing
*  Mobile development with JavaScript core features
*  Node.js support
*  Python language support
*  Python web support
*  Razor Language Services
*  Visual Studio Tools for Office (VSTO)
*  Windows Communication Foundation
*  Windows Workflow Foundation
*  Xamarin
*  Xamarin Profiler
*  Xamarin Remoted Simulator
*  Xamarin Workbooks

***SDKs, libraries, and frameworks***

*  Anaconda3 64-bit (5.1.0)
*  Cordova 6.3.1 toolset
*  Entity Framework 6 tools
*  Java SE Development Kit (8.0.1120.15)
*  TypeScript 2.3 SDK
*  TypeScript 2.5 SDK
*  TypeScript 2.6 SDK
*  TypeScript 2.7 SDK
*  TypeScript 2.8 SDK
*  Windows 10 SDK (10.0.16299.0) for UWP: C#, VB, JS
*  Windows 10 SDK (10.0.17134.0)

***Uncategorized***

*  GitHub Extension for Visual Studio
*  Master Data Maestro SDK Workflow Tools
*  Microsoft Analysis Services Projects
*  Microsoft BI Shared Components for Visual Studio
*  Microsoft Reporting Services Projects
*  OData Connected Service
*  PowerShell Tools for Visual Studio 2017
*  Redgate SQL Change Automation Core
*  SQL Prompt Core
*  SQL Search

**SSMS (Latest release)**  
[Get SQL Server Management Studio](https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-2017)

**NodeJs**  
[Download and Install node.js](https://nodejs.org/en/)  – current is 8.11.3

**Docker (for container based development and deployment)**  
[Docker Installation instructions and package](https://store.docker.com/editions/community/docker-ce-desktop-windows)

**Visual Studio Code**  
*Unnecessary if you already have Visual Studio, but interesting if you want to look at it.*

* [Download and install Visual Studio Code](https://visualstudio.microsoft.com/downloads/)
* Add Command for CMD at terminal window to be able to run NodeJS Commands from Terminal in Visual Studio Code

**Connection for Reed Tech Production TFS (Code Store):**  
<https://tfsprod.reedtech.com/tfs/reedtech>

**Connection for ReedTech custom packages (NuGet):**  
<https://tfsprod.reedtech.com/tfs/reedtech/_packaging/ReedTech/nuget/v3/index.json>

***For TFSC***

* Create Folder on <C>:\ Drive, map root of TFS to Folder
* Map specific TFS Code Stores and GET LATEST on entire directory structure for solution(s) needed.

***For git, follow instructions here***

* [Using Git with Visual Studio](https://tfsprod.reedtech.com/tfs/ReedTech/ReedTech/_wiki/wikis/ReedTech.wiki?wikiVersion=GBwikiMaster&pagePath=%2FReed%20Tech%20Developer%20Wiki%2FTechnology%20Wikis%2Fgit%2FUsing%20Git%20with%20Visual%20Studio)

**Redgate SQL Search**

* This has been approved by Don/Team.  
  [Install SQL Search](http://www.red-gate.com/products/sql-development/sql-search/) .

**Visual Studio Settings (Base Default Environment Settings)**  
*Note: This is a sample for now*  
[vs2017Enterprise.CurrentSettings.zip](https://tfsprod.reedtech.com/tfs/ReedTech/c81424e9-cee7-459e-ac5a-c7d20cb4ea09/_apis/git/repositories/803c21fb-03dd-45af-8f19-bf7f1d4f1cf8/Items?path=%2F.attachments%2Fvs2017Enterprise.CurrentSettings-18c8961e-95b8-40de-bdea-286901ef3422.zip&download=false&resolveLfs=true&%24format=octetStream&api-version=5.0-preview.1&sanitize=true&versionDescriptor.version=wikiMaster)

This should be moved to a separate page:

***Configure RDP Connections:***

1. Launch the registry editor.
2. Open or create the key HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\RSA\RSA Desktop\Local Authentication Settings.
3. Create a REG\_SZ value named RDCFileName and populate it with the fully qualified path to the application. For Remote Desktop Connection Manager, that would be C:\Program Files (x86)\Microsoft\Remote Desktop Connection Manager\RDCMan.exe  
         
   [Link to RDC Manager](https://www.microsoft.com/en-us/download/details.aspx?id=44989)   
   Installer can also be found under \\reedtech.com\Tech\Dev\_RND\qa\_test\TOOLS\Microsoft\RemoteDesktopConnectionManager\2.7

**Installing npm**

[Download installer for node.js and npm](https://nodejs.org/dist/v10.15.3/node-v10.15.3-x64.msi)

After installed, update with:

npm install npm -g

**Globally installing Angular (latest version)**

Visual Studio 2017 has older version template, like 4.5 or so. Update npm and node.js first. Create your new angular app as normal, drop to a command prompt as Administrator, navigate to the root folder of your solution, and:

npm install -g @angular/cli

**Oracle Client, Database Tools, Development Tools**

Oracle client 12.2.0.1, 32-bit (as of 6/20/2020)  
\\reedtech.com\Tech\Dev\_RND\qa\_test\COMMON

* Run setup.exe
* Choose Administrator installation for development
* Recommended Oracle base installation in common folder such as C:\Oracle
* You may "Allow Access" for Javascript during installation
* Remember to add a TNSNames.ora file in your installation under  
  [Oracle\_base]\product\12.2.0\client\_1\network\admin
  + You can create and use the environment variable "TNSADMIN" and point to a network TNNames.ora file, but a local file offers greater flexibility in adding new database aliases.

PL/SQL Developer:  
\\reedtech.com\Tech\Dev\_RND\qa\_test\TOOLS\PLSQL-Developer  
See [Patent Developer DB Environment Setup](https://tfsprod.reedtech.com/tfs/ReedTech/ReedTech/_wiki/wikis/ReedTech.wiki?pagePath=%2FReed%20Tech%20Developer%20Wiki%2FPatent%20Team%20Wikis%2FSoftware%2FPatent%20Developer%20DB%20Environment%20Setup&wikiVersion=GBwikiMaster&pageId=426)