# Monnit Enterprise 설치 메뉴얼

Made by OJS

### Server Manager - Dashboard

Server Manager 대시보드에서 Add roles and features 선택 IIS 6.0, SMTP 기능 활성화 (메일 발송 기능 이용시)

<b>B</b>	Serve	er Manager	_ <b>D</b> ×	Ē.	Add Roles and Features Wizard	_ <b>D</b> X
⋲ 🕞 🗸 🕠 Mashbo	bard	• ②   ┞ Manage Ioc	ols <u>V</u> iew <u>H</u> elp	Installation progre	ess	DESTINATION SERVER WIN-BNBTNDETGVJ
<ul> <li>Dashboard</li> <li>Local Server</li> <li>All Servers</li> <li>File and Storage Services ▷</li> <li>IIS</li> </ul>	QUICK START         WHAT'S NEW         LEARN MORE         ROLES AND SERVE         Roles: 2       Server group	VER MANAGER	server es manage o Hide	Before You Begin Installation Type Server Selection Server Roles Features Web Server Role (IIS) Role Services Confirmation Results	View installation progress  Feature installation Installation started on WIN-BNBTNDETGVJ  NET Framework 3.5 Features .NET Framework 3.5 (includes .NET 2.0 and 3.0)  NET Framework 4.5 Features ASP.NET 4.5  Remote Server Administration Tools Feature Administration Tools SMTP Server Web Server (IIS) Management Tools IIS 6 Management Compatibility  Vou can close this wizard without interrupting running tasks. View task page again by clicking Notifications in the command bar, and then Tas Export configuration settings <b>Previous</b> Next >	progress or open this ik Details.

## AspNet Mvc4 설치

#### 설치 언어에 따라 설치 버전의 종류가 다름 OS 언어와 일치 시켜야 함 마이크로소프트 웹상으로 다운로드 받아 설치 본 매뉴얼에서는 English 버전의 Server OS 와 ASP.NET Mvc 4 버전 설치를 예로 들었음

ASP.NET MVC 4 for Visual Studio 2010 SP1 and Visual Web Developer 2010 SP1

<i>Important!</i> Selecting a language below will dynamically change the complete page content to that language
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Soloct	Language	
Select	Language.	

English

¥

Download

ASP.NET MVC 4 provides a Model-View-Controller (MVC) framework for developing Web applications using Visual Studio 2010 SP1 or Visual Web Developer 2010 SP1.

## Java Runtime Library 설치

Enterprise 구동을 위한 필수 항목은 아니지만 향후 데이터 마이그레이션등의 작업을 진행할때 Mssql Server에서 필요로 하므로 설치해 둔다. 본 메뉴얼의 작성 시점의 최신버전인 jre-8u271 버전으로 설치하였다.

Java Setup - Progress 📃 🗖 🗙	
Java"	
Status: Installing Java	
java™ 25 Years	
#1 Development Platform ORACLE	

## SQLServer 설치 (1/6)

고객사에서 가용하고자 하는 SQL Server를 설치한다. 간혹 설치중 아래 메시지가 나타나는 경우는 OS와 SQL Server의 Language 차이로 발생하므로 제어판에서 언어를 변경하거나 SQL Server의 지원언어를 확인하여 재 다운로드 한다.



## SQLServer 설치 (2/6)

2020년 11월 기준 마이크로소프트 홈페이지에서 해당 OS별 다운로드 툴을 제공하고 있다. ISO 형태로 다운받아서 가상디스크에 마운트 하여 설치를 진행한다.

### SQL Server 2016 with SP2 ⊙ \_ × **Evaluation Edition** Downloading media... Downloading setup files... 907.611 MB / 2,832.646 MB 50.135 Mbps Getting Started with SQL Server Thank you for installing Microsoft SQL Server. If you are connecting to SQL Server from a remote machine, then you need to complete the prerequisites mentioned in the "Before you get started" file located in the Resources folder. Pause Cancel

13.1805.407

## SQLServer 설치 (3/6)

### 다운받은 SQL 설치프로그램을 실행한다. Installation - New SQL Server.... 를 선택하고 라이선스 키가 있다면 입력한다.

1	SQL Server Installation Center		SQL Server 2016 Setup	_ <b>D</b> X
Planning Installation Maintenance Tools Resources Advanced Options	SQL Server Installation Center         Image: SQL Server stand-alone installation or add features to an experiment to a wizard to install SQL Server 2016 in a non-clustered experiment to an existing SQL Server 2016 instance.         Image: SQL Server Management Tools         Launch a download page that provides a link to install SQL Server Studio, SQL Server command-line utilities (SQLCMD and BCP), provider, SQL Server command-line utilities (SQLCMD and BCP), provider, SQL Server Profiler and Database Tuning Advisor. An required to install these tools.         Image: Install SQL Server Data Tools         Launch a download page that provides a link to install SQL Server SQL Database, the SQL Server Database Engine, Reporting Server SQL Database, the SQL Server Database Engine, Reporting Server SQL Database, the SQL Server Database Engine, Reporting Server SQL Database, the SQL Server Database Engine, Reporting Server SQL Database, the SQL Server failover cluster installation         Launch a wizard to install a single-node SQL Server 2016 failower         Image: SQL Server failover cluster         Launch a wizard to add a node to an existing SQL Server 2016 failower         Image: SQL Server (Standalone) installation         Launch a wizard to upgrade a previous version of SQL Server to SQL Server to SQL Server (Standalone) installation	existing installation environment or to add over Management , SQL Server PowerShell internet connection is msupport for Azure ices, Analysis Services install SSDT. er cluster. failover cluster. o SQL Server 2016.	edition of SQL Server 2016 to install.  Validate this instance of SQL Server 2016 by entering the 25-charact of authenticity or product packaging. You can also specify a free edi Evaluation, or Express. Evaluation has the largest set of SQL Server f Books Online, and is activated with a 180-day expiration. Developer has the same set of features found in Evaluation, but is licensed for i development only. To upgrade from one installed edition to anothe s o Specify a free edition: Evaluation O Enter the product key: C	er key from the Microsoft certificate tion of SQL Server: Developer, aatures, as documented in SQL Server edition does not have an expiration, non-production database application r, run the Edition Upgrade Wizard.
Microsoft" SQL Server" 2016	typically used by data scientists as a standalone analysis server Services client.	r or as a SQL Server R	< Back	Cancel

## SQLServer 설치 (4/6)

### Database Engine Services 부분을 활성화 하고 진행한다.



## SQLServer 설치 (5/6)

### 적절한 암호를 설정하고 진행한다.

<b>5</b>	SQL Server 2016 Setup				
Database Engine Configuration					
Specify Database Engine auther	tication security mode, administrators, data directories and TempDB settings.				
Product Key	Server Configuration Data Directories TempDB FILESTREAM				
License Terms Global Rules	Specify the authentication mode and administrators for the Database Engine.				
Microsoft Update	Authentication Mode         O Windows authentication mode         Image: Mixed Mode (SQL Server authentication and Windows authentication)				
Product Updates					
Install Setup Files Install Rules					
Feature Selection	Specify the password for the SQL Server system administrator (sa) account.				
Feature Rules	Enter password:				
Instance Configuration PolyBase Configuration	Confirm password:				
Server Configuration	Specify SQL Server administrators				
Database Engine Configuration Consent to install Microsoft R Feature Configuration Rules Ready to Install Installation Progress	WIN-BNBTNDETGV/Administrator (Administrator)         SQL Server administrators have unrestricted access to the Database Engine.				
Complete	Add <u>C</u> urrent User <u>A</u> dd				
	< <u>B</u> ack <u>N</u> ext > Cancel				

## SQLServer 설치 (6/6)

#### 정상설치 여부를 확인하기위해 SQL Server Management Studio 를 설치한다.

		SQL Server Installation Center	x
Planning Installation	ŧ	New SQL Server stand-alone installation or add features to an existing installation Launch a wizard to install SQL Server 2016 in a non-clustered environment or to add features to an existing SQL Server 2016 instance.	^
Maintenance Fools Resources Advanced		Install SQL Server Management Tools 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.	
Options	K	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 Azure SQL Database, the SQL Server Database Engine, Reporting Services, Analysis Services and Integration Services. An internet connection is required to install SSDT.	
	Ŧ	New SQL Server failover cluster installation Launch a wizard to install a single-node SQL Server 2016 failover cluster.	=
	şî	Add node to a SQL Server failover cluster Launch a wizard to add a node to an existing SQL Server 2016 failover cluster.	
		Upgrade from a previous version of SQL Server Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2016.	
	Ŧ	New R Server (Standalone) installation Launch a wizard to install R Server (Standalone) on a Windows machine. This is	
		typically used by data scientists as a standalone analysis server or as a SQL Server R Services client.	
Microsoft" SQL Server" 2016			

### Download SQL Server Management Studio (SSMS)

Applies to:SQL Server (all supported versions)SQL DatabaseSQL DatabaseSQL Managed InstanceSqL Synapse Analytics

SQL Server Management Studio (SSMS) is an integrated environment for managing any SQL infrastructure, from SQL Server to Azure SQL Database. SSMS provides tools to configure, monitor, and administer instances of SQL Server and databases. Use SSMS to deploy, monitor, and upgrade the data-tier components used by your applications, and build queries and scripts.

Use SSMS to query, design, and manage your databases and data warehouses, wherever they are - on your local computer, or in the cloud.

#### **Download SSMS**

#### Download SQL Server Management Studio (SSMS)

SSMS 18.7.1 is the latest general availability (GA) version of SSMS. If you have a previous GA version of SSMS 18 installed, installing SSMS 18.7.1 upgrades it to 18.7.1.

Important

## SSMS를 이용한 정상 설치 확인

기본 관리자인 sa, server 설치시의 비밀번호를 입력 정상 작동 유무를 확인한다.

Microsoft SQL Server Manageme         File       Edit       View       Project       Tools       Win         Image: Comparison of the server manageme       Image: Comparison of the server manageme       Image: Comparison of the server manageme         Image: Comparison of the server manageme       Image: Comparison of the server manageme       Image: Comparison of the server manageme         Image: Comparison of the server manageme       Image: Comparison of the server manageme       Image: Comparison of the server manageme         Image: Comparison of the server manageme       Image: Comparison of the server manageme       Image: Comparison of the server manageme         Image: Comparison of the server manageme       Image: Comparison of the server manageme       Image: Comparison of the server manageme         Image: Comparison of the server manageme       Image: Comparison of the server manageme       Image: Comparison of the server manageme         Image: Comparison of the server manageme       Image: Comparison of the server manageme       Image: Comparison of the server manageme         Image: Comparison of the server manageme       Image: Comparison of the server manageme       Image: Comparison of the server manageme         Image: Comparison of the server manageme       Image: Comparison of the server manageme       Image: Comparison of the server manageme         Image: Comparison of the server manageme       Imageme       Imageme       Imageme       I	nt Studio (Administrator) dow Help lew Query 圓 盈 盈 盈 盈 ② 米 日 台   フ・ペ・ Execute = V 路 目 日 28 路 岬 昌 顕 品		<b>↓</b>	Quick Launch (Ctrl+Q)	P _ 0	×
Object Explorer    푸 포 × Connect • 북 객 = 후 ৫ ↔	çi	Connect to Server	X			
	Server type: Server name: Authentication: Login: Password:	Database Engine         WIN-BNBTNDETGVJ         SQL Server Authentication         sa	>           >           >			
		Connect Cancel Help	Options >>			

### Enterprise Set up (1/5)

기본 관리자인 sa, server 설치시의 비밀번호를 입력 정상 작동 유무를 확인한다. 노란색 느낌표가 녹색으로 바뀌면 설치가 가능해진다. 미비한 부분을 보강하여 진행한다.

0	×
	<b>MONNIT</b> ENTERPRISE ENTERPRISE SENSOR SOLUTIONS
	Welcome to the Enterprise Setup Utility
	Supported Operating System <ul> <li>Database Connection: Not Verified</li> <li>Internet Information Services (IIS 7+)</li> <li>ASP.NET MVC 4</li> <li>User Name</li> <li>Microsoft .Net Framework 4.5</li> <li>Password</li> <li>sean@2019</li> <li>Test Credentials</li> </ul> Begin Installation
	© 2009–2020 Monnit Corp. all rights reserved. Version: 4.0.1.6

### Enterprise Set up (2/5)

### Activation key를 입력한다.



### Enterprise Set up (3/5)

Activation key를 입력하고 Service를 생성한다.

0	X O
<b>MONNIT</b> ENTERPRISE ENTERPRISE SENSOR SOLUTIONS	<b>MONNIT</b> ENTERPRISE ENTERPRISE SENSOR SOLUTIONS
Enter Activation Key	Create Gateway Service
Activation Key: 1ae0b12-3842-4dfe-97d1-7f9d28a60385	Create Service Next
Activation key verified successfully.	Enterprise Wireless Gateway Service created successfully
	Back
© 2009–2020 Monnit Corp. all rights reserved.	© 2009–2020 Monnit Corp. all rights reserved.
Version: 4.0.1.6	Version: 4.0.1.6

### Enterprise Set up (4/5)

iis 6.0 설정에서 도메인 정보를 입력한다. 테스트 환경에서는 seantecs.co.kr로 임시로 설정하였다.

i 🕲 🛛 🛛 Ii	nternet Information Services (IIS) 6.0 Manage	r 🕒		0	
🐚 <u>F</u> ile <u>A</u> ction <u>V</u> iew <u>W</u> ine	dow <u>H</u> elp		_ 8 ×		
🗢 🄿 🖄 📰 🙆 🗟					
🛍 Internet Information Service	Domain Name	Туре			
▲ SU WIN-BNBTNDETGVJ (loc	📚 WIN-BNBTNDETGVJ	Local (Default)			
⊿ 🌤 [SMTP Virtual Server 😤 Domains 😰 Current Sessions	Seantecs.co.kr	Remote			
					Bac
1 Item					

	MON	<b>INIT</b> ENTER	PRISE
	ENTERP	RISE SENSOR SOL	UTIONS
	SMTF	Mail Server Set	up
:	SMTP Host:	seantecs.co.kr	0
1	Port:	25	0
	User:	administrator	0
1	Password:	sean@2019	0
	Use SSL:	False v	0
I	From Email Address:	jsoh@seantecs.co.kr	0
I	From Name:	Seantecs	0
I	Return Path:	jsoh@seantecs.co.kr	0
		Test Email Next	
Back		Email Sent Successfully	Skip
	© 20	MONNIT. 009–2020 Monnit Corp. all rights reserved	1.
		Version: 4.0.1.6	

### Enterprise Set up (5/5)

lis 설정정보 및 물리적 경로를 지정하고 Save 한뒤 다음단계로 넘어간다. 1단계에서 저장한 DB 정보를 입력하고 Create 버튼을 누른다.

0	
<b>MONNIT</b> <i>ENTERPRISE</i> ENTERPRISE SENSOR SOLUTIONS	MONNIT ENTERPRISE ENTERPRISE SENSOR SOLUTIONS
Database Connection and Testing	Database Connection and Testing
Server Name: WIN-BNBTNDETGVJ 2	Server Name: WIN-BNBTNDETGVJ
Database Name: Enterprise	Database Name: Enterprise
User Name: sa	User Name: sa 🕢
Password: sean@2019 🕜	Password: sean@2019 3
Create Next	Create     Next       Fill Database       Created Enterprise Database Successfully
Back	Back
© 2009–2020 Monnit Corp. all rights reserved. Version: 4.0.1.6	© 2009–2020 Monnit Corp. all rights reserved. Version: 4.0.1.6