

SPUR Version: October 2011

Universal License Terms

These license terms apply to your use of all Microsoft software and online services licensed under your Services Provider License Agreement. Terms used and not defined in this Microsoft Services Provider Use Rights document have the meanings assigned to them in the Services Provider License Agreement.

Your Use Rights

If you comply with your Services Provider License Agreement, including these Services Provider Use Rights, you may use the software and online services only as expressly permitted in these Services Provider Use Rights.

Rights to Use Other Versions

License terms for products permit use of one or more copies or instances at a time. For all these products, for any permitted copy or instance, you may create, store and run in place of the version licensed, a copy or instance of a:

- prior version;
- different permitted language version; or
- different available platform version (for example, 32 bit or 64 bit).

You may not use different versions of different components, such as server software and additional software, unless the license terms for the product expressly permit you to do so.

Applicable Use Rights

The product use rights in the Services Provider Use Rights when Customer first provides software services with a version of a product remain in effect for the term of the agreement, subject to the following: (1) if Microsoft introduces a new version of a product and Customer uses the new version, Customer must abide by the use rights for the new version; and (2) if Customer provides software services with an earlier version of a product, the use rights for the version of the product in the Services Provider Use Rights when Customer first provides software services with the product under this agreement will apply, provided that if the product has components that are not part of the version originally used, any subsequent use rights specific to those components will apply to those components.

“Cold” Disaster Recovery Rights

For each instance of eligible server software licensed in the Per Processor licensing model that you run in a physical or virtual operating system environment (or OSE) on a licensed server, you may temporarily run a backup instance in a physical or virtual operating system environment (or OSE) on a server dedicated to disaster recovery. The product use rights for the software and the following limitations apply to your use of software on a disaster recovery server:

- The server must be turned off except for (i) limited software self-testing and patch management, and (ii) disaster recovery.
- The server may not be in the same cluster as the production server.
- You may run the backup and production instances at the same time only while recovering the production instance from a disaster.

Rental on Service Devices and/or Rental Devices

Rental on service devices and/or rental devices is not allowed except as expressly permitted herein.

Third Party Software

If other terms come with a program licensed by a third party, those terms apply to your use of it.

Pre-release Code

If other terms come with pre-release code, those terms apply to your use of it.

Updates and Supplements

We may update or supplement the software you license. If so, you may use that update or supplement with the software. If other terms come with an update or supplement, those terms apply to your use of it.

Technical Limitations

You must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not work around them. For more information, see <http://www.microsoftvolumelicensing.com/userights/TechLimit.aspx>.

Other Rights

Rights to access the software on any device do not give you any right to implement Microsoft patents or other Microsoft intellectual property in software or devices that access that device.

Documentation

Any person that has valid access to your computer or internal network may copy and use the documentation for your internal reference purposes. Documentation does not include electronic books.

Product Activation

Some products and online services require activation and a Volume License key to install or access them. Activation associates the use of the software with a specific device. For information about when activation or a key is required, see the Product Activation section on <http://www.microsoft.com/licensing>. You are responsible for both the use of keys assigned to you and activation of products using your Key Management Service (KMS) machines. You should not disclose keys to third parties.

- If required for client software you can provide Volume License keys contained only on original media for applications requiring activation.
- You may use your KMS machines only to activate copies of the software licensed under your agreement.

KMS AND MULTIPLE ACTIVATION KEY (MAK) ACTIVATION

During Multiple Activation Key (MAK) activation, the software will send information about the software and the device to Microsoft. During (KMS) host activation, the software will send information about the KMS host software and the host device to Microsoft. KMS client devices activated using KMS do not send information to Microsoft. However, they require periodic reactivation with your KMS host. The information sent to Microsoft during MAK or KMS host activation includes:

- the version, language and product key of the software
- the Internet protocol address of the device
- information derived from the hardware configuration of the device.

For more information, see <http://www.microsoft.com/licensing/existing-customers/product-activation.aspx>. By using the software, you consent to the transmission of this information. Before you activate, you have the right to use the version of the software installed during the installation process. Your right to use the software after the time specified in the installation process is limited unless it is activated. This is to prevent its unlicensed use. You are not licensed to continue using the software after that time if you do not activate it. If the device is connected to the Internet, the software may automatically connect to Microsoft for activation. You can also activate the software manually by Internet or telephone. If you do so, Internet and telephone service charges may apply. Some changes to your computer components or the software may require you to reactivate the software. The software will remind you to activate it until you do.

PROPER USE OF KMS

You may not provide unsecured access to your KMS machines over an uncontrolled network such as the Internet.

UNAUTHORIZED USE OF MAK OR KMS KEYS

Microsoft may take any of these actions related to unauthorized use of MAK or KMS keys: prevent further activations, deactivate, or otherwise block the key from activation or validation.

Key deactivation may require the Customer to acquire a new key from Microsoft.

Additional Functionality

We may provide additional functionality for the software or online services. Other license terms and fees may apply.

Using More than One Product or Functionality Together

You need a license for each product and separately licensed functionality used on a device or by a user. For example, if you use Office on Windows, you need licenses for both Office and Windows. Likewise, to access Remote Desktop Services in Windows Server you need both a Windows Server SAL and a Remote Desktop Services SAL.

.NET Framework and PowerShell Software

Microsoft .NET Framework software and PowerShell software are part of Microsoft Windows. Except as provided in Benchmark Testing below, the license terms for Microsoft Windows apply to your use of these components.

Other products may also contain .NET Framework software or PowerShell Software. These license terms govern your use of that software.

License Terms for SQL Server Technology

These license terms apply if your edition of the software includes SQL Server Technology. You may run, at any one time, one instance of that technology in one physical or virtual operating system environment (or OSE) on one server to support that software. You may also use that instance to support other products that include any version of SQL Server Technology. You do not need SQL Server SALs for all such use.

You may not share that instance to support any product that is not licensed with SQL Server Technology.

Consent to Use of Data

We may collect and use technical information gathered as part of support services, if any, related to the software. We may use this information to improve our products or to provide customized services or technologies to you and your customers. We will not disclose this information in a form that personally identifies you.

Third Party Internet Sites

You and your customers may link to third party Internet sites through the use of the products. We do not control the third party sites. We are not responsible for the contents of any third party sites, any links contained in third party sites, or any changes to third party sites. We are providing these links to third party sites only as a convenience. The inclusion of any link does not imply an endorsement by us of the third party site.

No Transfer of Personally Identifiable Information

The products do not transmit any personally identifiable information from your server to Microsoft computer systems without your consent.

Benchmark Testing

SOFTWARE

You must obtain Microsoft's prior written approval to disclose to a third party the results of any benchmark test of the server software or client software that comes with it. This does not apply to the .NET Framework (see below) or to the following products: Live Communications Server, Systems Center Operations Manager, System Center Data Protection Manager, Systems Management Server, Windows Server, and Windows Small Business Server. It, however, does apply to SQL Technology, if any, licensed with these products.

MICROSOFT .NET FRAMEWORK

The software may include one or more components of the .NET Framework (".NET Components"). If so, you may conduct internal benchmark testing of those components. You may disclose the results of any benchmark test of those components, provided that you comply with the conditions set forth at <http://go.microsoft.com/fwlink/?LinkID=66406>. Notwithstanding any other agreement you may have with Microsoft, if you disclose such benchmark test results, Microsoft shall have the right to disclose the results of benchmark tests it conducts of your products that compete with the applicable .NET Component, provided it complies with the same conditions set forth at <http://go.microsoft.com/fwlink/?LinkID=66406>

SQL Server Reporting Services Map Report Item

The software may include features that retrieve content such as maps, images and other data through the Bing Maps (or successor branded) application programming interface (the "Bing Maps API") to create reports displaying data on top of maps, aerial and hybrid imagery. If these features are included, you may use these features to create and view dynamic or static documents only in conjunction with and through methods and means of access integrated in the software. You may not otherwise copy, store, archive, or create a database of the content available through the Bing Maps API. You may not use the Bing Maps API to provide sensor based guidance/routing, nor use any Road Traffic Data or Bird's Eye Imagery (or associated metadata) even if available through the Bing Maps API for any purpose. Your use of the Bing Maps API and associated content is also subject to the additional terms and conditions at <http://go.microsoft.com/fwlink/?LinkId=21969>.

You may not:

- remove, minimize, block or modify any logos, trademarks, copyright, digital watermarks, or other notices of Microsoft or its suppliers that are included in the software, including any content made available to you through the software; or
- publish the software, including any application programming interfaces included in the software, for others to copy; or
- share or otherwise distribute documents, text or images created using the software Data Mapping Services features.

Multiplexing

Hardware or software you use to:

- pool connections;
- reroute information;
- reduce the number of devices or users that directly access or use the product; or
- reduce the number of operating system environments (or OSEs), devices or users the product directly manages,

(sometimes referred to as “multiplexing” or “pooling”), does not reduce the number of licenses of any type that you need.

Distributable Code

The software or online service may include code that you are permitted to distribute in programs you develop (also known as redistribution software) if you comply with the terms below. For purposes of this subsection, “you” and “your” also includes your End Users. The code and text files listed below are “Distributable Code.” These Service Provider Use Rights may provide rights to other Distributable Code.

[RIGHT TO USE AND DISTRIBUTE](#)

The code and text files listed below are “Distributable Code.” These Service Provider Use Rights may provide rights to other Distributable Code.

- **REDIST.TXT Files:** You may copy and distribute the object code form of code listed in REDIST.TXT files.
- **Sample Code:** You may modify, copy, and distribute the source and object code form of code marked as “sample.”
- **OTHER-DIST.TXT Files:** You may copy and distribute the object code form of code listed in OTHER-DIST.TXT Files.
- **Third Party Distribution:** You may permit distributors of your programs to copy and distribute the Distributable Code as part of those programs.
- **Silverlight Libraries:** Copy and distribute the object code form of code marked as “Silverlight Libraries”, Silverlight “Client Libraries” and Silverlight “Server Libraries”;

Additional license terms for all Visual Studio Products

The software may also contain the following Distributable Code. You may:

- **Microsoft Merge Modules:** Copy and distribute the unmodified output of Microsoft Merge Modules;
- **REDIST.TXT Files:** Copy and distribute files listed in the REDIST list located at <http://go.microsoft.com/fwlink/?LinkId=165518>;
- **Sample Code:** Modify, copy, and distribute source and object code form of code marked as "Code Snippet";
- **Image Library:** Copy and distribute images and animations in the Image Library as described in the software documentation. You may also modify that content. If you modify the content, it must be for use that is consistent with the permitted use of the unmodified content.
- **Templates and Site Templates:** Modify, copy, deploy and distribute the source and object code form of templates and code marked as "site templates";
- **Fonts:** Distribute unmodified copies of the Buxton Sketch font, SketchFlow Print font and SegoeMarker font;
- **Styles:** Copy, modify and distribute the object code form of code identified as "X Styles";
- **Icons:** Distribute unmodified copies of code marked as "icons";
- **Setup Program:** Distribute distributable code included in a setup program only as part of that setup program. You may not modify it.
- **EXTENSIBILITY KIT Files for Microsoft Commerce Server 2009 Standard and Enterprise Editions:** Copy and distribute the source and object code form of the code marked as "Extensibility Kit"; and
- **Access Runtime Files:** Copy and distribute the object code form of SETUP.EXE, ACCESSRT.MSI, and ACCESSRT.CAB files from a licensed copy of Microsoft Office Professional Plus 2010 or Microsoft Office Access 2010 software. You and your End Users may only use these files to provide database features for your non-database management programs.

Distribution Requirements

For any Distributable Code you distribute, you must:

- add significant primary functionality to it in your programs;
- for any Distributable Code having a filename extension of .lib, distribute only the results of running such Distributable Code through a linker with your program;
- distribute Distributable Code included in a setup program only as part of that setup program without modification;
- require distributors and external end users to agree to terms that protect it at least as much as your volume license agreement, including these Product Use Rights and the Product List;
- display your valid copyright notice on your programs; and
- indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your programs.

Distribution Limitations

You may not:

- alter any copyright, trademark or patent notice in the Distributable Code;
- use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;
- distribute Distributable Code, other than code listed in OTHER-DIST.TXT files, to run on a platform other than Microsoft operating systems, run-time technologies or application platforms;
- include Distributable Code in malicious, deceptive or unlawful programs; or
- modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that the code be disclosed or distributed in source code form, or that others have the right to modify it.

THE FOLLOWING LICENSE TERMS APPLY TO YOUR USE OF THE PRODUCTS

Instance

You create an "instance" of software by executing the software's setup or install procedure. You also create an instance of software by duplicating an existing instance. References to software include "instances" of the software.

Run an Instance

You "run an instance" of software by loading it into memory and executing one or more of its instructions. Once running, an instance is considered to be running (whether or not its instructions continue to execute) until it is removed from memory.

Operating System Environment ("OSE")

Operating System Environment (OSE) means all or part of an operating system instance (see "Instance"), or all or part of a virtual (or otherwise emulated) operating system instance which enables separate machine identity (primary computer name or similar unique identifier) or separate administrative rights, and instances of applications, if any, configured to run on the operating system instance or parts identified above. There are two types of OSEs, physical and virtual. A physical hardware system can have one physical OSE and/or one or more virtual OSEs.

Physical OSE means an OSE (see "Operating System Environment (OSE)") that is configured to run directly on a physical hardware system. The operating system instance (see "Instance") used to run hardware virtualization software (e.g. Microsoft Hyper-V Server or similar technologies) or to provide hardware virtualization services (e.g. Microsoft virtualization technology or similar technologies) is considered part of the physical OSE.

Virtual OSE means an OSE (see "Operating System Environment (OSE)") that is configured to run on a virtual (or otherwise emulated) hardware system.

Server

A server is a physical hardware system capable of running server software. A hardware partition or blade is considered to be a separate physical hardware system.

Assigning a License

To assign a license means simply to designate that license to one device or user.

No Separation of Software

You may not separate the software for use in more than one OSE under a single license, unless expressly permitted. This applies even if the OSEs are on the same physical hardware system.

Physical and Virtual Processors

A physical processor is a processor in a physical hardware system. Physical operating system environments use physical processors. A virtual processor is a processor in a virtual (or otherwise emulated) hardware system. Virtual OSEs use virtual processors. Solely for licensing purposes, a virtual processor is considered to have the same number of threads and cores as each physical processor on the underlying physical hardware system.

Licensing Models for SQL Server 2008 R2 Enterprise Subscriber Access License

Subscriber Access License

GENERAL TERMS

SAL GENERAL TERMS ORGANIZATION

The terms below are organized into three sections: Server Software, Management Servers, and Desktop Applications. The section of these General Terms applies to a given product is specified under that product in the Product-Specific License Terms section.

Server Software

• Exchange Server 2010 Standard and Enterprise	• SQL Server 2008 R2 Enterprise (including OEM versions)
• Forefront Identity Manager 2010	• SQL Server 2008 R2 Small Business
• Forefront Unified Access Gateway 2010	• SQL Server 2008 R2 Standard (including OEM versions)
• HPC Pack 2008 R2 Enterprise	• SQL Server 2008 R2 Workgroup
• Lync Server 2010 Enterprise	• Visual Studio Team Foundation Server 2010 with SQL Server 2008 Technology
• Lync Server 2010 Standard	• Windows HPC Server 2008 R2 Suite
• Microsoft Application Virtualization Hosting for Desktops	• Windows Server 2008 R2 Enterprise
• Microsoft Dynamics AX 2012	• Windows Server 2008 R2 HPC Edition
• Microsoft Dynamics C5 2012	• Windows Server 2008 R2 OEM
• Microsoft Dynamics CRM 2011 Service Provider	• Windows Server 2008 R2 Standard
• Microsoft Dynamics GP 2010 R2	• Windows Small Business Server 2011 Essentials
• Microsoft Dynamics NAV 2009 R2	• Windows Small Business Server 2011 Premium Add-on
• Microsoft Dynamics SL 2011	• Windows Small Business Server 2011 Standard
• Project Server 2010	
• SharePoint Server 2010	

You have the rights below for each corresponding SAL you acquire.

SUBSCRIBER ACCESS LICENSES (SALS)

You must acquire and assign a SAL to each user that is authorized to access your instances of the server software directly or indirectly, regardless of actual access of the server software. Device SALs are not available except for products that we designate in the Product-specific License Terms section. A hardware partition or blade is considered to be a separate device. The appropriate SAL for each product is listed in the Product-specific License Terms section below.

You do not need SALs for any software licensed with a Per Processor license.

All server software access requires base SALs, and some software functionality requires additive SALs. Both types are listed in the table below. You need both the product's base SAL and additive SAL to access functionality listed in the Product-specific License Terms section below.

TYPES OF SALs

There are three types of SALs: one for devices, one for users and one for qualified educational users ("students"). Each device SAL (for products permitting device SALs) permits one device, used by any user, to access instances of the server software on your servers. Each user SAL permits one user, using any device, to access instances of the server software on your servers. Products with student SAL offerings require qualification through the Qualified Educational Customer Addendum. Like user SALs, each student SAL permits one user, using any device, to access instances of the server software on your servers.

Reassignment of Subscriber Access Licenses (SAL)

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

SALs FOR SA

SALs for SA may be acquired and assigned to users who have also been assigned a qualifying Client Access License ("CAL") with active Software Assurance ("SA") acquired under a Microsoft Volume Licensing Program or who uses a device to which a qualifying Device CAL with active Software Assurance coverage has been assigned. You may not acquire SALs for SA for more than one user for any given qualifying CAL. Use rights for SALs for SA are identical to their corresponding SALs, as defined in this document. The right to assign a SAL for SA to a user or device expires when the Software Assurance coverage for the qualifying CAL expires. Use of a SAL for SA does not invalidate the use rights of the qualifying CAL. SALs for SA may only be reassigned, and must be reassigned, when and as the qualifying CAL is reassigned. For more information on ordering SALs for SA and the order validation process, please see <http://www.explore.ms> or contact your software products reseller.

SALs available for SA customers and their qualifying CALs are listed under applicable products in the Product-specific License Terms section.

CREATING AND STORING INSTANCES ON YOUR SERVERS OR STORAGE MEDIA.

You have the additional rights below for each software license you acquire.

- You may create any number of instances of the server software and client software.
- You may store instances of the server software and client software on any of your servers or storage media.

- You may create and store instances of the server software and client software solely to exercise your right to run instances of the server software under the software licenses as described above (e.g., you may not distribute instances to third parties).

MANAGEMENT PACKS

The software may contain Management Packs. The license terms for the applicable System Center products in this SAL licensing model section apply to your use of the Management Packs.

SOFTWARE

Running Instances of the Server Software: You may run or otherwise use any number of instances of the server software in physical or virtual operating system environments (or OSEs) on any number of devices.

Running Instances of the Client Software: You may run or otherwise use any number of instances of the client software listed in Appendix 1 in physical or virtual operating system environments (or OSEs) on any number of devices. You may use the client software only with the server software directly or indirectly through other client software.

Management Servers

- System Center Configuration Manager 2007 R3
- System Center Configuration Manager 2007 R3 with SQL Server 2008 Technology
- System Center Data Protection Manager 2010
- System Center Operations Manager 2007 R2
- System Center Operations Manager 2007 R2 with SQL Server 2008 Technology
- System Center Service Manager 2010
- System Center Service Manager 2010 with SQL Server 2008 Technology
- System Center Virtual Machine Manager 2008 R2
- Windows Embedded Device Manager 2011
- Windows Embedded Device Manager 2011 with SQL Server 2008 Technology

You must acquire and assign to a device or user, the appropriate category and type of SAL for the operating system environments (or OSEs) you will use your instances of the server software to directly or indirectly manage.

CATEGORIES OF SALs

There are two categories of SALs: client and server. The category of SAL required depends on the operating system software running within an OSE. Managed OSEs running server operating system software require server SALs. All other managed OSEs require client SALs. A single device may have a mix of managed OSEs, including a subset running server operating systems. If so you will need a mix of the two categories for that device.

Two Types of Client SALs: There are two types of client SALs: one for managed OSEs and one for users.

- OSE client SALs permit your instances of the server software to manage an equal number of OSEs used by any users.
- User client SALs permit your instances of the server software to manage the OSEs used by each user to whom a user client SAL is assigned. If you have more than one user using an OSE, and you are not licensing by OSE, you must assign user client SALs to each of the users.
- Client SALs do not permit management of any OSE running a server operating system.

One Type of Server SAL

There is no user option for server SALs. The OSE server SAL is the only type of server SAL you can acquire. OSE server SALs permit your instances of the server software to manage an equal number of OSEs. While there is only one type of server SAL, there may be up to two editions. If there is more than one edition of server SAL, the edition you need depends on the workload that is managed. If you are managing a virtual OSE on the licensed device and the physical OSE is being used solely to run hardware virtualization software, provide hardware virtualization services, and run software to manage and service operating system environments (or OSEs) on that device, then you may manage that virtual OSE and the physical OSE under a single server SAL.

Your server SALs do not permit management of any OSE running any operating system software other than server operating system software.

Reassignment of Subscriber Access Licenses (SAL)

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

MANAGEMENT SALs

If you acquire user client SALs, you must assign them to the users of the OSEs your instances of the server software manage.

If you acquire OSE client or server SALs, you must assign them to the devices on which your managed OSEs will run. A hardware partition or blade is considered to be a separate device. At any one time, the number of OSEs being managed on a device may not exceed the number of OSE client or server management SALs assigned to that device (except in the case where you are permitted to manage the physical OSE and a virtual OSE under a single server SAL as provided above).

The appropriate management SALs (server or client, and OSE or user [if any]) for each product are listed in the Product-specific License Terms section below.

For purposes of this paragraph, to “manage” an OSE means to solicit or receive data about, configure, or give instructions to: the hardware or software associated with the OSE, other than to discover the presence of a device.

You do not need a management SAL for:

- any OSEs in which no instances of software are running,
- any devices functioning only as network infrastructure devices (OSI layer 3 or below), or
- any of your devices for which you are exclusively performing out of band management. Out of band management consists of interaction via a network connection with a hardware management controller to monitor or manage the status of hardware components (e.g., system temperature, fan speed, power on/off, system reset, CPU availability). Monitoring utilization of CPU, RAM, NIC, or storage is considered indirect management of the OSE and requires a management license.

With any instance of the server software on your servers, you may manage:

- any number of OSEs on a device, once you assign an equal number of management SALs to that device.
- the OSEs users use, once you assign management SALs to those users.

However, you may manage the physical OSE and any virtual OSE under a single server SAL, if you use the physical OSE for the limited purposes described above.

Server Management License Suites

As exceptions to the license terms generally governing management of OSEs under server management SALs:

You may manage at any one time up to four OSEs running on your devices to which a System Center Server Management Suite Enterprise SAL is assigned. If you are managing four virtual OSEs on the licensed device and the physical OSE is being used solely to run hardware virtualization software, provide hardware virtualization services, and run software to manage and service operating system environments (or OSEs) on that device, then you may also manage the physical OSE.

You may manage any number of OSEs running on a device to which a System Center Server Management Suite Datacenter SAL is assigned. You need a System Center Server Management Suite Datacenter SAL for each physical processor in the device. System Center Server Management Suite Datacenter SALs permit management by earlier versions of these System Center Management Server products.

REASSIGNMENT OF SALs

You may:

- permanently reassign an OSE server or client SAL from one device to another, or a user client SAL from one user to another; or
- temporarily reassign an OSE server or client SAL to a loaner device while the first device is out of service, or a user client SAL to a temporary worker while the user is absent.

SOFTWARE

Running Instances of the Server Software: You may run or otherwise use any number of instances of the server software in physical or virtual operating system environments (or OSEs) on any number of devices.

Running Instances of the Client Software: You may run or otherwise use any number of instances of the client software listed in Appendix 1 in physical or virtual operating system environments (or

OSEs) on any number of devices. You may use the client software only with the server software directly or indirectly through other client software.

CREATING AND STORING INSTANCES ON YOUR SERVERS OR STORAGE MEDIA

You have the additional rights below for each software license you acquire, you may:

- Create any number of instances of the server software and client software.
- Store instances of the server software and client software on any of your servers or storage media.
- Create and store instances of the server software and client software solely to exercise your right to run instances of the server software under the software licenses as described above (e.g., you may not distribute instances to third parties).

MANAGEMENT AND CONFIGURATION PACKS

The software may contain Management or Configuration Packs. The license terms for the applicable System Center products in this SAL licensing model section apply to your use of these Packs.

Desktop Applications

- Expression Encoder Pro 4
- Expression Studio 4 Ultimate
- Expression Studio 4 Web Professional
- Office Multi Language Pack 2010
- Office Professional Plus 2010
- Office Standard 2010
- Productivity Suite
- Project 2010 Professional
- Project 2010 Standard
- Visio 2010 Premium
- Visio 2010 Professional
- Visio 2010 Standard
- Visual Studio 2010 Premium
- Visual Studio 2010 Professional
- Visual Studio 2010 Ultimate
- Visual Studio LightSwitch 2011

- Visual Studio Team Explorer Everywhere 2010
- Visual Studio Test Professional 2010
- Windows 7 Professional Upgrade

SUBSCRIBER ACCESS LICENSES (SALS)

You must acquire and assign a SAL to each user that is authorized to access your instances of the software directly or indirectly, regardless of actual access of the software. Device SALs are not available except for products that we designate in the Product-Specific License Terms section). A hardware partition or blade is considered to be a separate device.

TYPES OF SALS

There are two types of SALS: one for users and one for devices.

User SALS: Each user SAL permits one user to use any device to access and use the software.

Device SALS: Service Device and/or Rental Device. Before you use the software under a license, you must assign that license to one device (physical hardware system). That device is the “service device and/or rental device.” A hardware partition or blade is considered to be a separate device. You may install and use any number of copies of the software on the service device and/or rental device.

CONCURRENT CONNECTIONS FOR USER SALS

You must acquire a SAL for each concurrent connection to a server running the software (using multiple devices). For example, you must obtain one SAL for a user who wants to access the server software from both a PC and a separate laptop at different times of the day. However, you must acquire two SALS for the user if the user wants to access the software from both devices at the same time.

REASSIGNMENT OF SALS

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

PRODUCT-SPECIFIC LICENSE TERMS

SQL Server 2008 R2 Enterprise

The license terms that apply to your use of this product are the Universal License Terms, the General License Terms for this Licensing Model and the product-specific license terms below.

Applicable Section of SAL General Terms: Server Software See Applicable Notice: **No**

Client/Additional Software: **Yes** (see [Appendix 1](#))

SUBSCRIBER ACCESS LICENSES (SALS)

You need:

- SQL Server 2008 R2 Enterprise SAL

Additional Terms:

SQL SERVER CONTROL POINT LIMITS

You may not enroll more than 25 instances of any version or edition of SQL Server software with the Control Point Utility in the server software at any one time.

.NET Framework Software

The software for the product contains Microsoft .NET Framework software and may contain PowerShell software. See the license terms for .NET Framework and PowerShell Software in the Universal License Terms.

Licensing Models for SQL Server 2008 R2 Standard Subscriber Access License

Subscriber Access License

GENERAL TERMS

SAL GENERAL TERMS ORGANIZATION

The terms below are organized into three sections: Server Software, Management Servers, and Desktop Applications. The section of these General Terms applies to a given product is specified under that product in the Product-Specific License Terms section.

Server Software

• Exchange Server 2010 Standard and Enterprise	• SQL Server 2008 R2 Enterprise (including OEM versions)
• Forefront Identity Manager 2010	• SQL Server 2008 R2 Small Business
• Forefront Unified Access Gateway 2010	• SQL Server 2008 R2 Standard (including OEM versions)
• HPC Pack 2008 R2 Enterprise	• SQL Server 2008 R2 Workgroup
• Lync Server 2010 Enterprise	• Visual Studio Team Foundation Server 2010 with SQL Server 2008 Technology
• Lync Server 2010 Standard	• Windows HPC Server 2008 R2 Suite
• Microsoft Application Virtualization Hosting for Desktops	• Windows Server 2008 R2 Enterprise
• Microsoft Dynamics AX 2012	• Windows Server 2008 R2 HPC Edition
• Microsoft Dynamics C5 2012	• Windows Server 2008 R2 OEM
• Microsoft Dynamics CRM 2011 Service Provider	• Windows Server 2008 R2 Standard
• Microsoft Dynamics GP 2010 R2	• Windows Small Business Server 2011 Essentials
• Microsoft Dynamics NAV 2009 R2	• Windows Small Business Server 2011 Premium Add-on
• Microsoft Dynamics SL 2011	• Windows Small Business Server 2011 Standard
• Project Server 2010	
• SharePoint Server 2010	

You have the rights below for each corresponding SAL you acquire.

SUBSCRIBER ACCESS LICENSES (SALS)

You must acquire and assign a SAL to each user that is authorized to access your instances of the server software directly or indirectly, regardless of actual access of the server software. Device SALs are not available except for products that we designate in the Product-specific License Terms section. A hardware partition or blade is considered to be a separate device. The appropriate SAL for each product is listed in the Product-specific License Terms section below.

You do not need SALs for any software licensed with a Per Processor license.

All server software access requires base SALs, and some software functionality requires additive SALs. Both types are listed in the table below. You need both the product's base SAL and additive SAL to access functionality listed in the Product-specific License Terms section below.

TYPES OF SALs

There are three types of SALs: one for devices, one for users and one for qualified educational users ("students"). Each device SAL (for products permitting device SALs) permits one device, used by any user, to access instances of the server software on your servers. Each user SAL permits one user, using any device, to access instances of the server software on your servers. Products with student SAL offerings require qualification through the Qualified Educational Customer Addendum. Like user SALs, each student SAL permits one user, using any device, to access instances of the server software on your servers.

Reassignment of Subscriber Access Licenses (SAL)

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

SALs FOR SA

SALs for SA may be acquired and assigned to users who have also been assigned a qualifying Client Access License ("CAL") with active Software Assurance ("SA") acquired under a Microsoft Volume Licensing Program or who uses a device to which a qualifying Device CAL with active Software Assurance coverage has been assigned. You may not acquire SALs for SA for more than one user for any given qualifying CAL. Use rights for SALs for SA are identical to their corresponding SALs, as defined in this document. The right to assign a SAL for SA to a user or device expires when the Software Assurance coverage for the qualifying CAL expires. Use of a SAL for SA does not invalidate the use rights of the qualifying CAL. SALs for SA may only be reassigned, and must be reassigned, when and as the qualifying CAL is reassigned. For more information on ordering SALs for SA and the order validation process, please see <http://www.explore.ms> or contact your software products reseller.

SALs available for SA customers and their qualifying CALs are listed under applicable products in the Product-specific License Terms section.

CREATING AND STORING INSTANCES ON YOUR SERVERS OR STORAGE MEDIA.

You have the additional rights below for each software license you acquire.

- You may create any number of instances of the server software and client software.
- You may store instances of the server software and client software on any of your servers or storage media.

- You may create and store instances of the server software and client software solely to exercise your right to run instances of the server software under the software licenses as described above (e.g., you may not distribute instances to third parties).

MANAGEMENT PACKS

The software may contain Management Packs. The license terms for the applicable System Center products in this SAL licensing model section apply to your use of the Management Packs.

SOFTWARE

Running Instances of the Server Software: You may run or otherwise use any number of instances of the server software in physical or virtual operating system environments (or OSEs) on any number of devices.

Running Instances of the Client Software: You may run or otherwise use any number of instances of the client software listed in Appendix 1 in physical or virtual operating system environments (or OSEs) on any number of devices. You may use the client software only with the server software directly or indirectly through other client software.

Management Servers

- System Center Configuration Manager 2007 R3
- System Center Configuration Manager 2007 R3 with SQL Server 2008 Technology
- System Center Data Protection Manager 2010
- System Center Operations Manager 2007 R2
- System Center Operations Manager 2007 R2 with SQL Server 2008 Technology
- System Center Service Manager 2010
- System Center Service Manager 2010 with SQL Server 2008 Technology
- System Center Virtual Machine Manager 2008 R2
- Windows Embedded Device Manager 2011
- Windows Embedded Device Manager 2011 with SQL Server 2008 Technology

You must acquire and assign to a device or user, the appropriate category and type of SAL for the operating system environments (or OSEs) you will use your instances of the server software to directly or indirectly manage.

CATEGORIES OF SALs

There are two categories of SALs: client and server. The category of SAL required depends on the operating system software running within an OSE. Managed OSEs running server operating system software require server SALs. All other managed OSEs require client SALs. A single device may have a mix of managed OSEs, including a subset running server operating systems. If so you will need a mix of the two categories for that device.

Two Types of Client SALs: There are two types of client SALs: one for managed OSEs and one for users.

- OSE client SALs permit your instances of the server software to manage an equal number of OSEs used by any users.
- User client SALs permit your instances of the server software to manage the OSEs used by each user to whom a user client SAL is assigned. If you have more than one user using an OSE, and you are not licensing by OSE, you must assign user client SALs to each of the users.
- Client SALs do not permit management of any OSE running a server operating system.

One Type of Server SAL

There is no user option for server SALs. The OSE server SAL is the only type of server SAL you can acquire. OSE server SALs permit your instances of the server software to manage an equal number of OSEs. While there is only one type of server SAL, there may be up to two editions. If there is more than one edition of server SAL, the edition you need depends on the workload that is managed. If you are managing a virtual OSE on the licensed device and the physical OSE is being used solely to run hardware virtualization software, provide hardware virtualization services, and run software to manage and service operating system environments (or OSEs) on that device, then you may manage that virtual OSE and the physical OSE under a single server SAL.

Your server SALs do not permit management of any OSE running any operating system software other than server operating system software.

Reassignment of Subscriber Access Licenses (SAL)

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

MANAGEMENT SALS

If you acquire user client SALs, you must assign them to the users of the OSEs your instances of the server software manage.

If you acquire OSE client or server SALs, you must assign them to the devices on which your managed OSEs will run. A hardware partition or blade is considered to be a separate device. At any one time, the number of OSEs being managed on a device may not exceed the number of OSE client or server management SALs assigned to that device (except in the case where you are permitted to manage the physical OSE and a virtual OSE under a single server SAL as provided above).

The appropriate management SALs (server or client, and OSE or user [if any]) for each product are listed in the Product-specific License Terms section below.

For purposes of this paragraph, to “manage” an OSE means to solicit or receive data about, configure, or give instructions to: the hardware or software associated with the OSE, other than to discover the presence of a device.

You do not need a management SAL for:

- any OSEs in which no instances of software are running,
- any devices functioning only as network infrastructure devices (OSI layer 3 or below), or
- any of your devices for which you are exclusively performing out of band management. Out of band management consists of interaction via a network connection with a hardware management controller to monitor or manage the status of hardware components (e.g., system temperature, fan speed, power on/off, system reset, CPU availability). Monitoring utilization of CPU, RAM, NIC, or storage is considered indirect management of the OSE and requires a management license.

With any instance of the server software on your servers, you may manage:

- any number of OSEs on a device, once you assign an equal number of management SALs to that device.
- the OSEs users use, once you assign management SALs to those users.

However, you may manage the physical OSE and any virtual OSE under a single server SAL, if you use the physical OSE for the limited purposes described above.

Server Management License Suites

As exceptions to the license terms generally governing management of OSEs under server management SALs:

You may manage at any one time up to four OSEs running on your devices to which a System Center Server Management Suite Enterprise SAL is assigned. If you are managing four virtual OSEs on the licensed device and the physical OSE is being used solely to run hardware virtualization software, provide hardware virtualization services, and run software to manage and service operating system environments (or OSEs) on that device, then you may also manage the physical OSE.

You may manage any number of OSEs running on a device to which a System Center Server Management Suite Datacenter SAL is assigned. You need a System Center Server Management Suite Datacenter SAL for each physical processor in the device. System Center Server Management Suite Datacenter SALs permit management by earlier versions of these System Center Management Server products.

REASSIGNMENT OF SALs

You may:

- permanently reassign an OSE server or client SAL from one device to another, or a user client SAL from one user to another; or
- temporarily reassign an OSE server or client SAL to a loaner device while the first device is out of service, or a user client SAL to a temporary worker while the user is absent.

SOFTWARE

Running Instances of the Server Software: You may run or otherwise use any number of instances of the server software in physical or virtual operating system environments (or OSEs) on any number of devices.

Running Instances of the Client Software: You may run or otherwise use any number of instances of the client software listed in Appendix 1 in physical or virtual operating system environments (or

OSEs) on any number of devices. You may use the client software only with the server software directly or indirectly through other client software.

CREATING AND STORING INSTANCES ON YOUR SERVERS OR STORAGE MEDIA

You have the additional rights below for each software license you acquire, you may:

- Create any number of instances of the server software and client software.
- Store instances of the server software and client software on any of your servers or storage media.
- Create and store instances of the server software and client software solely to exercise your right to run instances of the server software under the software licenses as described above (e.g., you may not distribute instances to third parties).

MANAGEMENT AND CONFIGURATION PACKS

The software may contain Management or Configuration Packs. The license terms for the applicable System Center products in this SAL licensing model section apply to your use of these Packs.

Desktop Applications

- Expression Encoder Pro 4
- Expression Studio 4 Ultimate
- Expression Studio 4 Web Professional
- Office Multi Language Pack 2010
- Office Professional Plus 2010
- Office Standard 2010
- Productivity Suite
- Project 2010 Professional
- Project 2010 Standard
- Visio 2010 Premium
- Visio 2010 Professional
- Visio 2010 Standard
- Visual Studio 2010 Premium
- Visual Studio 2010 Professional
- Visual Studio 2010 Ultimate
- Visual Studio LightSwitch 2011

- Visual Studio Team Explorer Everywhere 2010
- Visual Studio Test Professional 2010
- Windows 7 Professional Upgrade

SUBSCRIBER ACCESS LICENSES (SALS)

You must acquire and assign a SAL to each user that is authorized to access your instances of the software directly or indirectly, regardless of actual access of the software. Device SALs are not available except for products that we designate in the Product-Specific License Terms section). A hardware partition or blade is considered to be a separate device.

TYPES OF SALS

There are two types of SALS: one for users and one for devices.

User SALS: Each user SAL permits one user to use any device to access and use the software.

Device SALS: Service Device and/or Rental Device. Before you use the software under a license, you must assign that license to one device (physical hardware system). That device is the “service device and/or rental device.” A hardware partition or blade is considered to be a separate device. You may install and use any number of copies of the software on the service device and/or rental device.

CONCURRENT CONNECTIONS FOR USER SALS

You must acquire a SAL for each concurrent connection to a server running the software (using multiple devices). For example, you must obtain one SAL for a user who wants to access the server software from both a PC and a separate laptop at different times of the day. However, you must acquire two SALS for the user if the user wants to access the software from both devices at the same time.

REASSIGNMENT OF SALS

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

PRODUCT-SPECIFIC LICENSE TERMS

SQL Server 2008 R2 Standard

The license terms that apply to your use of this product are the Universal License Terms, the General License Terms for this Licensing Model and the product-specific license terms below.

Applicable Section of SAL General Terms: Server Software See Applicable Notice: **No**

Client/Additional Software: **Yes** (see [Appendix 1](#))

SUBSCRIBER ACCESS LICENSES (SALS)

You need:

- SQL Server 2008 R2 Standard SAL, **or**
- SQL Server 2008 R2 Enterprise SAL, **or**
- SQL Server 2008 R2 Enterprise OEM SAL, **or**
- Windows Small Business Server 2011 Premium Add-on SAL (for any user or device that is accessing instances of the server software that are within a Small Business Server (SBS) domain)

Additional Terms:

.NET Framework Software

The software for the product contains Microsoft .NET Framework software and may contain PowerShell software. See the license terms for .NET Framework and PowerShell Software in the Universal License Terms.

Licensing Models for Windows Server 2008 R2 Enterprise Per Processor License

Per Processor License

GENERAL TERMS

Licensing a Server

Before you run instances of the server software on a server, you must determine the number of licenses required and assign them to that server as described below.

DETERMINING THE NUMBER OF LICENSES REQUIRED

The number of licenses required is based on either the total number of physical processors on the server (as described in Option 1 below) or the number of virtual and physical processors used (as described in Option 2 below). For Enterprise Editions of the software, you may follow either option. For all other editions of the software, you must follow Option 2.

Option 1: Unlimited Virtualization: Under this option, the number of licenses required for a server equals the total number of physical processors on that server. Counting and assigning licenses based on this option permits you to run the server software in one physical and any number of virtual operating system environments (or OSEs) without regard to the number of physical and virtual processors used. This option is available to you only for enterprise editions of the software.

Option 2: Licensing based on Processors Used: Under this option, the total number of licenses required for a server equals the sum of the licenses required under (a) and (b) below. This is the only option available to you for editions other than enterprise.

- To run instances of the server software in the physical OSE on a server, you need a license for each physical processor that the physical OSE uses.
- To run instances of the server software in virtual OSEs on a server, you need a license for each virtual processor* that each of those virtual OSEs uses. If a virtual OSE uses a fraction of a virtual processor, the fraction counts as a full virtual processor.

*A virtual processor is a processor in a virtual (or otherwise emulated) hardware system. Virtual OSEs use virtual processors. Solely for licensing purposes, a virtual processor is considered to have the same number of threads and cores as each physical processor on the underlying physical hardware system. So, for any given virtual OSE on a server on which each physical processor provides X logical processors, the number of licenses required is the sum of a) and b) below:

- a. one license for every X logical processors that virtual OSE uses
- b. one license if the number of logical processors it uses is not a whole number multiple of X

"X," as used above, equals the number of cores, or where relevant, the number of threads in each physical processor.

Assigning the Required Number of Licenses to the Server

After you determine the number of licenses you need for a server, you must assign that number of licenses to that server. That server is the licensed server for all of those licenses. You may not

assign the same license to more than one server. A hardware partition or blade is considered to be a separate server.

You may reassign a license, but not within 30 days of the last assignment. You may reassign a license sooner if you retire the licensed server due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

Running Instances of the Server Software

Your right to run the software depends on the option used to determine the number of licenses required.

Option 1: Unlimited Virtualization: If you assign to a server licenses equal to the total number of physical processors on the server:

- You may run, at any one time, any number of instances of the server software in one physical and any number of virtual OSEs on that server.
- You do not need to license virtual processors.

Option 2: Licensing based on Processors Used: You may run, at any one time, any number of instances of the server software in physical and virtual OSEs on the licensed server. However, the total number of physical and virtual processors used by those OSEs cannot exceed the number of licenses assigned to that server.

Running Instances of the Client Software

You may run or otherwise use any number of instances of the client software listed in Appendix 1 in physical or virtual operating system environments (or OSEs) on any number of your devices or your customer's. You and your customers may use the client software only with the server software directly or indirectly through other client software.

Creating and Storing Instances on Your Servers or Storage Media

You have the additional rights below for each software license you acquire.

- You may create any number of instances of the server software and client software.
- You may store instances of the server software and client software on any of your servers or storage media.
- You may create and store instances of the server software and client software solely to exercise your right to run instances of the server software under the software licenses as described above (e.g., you may not distribute instances to third parties).

Additional Licensing Requirements and/or Use Rights

NO SUBSCRIBER ACCESS LICENSES (SALs) REQUIRED FOR ACCESS

You do not need SALs for other devices to access your instances of the server software.

DISTRIBUTABLE CODE

You may use Distributable Code as described in the Universal License Terms.

MANAGEMENT PACKS

The software may contain Management Packs. The license terms for the applicable System Center in the SAL licensing model section of these product use rights apply to your use of these Management Packs.

License Mobility within Server Farms

Note: Applicable only to products designated as having License Mobility Rights in the Product-specific License Terms section below.

ASSIGNING LICENSES AND USING SOFTWARE WITHIN A SERVER FARM

You may determine the number of licenses you need, assign those licenses, and use the server software as provided in the General License Terms. Alternatively, you may apply the use rights below.

Server Farm. A server farm consists of up to two data centers each physically located:

- in a time zone that is within four hours of the local time zone of the other (Coordinated Universal Time (UTC) and not DST), and/or
- within the European Union (EU) and/or European Free Trade Association (EFTA).

Each data center may be part of only one server farm. You may reassign a data center from one server farm to another, but not on a short-term basis (i.e., not within 30 days of the last assignment).

LICENSE REASSIGNMENT

Within a Server Farm: You may reassign licenses to any of your servers located within the same server farm as often as needed. The prohibition against short-term reassignment does not apply to licenses assigned to servers located within the same server farm.

Across Server Farms: You may reassign server and external connector licenses to any of your servers located in different server farms, but not on a short-term basis (i.e., not within 30 days of the last assignment).

DETERMINING THE NUMBER OF LICENSES REQUIRED

Despite anything to the contrary in General License Terms about how to count virtual and physical processors, you need a number of licenses equal to or greater than the number of physical processors on licensed servers within a server farm at any one time supporting or used by OSEs in which instances of the software are running.

RUNNING INSTANCES OF THE SERVER SOFTWARE IN A SERVER FARM

For all server software covered under License Mobility with the exception of SQL Server 2008 R2 Enterprise: Because you are permitted to reassign licenses as needed, as long as you meet the following requirement, you may run the software in any number of operating system environments (or OSEs) within a server farm. The number of physical processors supporting or used by operating system environments (or OSEs) at any one time may not exceed the number of licenses assigned to servers within the farm.

For SQL Server 2008 R2 Enterprise: Because you are permitted to reassign licenses as needed, as long as you meet the following requirement, you may run the software in up to four operating system environments (or OSEs) within a server farm for each software license assigned. The number of physical processors supporting or used by operating system environments (or OSEs) at any one time may not exceed the number of licenses assigned to servers within the farm.

ALTERNATIVE METHOD OF COUNTING

Instead of counting the number of physical processors supporting virtual OSEs, you may count the number of virtual processors being used by virtual OSEs in which instances are running. For purposes of this method of counting, disregard the statement in the Universal License Terms that a virtual processor is considered to have the same number of threads and cores as each of the underlying physical processors. You must assign a number of licenses equal to the sum of the greatest number of:

- virtual processors at any one time used by virtual OSEs in which instances of software are running and
- physical processors at any one time used by physical OSEs in which instances of software are running

PRODUCT-SPECIFIC LICENSE TERMS

Windows Server 2008 R2 Enterprise

The license terms that apply to your use of this product are the Universal License Terms, the General License Terms for this Licensing Model and the product-specific license terms below.

License Mobility Rights: **No**

Client/Additional Software: **Yes** (see [Appendix 1](#))

See Applicable Notice: **Potentially Unwanted Software, MPEG-4, VC-1** (see Appendix 2)

Additional Terms:

NUMBER OF LICENSES REQUIRED

The total number of software licenses required for a server equals the sum of the software licenses required under i) and ii) below.

- i. You need one software license for each physical processor on a server, which permits you to run on that server, at any one time:
 - one instance of the server software in one physical operating system environment (or OSE) , and
 - four instances of the server software in virtual operating system environments (or OSEs). You may run only one instance per virtual operating system environment (or OSE). You may run an instance of Standard in place of Enterprise in any of these virtual operating system environments (or OSEs).

If you run all five permitted instances at the same time, the instance of the server software running in the physical operating system environment (or OSE) may be used only to:

- run hardware virtualization software, or
 - provide hardware virtualization services, or
 - run software to manage and service operating system environments (or OSEs) on the licensed server.
- ii. For each additional set of up to four instances of the server software that you run in virtual operating system environments (or OSEs), you need an additional software license for each physical processor on the server.

TESTING, MAINTENANCE, AND ADMINISTRATION ACCESS

For each instance running in an operating system environment (or OSE), you may also permit up to two (2) other users to use or access the server software to directly or indirectly host a graphical user interface (using the Windows Server 2008 Remote Desktop Services functionality or other technology). This use is for the sole purpose of testing, maintenance, and administration of the licensed products. These users do not need Windows Server 2008 Remote Desktop Services SALs.

DATA STORAGE TECHNOLOGY

The server software may include data storage technology called Windows Internal Database. Components of the server software use this technology to store data. You may not otherwise use or access this technology under this agreement.

WINDOWS SERVER 2008 REMOTE DESKTOP SERVICES

You must acquire a Windows Server 2008 Remote Desktop Services SAL for each user that directly or indirectly is authorized to access the server software to host a graphical user interface (using the Windows Server 2008 Remote Desktop Services functionality or other technology). Please see the SAL licensing model section for a description of the SAL license.

WINDOWS SERVER 2008 R2 RIGHTS MANAGEMENT SERVICES

You must acquire a Windows Server 2008 R2 Rights Management Services SAL for each user that directly or indirectly is authorized to access the Windows Server 2008 R2 Rights Management Services functionality. Please see the SAL licensing model section for a description of the SAL license.

MICROSOFT APPLICATION VIRTUALIZATION 4.6 FOR REMOTE DESKTOP SERVICES

You must acquire a Microsoft Windows Server 2008 Remote Desktop Services SAL for each user that directly or indirectly is authorized to access the Microsoft Application Virtualization 4.6 for Remote Desktop Services functionality. Please see the SAL licensing model section for a description of the SAL license.

Licensing Models for Windows Server 2008 R2 Enterprise Subscriber Access License

Subscriber Access License

GENERAL TERMS

SAL GENERAL TERMS ORGANIZATION

The terms below are organized into three sections: Server Software, Management Servers, and Desktop Applications. The section of these General Terms applies to a given product is specified under that product in the Product-Specific License Terms section.

Server Software

• Exchange Server 2010 Standard and Enterprise	• SQL Server 2008 R2 Enterprise (including OEM versions)
• Forefront Identity Manager 2010	• SQL Server 2008 R2 Small Business
• Forefront Unified Access Gateway 2010	• SQL Server 2008 R2 Standard (including OEM versions)
• HPC Pack 2008 R2 Enterprise	• SQL Server 2008 R2 Workgroup
• Lync Server 2010 Enterprise	• Visual Studio Team Foundation Server 2010 with SQL Server 2008 Technology
• Lync Server 2010 Standard	• Windows HPC Server 2008 R2 Suite
• Microsoft Application Virtualization Hosting for Desktops	• Windows Server 2008 R2 Enterprise
• Microsoft Dynamics AX 2012	• Windows Server 2008 R2 HPC Edition
• Microsoft Dynamics C5 2012	• Windows Server 2008 R2 OEM
• Microsoft Dynamics CRM 2011 Service Provider	• Windows Server 2008 R2 Standard
• Microsoft Dynamics GP 2010 R2	• Windows Small Business Server 2011 Essentials
• Microsoft Dynamics NAV 2009 R2	• Windows Small Business Server 2011 Premium Add-on
• Microsoft Dynamics SL 2011	• Windows Small Business Server 2011 Standard
• Project Server 2010	
• SharePoint Server 2010	

You have the rights below for each corresponding SAL you acquire.

SUBSCRIBER ACCESS LICENSES (SALS)

You must acquire and assign a SAL to each user that is authorized to access your instances of the server software directly or indirectly, regardless of actual access of the server software. Device SALs are not available except for products that we designate in the Product-specific License Terms section. A hardware partition or blade is considered to be a separate device. The appropriate SAL for each product is listed in the Product-specific License Terms section below.

You do not need SALs for any software licensed with a Per Processor license.

All server software access requires base SALs, and some software functionality requires additive SALs. Both types are listed in the table below. You need both the product's base SAL and additive SAL to access functionality listed in the Product-specific License Terms section below.

TYPES OF SALs

There are three types of SALs: one for devices, one for users and one for qualified educational users ("students"). Each device SAL (for products permitting device SALs) permits one device, used by any user, to access instances of the server software on your servers. Each user SAL permits one user, using any device, to access instances of the server software on your servers. Products with student SAL offerings require qualification through the Qualified Educational Customer Addendum. Like user SALs, each student SAL permits one user, using any device, to access instances of the server software on your servers.

Reassignment of Subscriber Access Licenses (SAL)

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

SALs FOR SA

SALs for SA may be acquired and assigned to users who have also been assigned a qualifying Client Access License ("CAL") with active Software Assurance ("SA") acquired under a Microsoft Volume Licensing Program or who uses a device to which a qualifying Device CAL with active Software Assurance coverage has been assigned. You may not acquire SALs for SA for more than one user for any given qualifying CAL. Use rights for SALs for SA are identical to their corresponding SALs, as defined in this document. The right to assign a SAL for SA to a user or device expires when the Software Assurance coverage for the qualifying CAL expires. Use of a SAL for SA does not invalidate the use rights of the qualifying CAL. SALs for SA may only be reassigned, and must be reassigned, when and as the qualifying CAL is reassigned. For more information on ordering SALs for SA and the order validation process, please see <http://www.explore.ms> or contact your software products reseller.

SALs available for SA customers and their qualifying CALs are listed under applicable products in the Product-specific License Terms section.

CREATING AND STORING INSTANCES ON YOUR SERVERS OR STORAGE MEDIA.

You have the additional rights below for each software license you acquire.

- You may create any number of instances of the server software and client software.
- You may store instances of the server software and client software on any of your servers or storage media.

- You may create and store instances of the server software and client software solely to exercise your right to run instances of the server software under the software licenses as described above (e.g., you may not distribute instances to third parties).

MANAGEMENT PACKS

The software may contain Management Packs. The license terms for the applicable System Center products in this SAL licensing model section apply to your use of the Management Packs.

SOFTWARE

Running Instances of the Server Software: You may run or otherwise use any number of instances of the server software in physical or virtual operating system environments (or OSEs) on any number of devices.

Running Instances of the Client Software: You may run or otherwise use any number of instances of the client software listed in Appendix 1 in physical or virtual operating system environments (or OSEs) on any number of devices. You may use the client software only with the server software directly or indirectly through other client software.

Management Servers

- System Center Configuration Manager 2007 R3
- System Center Configuration Manager 2007 R3 with SQL Server 2008 Technology
- System Center Data Protection Manager 2010
- System Center Operations Manager 2007 R2
- System Center Operations Manager 2007 R2 with SQL Server 2008 Technology
- System Center Service Manager 2010
- System Center Service Manager 2010 with SQL Server 2008 Technology
- System Center Virtual Machine Manager 2008 R2
- Windows Embedded Device Manager 2011
- Windows Embedded Device Manager 2011 with SQL Server 2008 Technology

You must acquire and assign to a device or user, the appropriate category and type of SAL for the operating system environments (or OSEs) you will use your instances of the server software to directly or indirectly manage.

CATEGORIES OF SALs

There are two categories of SALs: client and server. The category of SAL required depends on the operating system software running within an OSE. Managed OSEs running server operating system software require server SALs. All other managed OSEs require client SALs. A single device may have a mix of managed OSEs, including a subset running server operating systems. If so you will need a mix of the two categories for that device.

Two Types of Client SALs: There are two types of client SALs: one for managed OSEs and one for users.

- OSE client SALs permit your instances of the server software to manage an equal number of OSEs used by any users.
- User client SALs permit your instances of the server software to manage the OSEs used by each user to whom a user client SAL is assigned. If you have more than one user using an OSE, and you are not licensing by OSE, you must assign user client SALs to each of the users.
- Client SALs do not permit management of any OSE running a server operating system.

One Type of Server SAL

There is no user option for server SALs. The OSE server SAL is the only type of server SAL you can acquire. OSE server SALs permit your instances of the server software to manage an equal number of OSEs. While there is only one type of server SAL, there may be up to two editions. If there is more than one edition of server SAL, the edition you need depends on the workload that is managed. If you are managing a virtual OSE on the licensed device and the physical OSE is being used solely to run hardware virtualization software, provide hardware virtualization services, and run software to manage and service operating system environments (or OSEs) on that device, then you may manage that virtual OSE and the physical OSE under a single server SAL.

Your server SALs do not permit management of any OSE running any operating system software other than server operating system software.

Reassignment of Subscriber Access Licenses (SAL)

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

MANAGEMENT SALs

If you acquire user client SALs, you must assign them to the users of the OSEs your instances of the server software manage.

If you acquire OSE client or server SALs, you must assign them to the devices on which your managed OSEs will run. A hardware partition or blade is considered to be a separate device. At any one time, the number of OSEs being managed on a device may not exceed the number of OSE client or server management SALs assigned to that device (except in the case where you are permitted to manage the physical OSE and a virtual OSE under a single server SAL as provided above).

The appropriate management SALs (server or client, and OSE or user [if any]) for each product are listed in the Product-specific License Terms section below.

For purposes of this paragraph, to “manage” an OSE means to solicit or receive data about, configure, or give instructions to: the hardware or software associated with the OSE, other than to discover the presence of a device.

You do not need a management SAL for:

- any OSEs in which no instances of software are running,
- any devices functioning only as network infrastructure devices (OSI layer 3 or below), or
- any of your devices for which you are exclusively performing out of band management. Out of band management consists of interaction via a network connection with a hardware management controller to monitor or manage the status of hardware components (e.g., system temperature, fan speed, power on/off, system reset, CPU availability). Monitoring utilization of CPU, RAM, NIC, or storage is considered indirect management of the OSE and requires a management license.

With any instance of the server software on your servers, you may manage:

- any number of OSEs on a device, once you assign an equal number of management SALs to that device.
- the OSEs users use, once you assign management SALs to those users.

However, you may manage the physical OSE and any virtual OSE under a single server SAL, if you use the physical OSE for the limited purposes described above.

Server Management License Suites

As exceptions to the license terms generally governing management of OSEs under server management SALs:

You may manage at any one time up to four OSEs running on your devices to which a System Center Server Management Suite Enterprise SAL is assigned. If you are managing four virtual OSEs on the licensed device and the physical OSE is being used solely to run hardware virtualization software, provide hardware virtualization services, and run software to manage and service operating system environments (or OSEs) on that device, then you may also manage the physical OSE.

You may manage any number of OSEs running on a device to which a System Center Server Management Suite Datacenter SAL is assigned. You need a System Center Server Management Suite Datacenter SAL for each physical processor in the device. System Center Server Management Suite Datacenter SALs permit management by earlier versions of these System Center Management Server products.

REASSIGNMENT OF SALs

You may:

- permanently reassign an OSE server or client SAL from one device to another, or a user client SAL from one user to another; or
- temporarily reassign an OSE server or client SAL to a loaner device while the first device is out of service, or a user client SAL to a temporary worker while the user is absent.

SOFTWARE

Running Instances of the Server Software: You may run or otherwise use any number of instances of the server software in physical or virtual operating system environments (or OSEs) on any number of devices.

Running Instances of the Client Software: You may run or otherwise use any number of instances of the client software listed in Appendix 1 in physical or virtual operating system environments (or

OSEs) on any number of devices. You may use the client software only with the server software directly or indirectly through other client software.

CREATING AND STORING INSTANCES ON YOUR SERVERS OR STORAGE MEDIA

You have the additional rights below for each software license you acquire, you may:

- Create any number of instances of the server software and client software.
- Store instances of the server software and client software on any of your servers or storage media.
- Create and store instances of the server software and client software solely to exercise your right to run instances of the server software under the software licenses as described above (e.g., you may not distribute instances to third parties).

MANAGEMENT AND CONFIGURATION PACKS

The software may contain Management or Configuration Packs. The license terms for the applicable System Center products in this SAL licensing model section apply to your use of these Packs.

Desktop Applications

- Expression Encoder Pro 4
- Expression Studio 4 Ultimate
- Expression Studio 4 Web Professional
- Office Multi Language Pack 2010
- Office Professional Plus 2010
- Office Standard 2010
- Productivity Suite
- Project 2010 Professional
- Project 2010 Standard
- Visio 2010 Premium
- Visio 2010 Professional
- Visio 2010 Standard
- Visual Studio 2010 Premium
- Visual Studio 2010 Professional
- Visual Studio 2010 Ultimate
- Visual Studio LightSwitch 2011

- Visual Studio Team Explorer Everywhere 2010
- Visual Studio Test Professional 2010
- Windows 7 Professional Upgrade

SUBSCRIBER ACCESS LICENSES (SALS)

You must acquire and assign a SAL to each user that is authorized to access your instances of the software directly or indirectly, regardless of actual access of the software. Device SALs are not available except for products that we designate in the Product-Specific License Terms section). A hardware partition or blade is considered to be a separate device.

TYPES OF SALS

There are two types of SALS: one for users and one for devices.

User SALS: Each user SAL permits one user to use any device to access and use the software.

Device SALS: Service Device and/or Rental Device. Before you use the software under a license, you must assign that license to one device (physical hardware system). That device is the “service device and/or rental device.” A hardware partition or blade is considered to be a separate device. You may install and use any number of copies of the software on the service device and/or rental device.

CONCURRENT CONNECTIONS FOR USER SALS

You must acquire a SAL for each concurrent connection to a server running the software (using multiple devices). For example, you must obtain one SAL for a user who wants to access the server software from both a PC and a separate laptop at different times of the day. However, you must acquire two SALS for the user if the user wants to access the software from both devices at the same time.

REASSIGNMENT OF SALS

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

PRODUCT-SPECIFIC LICENSE TERMS

Windows Server 2008 R2 Enterprise

The license terms that apply to your use of this product are the Universal License Terms, the General License Terms for this Licensing Model and the product-specific license terms below.

Applicable Section of SAL General Terms: Server Software

Client/Additional Software: **Yes** (see [Appendix 1](#)) See Applicable Notice: **Potentially Unwanted BASE SUBSCRIBER ACCESS LICENSES (SALS) Software, MPEG-4, VC-1** (see Appendix 2)

You need:

- Windows Server 2008 R2 Enterprise SAL

Additional Terms:

Testing, maintenance, and administration access

For each instance running in an operating system environment (or OSE), you may also permit up to two (2) other users to use or access the server software to directly or indirectly host a graphical user interface (using the Windows Server 2008 Remote Desktop Services functionality or other technology). This use is for the sole purpose of testing, maintenance, and administration of the licensed products. These users do not need Windows Server 2008 Remote Desktop Services SALs.

Data Storage Technology

The server software may include data storage technology called Windows Internal Database. Components of the server software use this technology to store data. You may not otherwise use or access this technology under this agreement.

Licensing Models for Windows Server 2008 R2 Standard Per Processor License

Per Processor License

GENERAL TERMS

Licensing a Server

Before you run instances of the server software on a server, you must determine the number of licenses required and assign them to that server as described below.

DETERMINING THE NUMBER OF LICENSES REQUIRED

The number of licenses required is based on either the total number of physical processors on the server (as described in Option 1 below) or the number of virtual and physical processors used (as described in Option 2 below). For Enterprise Editions of the software, you may follow either option. For all other editions of the software, you must follow Option 2.

Option 1: Unlimited Virtualization: Under this option, the number of licenses required for a server equals the total number of physical processors on that server. Counting and assigning licenses based on this option permits you to run the server software in one physical and any number of virtual operating system environments (or OSEs) without regard to the number of physical and virtual processors used. This option is available to you only for enterprise editions of the software.

Option 2: Licensing based on Processors Used: Under this option, the total number of licenses required for a server equals the sum of the licenses required under (a) and (b) below. This is the only option available to you for editions other than enterprise.

- To run instances of the server software in the physical OSE on a server, you need a license for each physical processor that the physical OSE uses.
- To run instances of the server software in virtual OSEs on a server, you need a license for each virtual processor* that each of those virtual OSEs uses. If a virtual OSE uses a fraction of a virtual processor, the fraction counts as a full virtual processor.

*A virtual processor is a processor in a virtual (or otherwise emulated) hardware system. Virtual OSEs use virtual processors. Solely for licensing purposes, a virtual processor is considered to have the same number of threads and cores as each physical processor on the underlying physical hardware system. So, for any given virtual OSE on a server on which each physical processor provides X logical processors, the number of licenses required is the sum of a) and b) below:

- a. one license for every X logical processors that virtual OSE uses
- b. one license if the number of logical processors it uses is not a whole number multiple of X

"X," as used above, equals the number of cores, or where relevant, the number of threads in each physical processor.

Assigning the Required Number of Licenses to the Server

After you determine the number of licenses you need for a server, you must assign that number of licenses to that server. That server is the licensed server for all of those licenses. You may not

assign the same license to more than one server. A hardware partition or blade is considered to be a separate server.

You may reassign a license, but not within 30 days of the last assignment. You may reassign a license sooner if you retire the licensed server due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

Running Instances of the Server Software

Your right to run the software depends on the option used to determine the number of licenses required.

Option 1: Unlimited Virtualization: If you assign to a server licenses equal to the total number of physical processors on the server:

- You may run, at any one time, any number of instances of the server software in one physical and any number of virtual OSEs on that server.
- You do not need to license virtual processors.

Option 2: Licensing based on Processors Used: You may run, at any one time, any number of instances of the server software in physical and virtual OSEs on the licensed server. However, the total number of physical and virtual processors used by those OSEs cannot exceed the number of licenses assigned to that server.

Running Instances of the Client Software

You may run or otherwise use any number of instances of the client software listed in Appendix 1 in physical or virtual operating system environments (or OSEs) on any number of your devices or your customer's. You and your customers may use the client software only with the server software directly or indirectly through other client software.

Creating and Storing Instances on Your Servers or Storage Media

You have the additional rights below for each software license you acquire.

- You may create any number of instances of the server software and client software.
- You may store instances of the server software and client software on any of your servers or storage media.
- You may create and store instances of the server software and client software solely to exercise your right to run instances of the server software under the software licenses as described above (e.g., you may not distribute instances to third parties).

Additional Licensing Requirements and/or Use Rights

NO SUBSCRIBER ACCESS LICENSES (SALs) REQUIRED FOR ACCESS

You do not need SALs for other devices to access your instances of the server software.

DISTRIBUTABLE CODE

You may use Distributable Code as described in the Universal License Terms.

MANAGEMENT PACKS

The software may contain Management Packs. The license terms for the applicable System Center in the SAL licensing model section of these product use rights apply to your use of these Management Packs.

License Mobility within Server Farms

Note: Applicable only to products designated as having License Mobility Rights in the Product-specific License Terms section below.

ASSIGNING LICENSES AND USING SOFTWARE WITHIN A SERVER FARM

You may determine the number of licenses you need, assign those licenses, and use the server software as provided in the General License Terms. Alternatively, you may apply the use rights below.

Server Farm. A server farm consists of up to two data centers each physically located:

- in a time zone that is within four hours of the local time zone of the other (Coordinated Universal Time (UTC) and not DST), and/or
- within the European Union (EU) and/or European Free Trade Association (EFTA).

Each data center may be part of only one server farm. You may reassign a data center from one server farm to another, but not on a short-term basis (i.e., not within 30 days of the last assignment).

LICENSE REASSIGNMENT

Within a Server Farm: You may reassign licenses to any of your servers located within the same server farm as often as needed. The prohibition against short-term reassignment does not apply to licenses assigned to servers located within the same server farm.

Across Server Farms: You may reassign server and external connector licenses to any of your servers located in different server farms, but not on a short-term basis (i.e., not within 30 days of the last assignment).

DETERMINING THE NUMBER OF LICENSES REQUIRED

Despite anything to the contrary in General License Terms about how to count virtual and physical processors, you need a number of licenses equal to or greater than the number of physical processors on licensed servers within a server farm at any one time supporting or used by OSEs in which instances of the software are running.

RUNNING INSTANCES OF THE SERVER SOFTWARE IN A SERVER FARM

For all server software covered under License Mobility with the exception of SQL Server 2008 R2 Enterprise: Because you are permitted to reassign licenses as needed, as long as you meet the following requirement, you may run the software in any number of operating system environments (or OSEs) within a server farm. The number of physical processors supporting or used by operating system environments (or OSEs) at any one time may not exceed the number of licenses assigned to servers within the farm.

For SQL Server 2008 R2 Enterprise: Because you are permitted to reassign licenses as needed, as long as you meet the following requirement, you may run the software in up to four operating system environments (or OSEs) within a server farm for each software license assigned. The number of physical processors supporting or used by operating system environments (or OSEs) at any one time may not exceed the number of licenses assigned to servers within the farm.

ALTERNATIVE METHOD OF COUNTING

Instead of counting the number of physical processors supporting virtual OSEs, you may count the number of virtual processors being used by virtual OSEs in which instances are running. For purposes of this method of counting, disregard the statement in the Universal License Terms that a virtual processor is considered to have the same number of threads and cores as each of the underlying physical processors. You must assign a number of licenses equal to the sum of the greatest number of:

- virtual processors at any one time used by virtual OSEs in which instances of software are running and
- physical processors at any one time used by physical OSEs in which instances of software are running

PRODUCT-SPECIFIC LICENSE TERMS

Windows Server 2008 R2 Standard

The license terms that apply to your use of this product are the Universal License Terms, the General License Terms for this Licensing Model and the product-specific license terms below.

License Mobility Rights: **No**

Client/Additional Software: **Yes** (see [Appendix 1](#))

See Applicable Notice: **Potentially Unwanted Software, MPEG-4, VC-1** (see [Appendix 2](#))

Additional Terms:

NUMBER OF LICENSES REQUIRED

The total number of software licenses required for a server equals the sum of the software licenses required under i) and ii) below.

i) You need one software license for each physical processor on a server, which permits you to run on that server, at any one time:

- one instance of the server software in one physical operating system environment (or OSE) , and
- one instance of the server software in a virtual operating system environment (or OSE).

If you run an instance in the virtual operating system environment (or OSE), the instance of the server software running in the physical operating system environment (or OSE) may be used only to:

- run hardware virtualization software, or
 - provide hardware virtualization services, or
 - run software to manage and service operating system environments (or OSEs) on the licensed server.
- ii. You need an additional software license for each physical processor on the server to run an additional instance of the server software in virtual operating system environments (or OSEs).

TESTING, MAINTENANCE, AND ADMINISTRATION ACCESS

For each instance running in an operating system environment (or OSE), you may also permit up to two (2) other users to use or access the server software to directly or indirectly host a graphical user interface (using the Windows Server 2008 Remote Desktop Services functionality or other technology). This use is for the sole purpose of testing, maintenance, and administration of the licensed products. These users do not need Windows Server 2008 Remote Desktop Services SALs.

DATA STORAGE TECHNOLOGY

The server software may include data storage technology called Windows Internal Database. Components of the server software use this technology to store data. You may not otherwise use or access this technology under this agreement.

WINDOWS SERVER 2008 REMOTE DESKTOP SERVICES

You must acquire a Windows Server 2008 Remote Desktop Services SAL for each user that directly or indirectly is authorized to access the server software to host a graphical user interface (using the Windows Server 2008 Remote Desktop Services functionality or other technology). Please see the SAL licensing model section for a description of the SAL license.

WINDOWS SERVER 2008 R2 RIGHTS MANAGEMENT SERVICES

You must acquire a Windows Server 2008 R2 Rights Management Services SAL for each user that directly or indirectly is authorized to access the Windows Server 2008 R2 Rights Management Services functionality. Please see the SAL licensing model section for a description of the SAL license.

MICROSOFT APPLICATION VIRTUALIZATION 4.6 FOR REMOTE DESKTOP SERVICES

You must acquire a Microsoft Windows Server 2008 Remote Desktop Services SAL for each user that directly or indirectly is authorized to access the Microsoft Application Virtualization 4.6 for Remote Desktop Services functionality. Please see the SAL licensing model section for a description of the SAL license.

Licensing Models for Windows Server 2008 R2 Standard Subscriber Access License

Subscriber Access License

GENERAL TERMS

SAL GENERAL TERMS ORGANIZATION

The terms below are organized into three sections: Server Software, Management Servers, and Desktop Applications. The section of these General Terms applies to a given product is specified under that product in the Product-Specific License Terms section.

Server Software

• Exchange Server 2010 Standard and Enterprise	• SQL Server 2008 R2 Enterprise (including OEM versions)
• Forefront Identity Manager 2010	• SQL Server 2008 R2 Small Business
• Forefront Unified Access Gateway 2010	• SQL Server 2008 R2 Standard (including OEM versions)
• HPC Pack 2008 R2 Enterprise	• SQL Server 2008 R2 Workgroup
• Lync Server 2010 Enterprise	• Visual Studio Team Foundation Server 2010 with SQL Server 2008 Technology
• Lync Server 2010 Standard	• Windows HPC Server 2008 R2 Suite
• Microsoft Application Virtualization Hosting for Desktops	• Windows Server 2008 R2 Enterprise
• Microsoft Dynamics AX 2012	• Windows Server 2008 R2 HPC Edition
• Microsoft Dynamics C5 2012	• Windows Server 2008 R2 OEM
• Microsoft Dynamics CRM 2011 Service Provider	• Windows Server 2008 R2 Standard
• Microsoft Dynamics GP 2010 R2	• Windows Small Business Server 2011 Essentials
• Microsoft Dynamics NAV 2009 R2	• Windows Small Business Server 2011 Premium Add-on
• Microsoft Dynamics SL 2011	• Windows Small Business Server 2011 Standard
• Project Server 2010	
• SharePoint Server 2010	

You have the rights below for each corresponding SAL you acquire.

SUBSCRIBER ACCESS LICENSES (SALS)

You must acquire and assign a SAL to each user that is authorized to access your instances of the server software directly or indirectly, regardless of actual access of the server software. Device SALs are not available except for products that we designate in the Product-specific License Terms section. A hardware partition or blade is considered to be a separate device. The appropriate SAL for each product is listed in the Product-specific License Terms section below.

You do not need SALs for any software licensed with a Per Processor license.

All server software access requires base SALs, and some software functionality requires additive SALs. Both types are listed in the table below. You need both the product's base SAL and additive SAL to access functionality listed in the Product-specific License Terms section below.

TYPES OF SALs

There are three types of SALs: one for devices, one for users and one for qualified educational users ("students"). Each device SAL (for products permitting device SALs) permits one device, used by any user, to access instances of the server software on your servers. Each user SAL permits one user, using any device, to access instances of the server software on your servers. Products with student SAL offerings require qualification through the Qualified Educational Customer Addendum. Like user SALs, each student SAL permits one user, using any device, to access instances of the server software on your servers.

Reassignment of Subscriber Access Licenses (SAL)

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

SALs FOR SA

SALs for SA may be acquired and assigned to users who have also been assigned a qualifying Client Access License ("CAL") with active Software Assurance ("SA") acquired under a Microsoft Volume Licensing Program or who uses a device to which a qualifying Device CAL with active Software Assurance coverage has been assigned. You may not acquire SALs for SA for more than one user for any given qualifying CAL. Use rights for SALs for SA are identical to their corresponding SALs, as defined in this document. The right to assign a SAL for SA to a user or device expires when the Software Assurance coverage for the qualifying CAL expires. Use of a SAL for SA does not invalidate the use rights of the qualifying CAL. SALs for SA may only be reassigned, and must be reassigned, when and as the qualifying CAL is reassigned. For more information on ordering SALs for SA and the order validation process, please see <http://www.explore.ms> or contact your software products reseller.

SALs available for SA customers and their qualifying CALs are listed under applicable products in the Product-specific License Terms section.

CREATING AND STORING INSTANCES ON YOUR SERVERS OR STORAGE MEDIA.

You have the additional rights below for each software license you acquire.

- You may create any number of instances of the server software and client software.
- You may store instances of the server software and client software on any of your servers or storage media.

- You may create and store instances of the server software and client software solely to exercise your right to run instances of the server software under the software licenses as described above (e.g., you may not distribute instances to third parties).

MANAGEMENT PACKS

The software may contain Management Packs. The license terms for the applicable System Center products in this SAL licensing model section apply to your use of the Management Packs.

SOFTWARE

Running Instances of the Server Software: You may run or otherwise use any number of instances of the server software in physical or virtual operating system environments (or OSEs) on any number of devices.

Running Instances of the Client Software: You may run or otherwise use any number of instances of the client software listed in Appendix 1 in physical or virtual operating system environments (or OSEs) on any number of devices. You may use the client software only with the server software directly or indirectly through other client software.

Management Servers

- System Center Configuration Manager 2007 R3
- System Center Configuration Manager 2007 R3 with SQL Server 2008 Technology
- System Center Data Protection Manager 2010
- System Center Operations Manager 2007 R2
- System Center Operations Manager 2007 R2 with SQL Server 2008 Technology
- System Center Service Manager 2010
- System Center Service Manager 2010 with SQL Server 2008 Technology
- System Center Virtual Machine Manager 2008 R2
- Windows Embedded Device Manager 2011
- Windows Embedded Device Manager 2011 with SQL Server 2008 Technology

You must acquire and assign to a device or user, the appropriate category and type of SAL for the operating system environments (or OSEs) you will use your instances of the server software to directly or indirectly manage.

CATEGORIES OF SALs

There are two categories of SALs: client and server. The category of SAL required depends on the operating system software running within an OSE. Managed OSEs running server operating system software require server SALs. All other managed OSEs require client SALs. A single device may have a mix of managed OSEs, including a subset running server operating systems. If so you will need a mix of the two categories for that device.

Two Types of Client SALs: There are two types of client SALs: one for managed OSEs and one for users.

- OSE client SALs permit your instances of the server software to manage an equal number of OSEs used by any users.
- User client SALs permit your instances of the server software to manage the OSEs used by each user to whom a user client SAL is assigned. If you have more than one user using an OSE, and you are not licensing by OSE, you must assign user client SALs to each of the users.
- Client SALs do not permit management of any OSE running a server operating system.

One Type of Server SAL

There is no user option for server SALs. The OSE server SAL is the only type of server SAL you can acquire. OSE server SALs permit your instances of the server software to manage an equal number of OSEs. While there is only one type of server SAL, there may be up to two editions. If there is more than one edition of server SAL, the edition you need depends on the workload that is managed. If you are managing a virtual OSE on the licensed device and the physical OSE is being used solely to run hardware virtualization software, provide hardware virtualization services, and run software to manage and service operating system environments (or OSEs) on that device, then you may manage that virtual OSE and the physical OSE under a single server SAL.

Your server SALs do not permit management of any OSE running any operating system software other than server operating system software.

Reassignment of Subscriber Access Licenses (SAL)

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

MANAGEMENT SALS

If you acquire user client SALs, you must assign them to the users of the OSEs your instances of the server software manage.

If you acquire OSE client or server SALs, you must assign them to the devices on which your managed OSEs will run. A hardware partition or blade is considered to be a separate device. At any one time, the number of OSEs being managed on a device may not exceed the number of OSE client or server management SALs assigned to that device (except in the case where you are permitted to manage the physical OSE and a virtual OSE under a single server SAL as provided above).

The appropriate management SALs (server or client, and OSE or user [if any]) for each product are listed in the Product-specific License Terms section below.

For purposes of this paragraph, to “manage” an OSE means to solicit or receive data about, configure, or give instructions to: the hardware or software associated with the OSE, other than to discover the presence of a device.

You do not need a management SAL for:

- any OSEs in which no instances of software are running,
- any devices functioning only as network infrastructure devices (OSI layer 3 or below), or
- any of your devices for which you are exclusively performing out of band management. Out of band management consists of interaction via a network connection with a hardware management controller to monitor or manage the status of hardware components (e.g., system temperature, fan speed, power on/off, system reset, CPU availability). Monitoring utilization of CPU, RAM, NIC, or storage is considered indirect management of the OSE and requires a management license.

With any instance of the server software on your servers, you may manage:

- any number of OSEs on a device, once you assign an equal number of management SALs to that device.
- the OSEs users use, once you assign management SALs to those users.

However, you may manage the physical OSE and any virtual OSE under a single server SAL, if you use the physical OSE for the limited purposes described above.

Server Management License Suites

As exceptions to the license terms generally governing management of OSEs under server management SALs:

You may manage at any one time up to four OSEs running on your devices to which a System Center Server Management Suite Enterprise SAL is assigned. If you are managing four virtual OSEs on the licensed device and the physical OSE is being used solely to run hardware virtualization software, provide hardware virtualization services, and run software to manage and service operating system environments (or OSEs) on that device, then you may also manage the physical OSE.

You may manage any number of OSEs running on a device to which a System Center Server Management Suite Datacenter SAL is assigned. You need a System Center Server Management Suite Datacenter SAL for each physical processor in the device. System Center Server Management Suite Datacenter SALs permit management by earlier versions of these System Center Management Server products.

REASSIGNMENT OF SALs

You may:

- permanently reassign an OSE server or client SAL from one device to another, or a user client SAL from one user to another; or
- temporarily reassign an OSE server or client SAL to a loaner device while the first device is out of service, or a user client SAL to a temporary worker while the user is absent.

SOFTWARE

Running Instances of the Server Software: You may run or otherwise use any number of instances of the server software in physical or virtual operating system environments (or OSEs) on any number of devices.

Running Instances of the Client Software: You may run or otherwise use any number of instances of the client software listed in Appendix 1 in physical or virtual operating system environments (or

OSEs) on any number of devices. You may use the client software only with the server software directly or indirectly through other client software.

CREATING AND STORING INSTANCES ON YOUR SERVERS OR STORAGE MEDIA

You have the additional rights below for each software license you acquire, you may:

- Create any number of instances of the server software and client software.
- Store instances of the server software and client software on any of your servers or storage media.
- Create and store instances of the server software and client software solely to exercise your right to run instances of the server software under the software licenses as described above (e.g., you may not distribute instances to third parties).

MANAGEMENT AND CONFIGURATION PACKS

The software may contain Management or Configuration Packs. The license terms for the applicable System Center products in this SAL licensing model section apply to your use of these Packs.

Desktop Applications

- Expression Encoder Pro 4
- Expression Studio 4 Ultimate
- Expression Studio 4 Web Professional
- Office Multi Language Pack 2010
- Office Professional Plus 2010
- Office Standard 2010
- Productivity Suite
- Project 2010 Professional
- Project 2010 Standard
- Visio 2010 Premium
- Visio 2010 Professional
- Visio 2010 Standard
- Visual Studio 2010 Premium
- Visual Studio 2010 Professional
- Visual Studio 2010 Ultimate
- Visual Studio LightSwitch 2011

- Visual Studio Team Explorer Everywhere 2010
- Visual Studio Test Professional 2010
- Windows 7 Professional Upgrade

SUBSCRIBER ACCESS LICENSES (SALS)

You must acquire and assign a SAL to each user that is authorized to access your instances of the software directly or indirectly, regardless of actual access of the software. Device SALs are not available except for products that we designate in the Product-Specific License Terms section). A hardware partition or blade is considered to be a separate device.

TYPES OF SALS

There are two types of SALS: one for users and one for devices.

User SALS: Each user SAL permits one user to use any device to access and use the software.

Device SALS: Service Device and/or Rental Device. Before you use the software under a license, you must assign that license to one device (physical hardware system). That device is the “service device and/or rental device.” A hardware partition or blade is considered to be a separate device. You may install and use any number of copies of the software on the service device and/or rental device.

CONCURRENT CONNECTIONS FOR USER SALS

You must acquire a SAL for each concurrent connection to a server running the software (using multiple devices). For example, you must obtain one SAL for a user who wants to access the server software from both a PC and a separate laptop at different times of the day. However, you must acquire two SALS for the user if the user wants to access the software from both devices at the same time.

REASSIGNMENT OF SALS

You may:

- permanently reassign your device SAL from one device to another, or your user SAL from one user to another, or
- temporarily reassign your device SAL to a loaner device while the first device is out of service, or your user SAL to a temporary worker while the user is absent.

PRODUCT-SPECIFIC LICENSE TERMS

Windows Server 2008 R2 Standard

The license terms that apply to your use of this product are the Universal License Terms, the General License Terms for this Licensing Model and the product-specific license terms below.

Applicable Section of SAL General Terms: Server Software

Client/Additional Software: **Yes** (see [Appendix 1](#)) See Applicable Notice: **Potentially Unwanted BASE SUBSCRIBER ACCESS LICENSES (SALS) Software, MPEG-4, VC-1** (see Appendix 2)

You need:

- Windows Server 2008 R2 Enterprise SAL, **or**
- Windows Server 2008 R2 Standard SAL, **or**
- Windows Small Business Server 2011 Standard SAL*

* for any user or device that is accessing instances of the server software that are within an SBS domain

ADDITIVE SUBSCRIBER ACCESS LICENSES (SALs)

You need

- Windows Server 2008 Remote Desktop Services SAL
- Windows Server 2008 R2 Rights Management Services
- Microsoft Application Virtualization 4.6 for Remote Desktop Services

Additional Terms:

TESTING, MAINTENANCE, AND ADMINISTRATION ACCESS

For each instance running in an operating system environment (or OSE), you may also permit up to two (2) other users to use or access the server software to directly or indirectly host a graphical user interface (using the Windows Server 2008 Remote Desktop Services functionality or other technology). This use is for the sole purpose of testing, maintenance, and administration of the licensed products. These users do not need Windows Server 2008 Remote Desktop Services SALs.

DATA STORAGE TECHNOLOGY

The server software may include data storage technology called Windows Internal Database. Components of the server software use this technology to store data. You may not otherwise use or access this technology under this agreement.

Appendix 1: Client/Additional Software

PRODUCT	LIST OF CLIENT SOFTWARE
BizTalk Server 2010 Branch, Standard and Enterprise Editions	
For all editions of BizTalk Server 2010:	
<ul style="list-style-type: none"> • Administration and Monitoring Tools • BizTalk Server Related Schemas and Templates • Development Tools • Master Secret Server/Enterprise Single Sign-On • Software Development Kit(s) • MQHelper.dll • Business Activity Monitoring (“BAM”) Event APIs and Interceptors & Administration Tools • BAM Alert Provided for SQL Notification Services • BAM Client • Windows SharePoint Services Adapter Web Service • Windows Communication Foundation Adapters • SOAP Receive Adapter 	<ul style="list-style-type: none"> • HTTP Receive Adapter • ADOMD.NET • MSXML • SQLXML • UDDI • Business Rules Component • MQSeries Agent • BizTalk RFID Client and Tools • BizTalk RFID SDK • BizTalk RFID Mobile <p>Only for BizTalk Server 2010 Branch Edition:</p> <ul style="list-style-type: none"> • BizTalk Adapter for SQL Server
Commerce Server 2009 R2 Standard and Enterprise Editions	
<ul style="list-style-type: none"> • Adapters • Schema Editor 	<ul style="list-style-type: none"> • Business User Interfaces
Exchange Server 2010 Standard and Enterprise	
<ul style="list-style-type: none"> • Exchange Management Tools 	
Forefront Client Security with SQL Server 2005 Technology	
<ul style="list-style-type: none"> • MOM Reporting Services • MOM User Interface • MOM Web Console • MOM Agent & Helper Binaries 	<ul style="list-style-type: none"> • SQL Server Management Tools • SQL Server Notification Services Client Components • SQL Server Reporting Services Report Manager • SQL Server Reporting Services Shared

<ul style="list-style-type: none"> • SQL Server Analysis Services Shared Tools • SQL Server Business Intelligence Development Studio • SQL Server 2005 Books Online • SQL Server Connectivity Components • SQL Server Legacy Components 	<p>Tools</p> <ul style="list-style-type: none"> • SQL Server 2005 Shared Tools • SQL Server Software Development Kit • SQLXML Client Features • SQL Server Mobile Server
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Forefront Endpoint Protection

<p>SQL Server 2005:</p> <ul style="list-style-type: none"> • SQL Server Analysis Services Shared Tools • SQL Server Business Intelligence Development Studio • SQL Server 2005 Books Online • SQL Server Connectivity Components • SQL Server Legacy Components • SQL Server Management Tools • SQL Server Notification Services Client Components • SQL Server Reporting Services Report Manager • SQL Server Reporting Services Shared Tools • SQL Server 2005 Shared Tools • SQL Server Software Development Kit • SQLXML Client Features • SQL Server Mobile Server 	<p>SQL Server 2008:</p> <ul style="list-style-type: none"> • Analysis Services Shared Tools • Business Intelligence Development Studio • Connectivity Components • Legacy Components • Management Tools • Notification Services Client Components • Reporting Services Report Manager • Reporting Services Shared Tools • SQL Server 2008 Shared Tools • Software Development Kit • SQLXML Client Features • SQL Server 2008 Books Online • SQL Server Mobile Server Tools
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Forefront Identity Manager 2010

<ul style="list-style-type: none"> • Microsoft Password Change Notification Service • FIM Certificate Management Client 	<ul style="list-style-type: none"> • FIM Certificate Management Bulk Issuance Client
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Forefront Threat Management Gateway 2010 Enterprise Edition

<ul style="list-style-type: none"> • Forefront Threat Management Gateway 	
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Enterprise Management Server	
<ul style="list-style-type: none"> • Forefront Threat Management Gateway Management Console • Software Development Kit 	
Forefront Threat Management Gateway 2010 Standard Edition	
<ul style="list-style-type: none"> • Forefront Threat Management Gateway Management Console • Software Development Kit 	
HPC Pack 2008 R2 Enterprise	
<ul style="list-style-type: none"> • Client Utilities • Microsoft Message Passing Interface • Web Components 	
Lync Server 2010 Standard and Enterprise	
<ul style="list-style-type: none"> • Lync 2010 • Lync Web App 2010 Plug-in • Topology Builder • Administrative Tools 	<ul style="list-style-type: none"> • PowerShell Snap-In • Lync 2010 Group Chat Administration Tool • Lync Server 2010 Attendant
Microsoft Dynamics AX 2012	
<ul style="list-style-type: none"> • Microsoft Dynamics AX 2012 Windows Rich Client Software • Management Reporter Designer Client Software for Microsoft Dynamics AX 2012 	<ul style="list-style-type: none"> • Microsoft Dynamics AX 2012 Connector for Dynamics CRM 2011 • Microsoft Dynamics AX POS Client Software (for AX 2009 only)
Microsoft Dynamics C5 2012	
<ul style="list-style-type: none"> • Microsoft Dynamics C5 2012 Windows Rich Client Software 	
Microsoft Dynamics CRM 2011 Service Provider	
<ul style="list-style-type: none"> • Microsoft Dynamics CRM 2011 for Microsoft Office Outlook • Microsoft E-Mail Router and Rule Deployment Wizard for Microsoft Dynamics CRM 2011 • Microsoft Dynamics CRM Reporting Extensions for Microsoft Dynamics CRM 2011 	<ul style="list-style-type: none"> • Microsoft SharePoint Grid for Microsoft Dynamics CRM 2011 • Microsoft Dynamics CRM 2011 Report Authoring Extensions • Microsoft Dynamics CRM 2011 Best Practices Analyzer • Microsoft Dynamics CRM 2011 Multilingual User Interface (MUI)
Microsoft Dynamics GP 2010 R2	

<ul style="list-style-type: none"> • Microsoft Dynamics GP 2010 R2 Windows Rich Client Software. • Management Reporter Designer Client Software for Microsoft Dynamics GP 2010 R2 • Microsoft Dynamics GP 2010 R2 Connector for Dynamics CRM 2011 	
Microsoft Dynamics NAV 2009 R2	
<ul style="list-style-type: none"> • Microsoft Dynamics NAV 2009 R2 Windows Rich Client Software. • Microsoft Dynamics NAV 2009 R2 Connector for Dynamics CRM 2011 	
Microsoft Dynamics SL 2011	
<ul style="list-style-type: none"> • Microsoft Dynamics SL 2011 Windows Rich Client Software. • Management Reporter Designer Client Software for Microsoft SL 2011 • Microsoft Dynamics SL 2011 Connector for Dynamics CRM 2011 	
Project Server 2010	
<ul style="list-style-type: none"> • Software Development Kit (SDK) 	
SharePoint Server 2010	
<ul style="list-style-type: none"> • Software Development Kit (SDK) 	
SQL Server 2008 R2 Standard, Enterprise, Small Business, Datacenter, Web,, Workgroup and OEM versions.	
<ul style="list-style-type: none"> • Business Intelligence Development Studio • Client Tools Backward Compatibility • Client Tools Connectivity • Client Tools Software Development Kit • Management Tools – Basic 	<ul style="list-style-type: none"> • Management Tools - Complete • SQL Client Connectivity SDK • SQL Server 2008 R2 Books Online • Microsoft Sync Framework
System Center Configuration Manager 2007 R3	
<ul style="list-style-type: none"> • Configuration Manager Console • Configuration Manager Client • Device Management Point • Custom Updates Publishing Tool 	<ul style="list-style-type: none"> • Power Viewer • Reporting Point • System Center Update Publisher • Secondary Site Server

- Distribution Point
- Fallback Status Point
- Inventory Tool for Microsoft Updates
- PXE Service Point
- Management Point

- Server Locator Point
- Software Update Point
- State Migration Point
- System Health Validator Point
- Configuration Pack

System Center Configuration Manager 2007 R3 with SQL Server 2008 Technology

- Configuration Manager Console
- Configuration Manager Client
- Device Management Point
- Custom Updates Publishing Tool
- Distribution Point
- Fallback Status Point
- Inventory Tool for Microsoft Updates
- PXE Service Point
- Management Point
- Power Viewer
- Reporting Point
- System Center Update Publisher
- Secondary Site Server
- Server Locator Point
- Software Update Point
- State Migration Point

- Management Tools
- Notification Services Client Components
- Reporting Services Report Manager
- System Health Validator Point
- Configuration Pack
- Analysis Services Shared Tools
- Business Intelligence Development Studio
- Connectivity Components
- Legacy Components
- Reporting Services Shared Tools
- SQL Server 2008 Books Online
- SQL Server 2008 Shared Tools
- Software Development Kit
- SQLXML Client Features
- SQL Server Mobile Server Tools

System Center Data Protection Manager 2010

- Data Protection Manager 2010 Agent
- Data Protection Manager Remote Command-Line Interface Console
- Data Protection Manager System Recovery Tool Agent

- Notification Services Client Components
- Reporting Services Report Manager
- Reporting Services Shared Tools
- SQL Server 2008 Shared Tools

<ul style="list-style-type: none"> • Analysis Services Shared Tools • Business Intelligence Development Studio • Connectivity Components • Legacy Components • Management Tools 	<ul style="list-style-type: none"> • Software Development Kit • SQLXML Client Features • SQL Server 2008 Books Online • SQL Server Mobile Server Tools
System Center Operations Manager 2007 R2	
<ul style="list-style-type: none"> • Agent and Helper Binaries • Audit Database • Connector Framework • Console • Database 	<ul style="list-style-type: none"> • Management Packs • Power Shell • Reporting Data Warehouse • Reporting Server • Web Console
System Center Operations Manager 2007 R2 with SQL Server 2008 Technology	
<ul style="list-style-type: none"> • Agent and Helper Binaries • Audit Database • Connector Framework • Console • Database • Management Packs • Power Shell • Reporting Data Warehouse • Reporting Server • Web Console • Analysis Services Shared Tools • Business Intelligence Development Studio 	<ul style="list-style-type: none"> • Connectivity Components • Legacy Components • Management Tools • Notification Services Client Components • Reporting Services Report Manager • Reporting Services Shared Tools • SQL Server 2008 Shared Tools • Software Development Kit • SQLXML Client Features • SQL Server 2008 Books Online • SQL Server Mobile Server Tools
System Center Service Manager 2010	
<ul style="list-style-type: none"> • Data warehouse management server • Data warehouse database 	<ul style="list-style-type: none"> • Service Manager console • Self-service portal
System Center Service Manager 2010 with SQL Server 2008 Technology	

<ul style="list-style-type: none"> • Data warehouse management server • Data warehouse database • Service Manager console • Self-service portal • Analysis Services Shared Tools • Business Intelligence Development Studio • Connectivity Components • Legacy Components • Management Tools 	<ul style="list-style-type: none"> • Notification Services Client Components • Reporting Services Report Manager • Reporting Services Shared Tools • SQL Server 2008 Books Online • SQL Server 2008 Shared Tools • Software Development Kit • SQLXML Client Features • SQL Server Mobile Server Tools
System Center Virtual Machine Manager 2008 R2	
<ul style="list-style-type: none"> • Virtual Machine Manager Agent • Physical to Virtual Agent • Administrator Console 	<ul style="list-style-type: none"> • Virtual Machine Manager Self Service Portal • VMRC Client
Visual Studio Team Foundation Server 2010 with SQL Server 2008 Technology	
<ul style="list-style-type: none"> • Team Explorer • Team Foundation Build 	<ul style="list-style-type: none"> • Team Foundation Server SharePoint Extensions
Windows Embedded Device Manager 2011	
<ul style="list-style-type: none"> • Embedded Device Manager Console Extensions (for Configuration Manager Console) 	<ul style="list-style-type: none"> • Embedded Device Manager Client • Embedded Device Manager Device Imaging
Windows Embedded Device Manger 2011 with SQL Server 2008 Technology	
<ul style="list-style-type: none"> • Embedded Device Manager Console Extensions (for Configuration Manager Console) • Embedded Device Manager Client • Embedded Device Manager Device Imaging • Analysis Services Shared Tools • Business Intelligence Development Studio • Connectivity Components 	<ul style="list-style-type: none"> • Notification Services Client Components • Reporting Services Report Manager • Reporting Services Shared Tools • SQL Server 2008 Shared Tools • Software Development Kit • SQLXML Client Features • SQL Server 2008 Books Online • SQL Server Mobile Server Tools

<ul style="list-style-type: none"> • Legacy Components • Management Tools 	
Windows HPC Server 2008 R2 Suite	
<ul style="list-style-type: none"> • Client Utilities • Microsoft Message Passing Interface • Web Components • Server Migration Tool 	<ul style="list-style-type: none"> • AD Migration Tool • FRS Monitoring Tools • Remote Desktop Connection Client • RSAT Client
Windows Server 2008 R2 HPC Edition	
<ul style="list-style-type: none"> • Server Migration Tool • AD Migration Tool • FRS Monitoring Tools 	<ul style="list-style-type: none"> • Remote Desktop Connection Client • RSAT Client
Windows Server 2008 R2 Standard, Enterprise Datacenter and for Itanium Based Systems	
<ul style="list-style-type: none"> • Ad Migration Tool • FRS Monitoring Tools • Remote Desktop Connection Client • RSAT Client • Server Migration Tool • Microsoft Application Virtualization Sequencer, Version 4.6 	<ul style="list-style-type: none"> • Microsoft System Center Application Virtualization Streaming Server, Version 4.6 • Microsoft System Center Application Virtualization Management Server, Version 4.6 • Microsoft Application Virtualization Client for Remote Desktop Services, Version 4.6
Windows Server 2008 R2 Standard with System Center Operations Manager 2007 R2	
For Windows Server 2008 R2 Standard Edition	For System Center Operations Manager 2007 R2
<ul style="list-style-type: none"> • AD Migration Tool • FRS Monitoring Tools • Remote Desktop Connection Client • RSAT Client • Server Migration Tool • Microsoft Application Virtualization Sequencer, Version 4.6 • Microsoft System Center Application Virtualization Streaming Server, Version 4.6 	<ul style="list-style-type: none"> • Agent and Helper Binaries • Audit Database • Connector Framework • Console • Database • Management Packs • Power Shell • Reporting Data Warehouse

- Microsoft System Center Application Virtualization Management Server, Version 4.6
- Microsoft Application Virtualization Client for Remote Desktop Services, Version 4.6

- Reporting Server
- Web Console

Windows Server 2008 R2 Standard with System Center Operations Manager 2007 R2 with SQL Server 2008 Technology

For System Center Operations Manager 2007 R2 with SQL Server 2008 Technology

- Agent and Helper Binaries
- Audit Database
- Connector Framework
- Console
- Database
- Management Packs
- Power Shell
- Reporting Data Warehouse
- Reporting Server
- Web Console
- Analysis Services Shared Tools
- Business Intelligence Development Studio
- Connectivity Components
- Legacy Components
- Management Tools
- Notification Services Client Components
- Reporting Services Report Manager
- Reporting Services Shared Tools
- SQL Server 2008 Shared Tools
- Software Development Kit
- SQLXML Client Features

For Windows Server 2008 R2 Standard Edition

- AD Migration Tool
- FRS Monitoring Tools
- Remote Desktop Connection Client
- RSAT Client
- Server Migration Tool
- Microsoft Application Virtualization Sequencer, Version 4.6
- Microsoft System Center Application Virtualization Streaming Server, Version 4.6
- Microsoft System Center Application Virtualization Management Server, Version 4.6
- Microsoft Application Virtualization Client for Remote Desktop Services, Version 4.6

	<ul style="list-style-type: none"> • SQL Server 2008 Books Online • SQL Server Mobile Server Tools
Windows Small Business Server 2011 Essentials	
<ul style="list-style-type: none"> • FRS Monitoring Tools • Remote Desktop Connection Client • RSAT Client 	<ul style="list-style-type: none"> • Server Migration Tool • Small Business Server Restore Software for Client
Windows Small Business Server 2011 Premium Add-on	
<ul style="list-style-type: none"> • AD Migration Tool • FRS Monitoring Tools • Remote Desktop Connection Client • RSAT Client • Server Migration Tool • SQL Business Intelligence Development Studio • SQL Client Tools Backward Compatibility 	<ul style="list-style-type: none"> • SQL Client Tools Connectivity • SQL Client Tools Software Development Kit • SQL Management Tools – Basic • SQL Management Tools – Complete • SQL Client Connectivity Software Development Kit • Microsoft Sync Framework • SQL Server 2008 R2 Books Online
Windows Small Business Server 2011 Standard	
<ul style="list-style-type: none"> • AD Migration Tool • FRS Monitoring Tools • Remote Desktop Connection Client • RSAT Client • Server Migration Tool 	<ul style="list-style-type: none"> • Exchange Management Tools • Small Business Server Source Migration Tool • Small Business Server Console • Microsoft Baseline Configuration Analyzer v2.0 • Windows Identity Foundation

Appendix 2: Notices

NOTICE OF DATA TRANSFER

The product contains one or more software features that connect to Microsoft or service provider computer systems over the Internet. These features are identified in the Data Transfer Notices document at <http://microsoft.com/licensing/contracts>. Microsoft provides services with products through these features. You will not always receive a separate notice when a feature connects. In some cases, you may switch off a feature or not use it.

Computer Information

The features use Internet protocols, which send to the appropriate systems computer information, such as your Internet protocol address, the type of operating system, browser and name and version of the software you are using, and the language code of the device where you installed the software.

Use of Information

Microsoft does not use the information to identify or contact you. Microsoft uses this information to make services available to you when you use the software. Microsoft may use the computer information, accelerator information, search suggestions information, error reports, Malware reports and URL filtering reports to improve our software and services. We may also share it with others, such as hardware and software vendors. They may use the information to improve how their products run with Microsoft software.

Consent for Data Transfer

By using these software features, you consent to the transmission of computer information, such as your Internet protocol address, the type of operating system, browser and name and version of the software you are using, and the language code of the device where you run the software.

NOTICE ABOUT THE H.264/AVC VISUAL STANDARD, THE VC-1 VIDEO STANDARD, THE MPEG-4 VISUAL STANDARD AND THE MPEG-2 VIDEO STANDARD

This software may include H.264/AVC, VC-1, MPEG-4 Part 2, and MPEG-2 visual compression technology. MPEG LA, L.L.C. requires this notice:

THIS PRODUCT IS LICENSED UNDER THE AVC, THE VC-1, THE MPEG-4 PART 2 VISUAL, AND MPEG-2 VIDEO PATENT PORTFOLIO LICENSES FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE ABOVE ("VIDEO STANDARDS") AND/OR (ii) DECODE AVC, VC-1, MPEG-4 PART 2 OR MPEG 2 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE SUCH VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE <http://www.mpegla.com/index1.cfm>.

For clarification purposes, this notice does not limit or inhibit the use of the software for normal business uses that are personal to that business which do not include (i) redistribution of the software to third parties, or (ii) creation of content with the VIDEO STANDARDS compliant technologies for distribution to third parties.

Potentially Unwanted Software

If turned on, Windows Defender will search your computer for "spyware," "adware" and other potentially unwanted software. If it finds potentially unwanted software, the software will ask you if you want to ignore, disable (quarantine) or remove it. Any potentially unwanted software rated "high" or "severe" will automatically be removed after scanning unless you change the default setting. Removing or disabling potentially unwanted software may result in other software on your computer ceasing to work or your breaching a license to use other software on your computer.

By using this software, it is possible that you will also remove or disable software that is not potentially unwanted software.

RECORDING NOTICE

The laws of some jurisdictions require notice to or the consent of individuals prior to intercepting, monitoring and/or recording their communications and/or restrict collection, storage, and use of personally identifiable information. You agree to comply with all applicable laws and to obtain all necessary consents and make all necessary disclosures before using the online service and/or the recording feature(s).

NOTICE ABOUT VALIDATION

The software will from time to time update or require download of the validation feature of the software. Validation verifies that the software has been activated and is properly licensed. Validation also permits you to use certain features of the software, or to obtain additional benefits. For more information, see <http://go.microsoft.com/fwlink/?linkid=39157>.

During a validation check, the software will send information about the software and device to Microsoft. This information includes the version and product key of the software, and the Internet protocol address of the device. Microsoft does not use the information to identify or contact you. By using the software, you consent to the transmission of this information. For more information about validation and what is sent during a validation check, see <http://go.microsoft.com/fwlink/?linkid=69500>.

If the software is not properly licensed, the functionality of the software may be affected. For example, you may:

- need to reactivate the software, or
- receive reminders to obtain a properly licensed copy of the software,
- or you may not be able to
- connect to the Internet, or
- obtain certain updates or upgrades from Microsoft.

You may only obtain updates or upgrades for the software from Microsoft or authorized sources. For more information on obtaining updates from authorized sources, see <http://go.microsoft.com/fwlink/?linkid=69502>.

Microsoft Volume Licensing Service Provider Use Rights (Worldwide English, October 2011)

