



SYSTEM

REQUIREMENTS

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Introduction

Purpose

Server administrators can use this guide to evaluate the server hardware requirements for OnRamp ERP. Because server load is difficult to predict, live testing is the best way to determine what hardware is required in production.

Notes

- ① **Server Requirements** – The requirements are based on an average of up to 40 active users on the system.
- ① **Peak Volume** – The maximum number of access or update requests simultaneously sent to OnRamp ERP. Volume is counted from user sign in request until the connection is closed.
- ① **Storage Requirement** – This value will vary depending on the number of pages and attachments stored in OnRamp ERP.

Client Workstation Requirements

Description	<p>The client workstation is the end-user computer. It is used to run the OnRamp Portal, which is a custom web browser that accesses local resources and interacts with the OnRamp Web Application. The OnRamp Portal is installed and run on the local workstation and does not require administrative rights to be installed or run. Though some software, such as .NET and IIS, require administrative rights.</p>
Role	<p>The client workstation, via the OnRamp Portal, is responsible for:</p> <ul style="list-style-type: none"> ● Rendering the OnRamp GUI ● Printing documents generated by OnRamp, via cloud printing ● Manipulating local files when used in conjunction with the OnRamp File Picker application ● Launching downloaded files from the OnRamp file structure, such as automated spreadsheets and presentations ● Setting up and maintaining a local web application if the portal is running in local mode
Operating system	<p>Your client workstation should have one of the following operating systems:</p> <ul style="list-style-type: none"> ● Windows 7 Professional, Ultimate, or Enterprise or greater ● Windows Server 2008 R2 or greater <p><i>Notes:</i></p> <ul style="list-style-type: none"> ● <i>The OnRamp Portal runs on 32-bit and 64-bit operating systems. On 64-bit (x64) editions, the portal runs in WOW64 emulation mode.</i> ● <i>If the OnRamp Portal is set to run in local mode, Windows Professional is required, and the local user needs administrative rights on the workstation.</i>
Hardware resources	<p>Hard disk space:</p> <ul style="list-style-type: none"> ● Minimum 500 MB Free, Recommended 1 GB Free <p>Memory:</p> <ul style="list-style-type: none"> ● Minimum 4 GB, Recommended 8 GB <p>Screen Resolution:</p> <ul style="list-style-type: none"> ● Minimum 1024x768, Recommended 1920x1080
Additional software	<ul style="list-style-type: none"> ● .NET Framework 4.5.2, which is installed by the OnRamp Portal Installation Setup if it is not detected ● Microsoft Visual C++ 2013 x86 – 12.0.30501, which is installed by the OnRamp Portal Installation Setup if it is not detected ● Microsoft Office 2010 or higher. Must include Access, Excel, and PowerPoint ● Adobe Reader X or higher ● For workstations running OnRamp in local mode, IIS WebServer is required and is automatically configured during installation

File/Web Server Requirements

Role	The File/Web Server houses the OnRamp file structure and the IIS WebServer.
Operating system	Your server should have the 64-bit version of Windows Server 2008 R2 or higher. <i>Note: Running the OnRamp Server Web Engine as a 64-Bit application allows a larger Application Pool RAM Allocation, which allows for a higher number of concurrent users.</i>
Hardware resources	Hard disk space: <ul style="list-style-type: none"> ● Minimum 100 GB, Recommended 500 GB Memory: <ul style="list-style-type: none"> ● Minimum 8 GB, Recommended 16 GB
Additional software	<ul style="list-style-type: none"> ● Microsoft .NET Framework 4.5 ● Microsoft Office 2010 or higher. Must include Access, Excel, and PowerPoint ● Adobe Reader X or higher <i>Note: Depending on the number of simultaneous users, a Web Server Farm may be required.</i>

Process Runner Requirements

Role	The Process Runner executes long running and scheduled tasks to maintain OnRamp data and file integrity. The process runner is installed as a Windows Service and must run under administrative privileges.
Operating system	The Process Runner runs on 32-bit and 64-bit operating system editions. <ul style="list-style-type: none"> ● Windows 7 Professional or higher
Hardware resources	Hard disk space: <ul style="list-style-type: none"> ● Minimum 100 GB, Recommended 250 GB Memory: <ul style="list-style-type: none"> ● Minimum 4 GB, Recommended 8 GB
Additional software	<ul style="list-style-type: none"> ● Microsoft .NET Framework 4.5 ● Microsoft Office 2010 or higher. Must include Access, Excel, and PowerPoint ● Adobe Reader X or higher

Database Server Requirements

Role	<p>The Database Server runs the required Microsoft SQL Server database engine for OnRamp.</p> <p>We recommend that this server have as much CPU and RAM power as possible. The CPU should also be multi-cored, for better performance.</p> <p><i>Note: SQL Server Express limits the amount of RAM and CPU Cores that can be used.</i></p>
Operating system	<p>The OnRamp Solutions ERP Database runs on 32-bit and 64-bit operating system editions.</p> <ul style="list-style-type: none"> 🌀 Windows Server 2008 R2 or higher
Hardware resources	<p>Hard disk space:</p> <ul style="list-style-type: none"> 🌀 Minimum 50 GB, recommended 500GB <p><i>Note: The hard disk must be large enough to contain the database and the temporary storage. Temporary storage is equivalent to the size of the largest primary index.</i></p> <p>Memory:</p> <ul style="list-style-type: none"> 🌀 Minimum 4 GB, Recommended 16 GB
Database Software	<p>OnRamp Solutions ERP Database runs on 32-bit and 64-bit MS SQL Server database system editions.</p> <ul style="list-style-type: none"> 🌀 SQL Server 2008 R2 or higher <p><i>Note: Smaller firms can use SQL Server 2008 R2 Express</i></p>
Additional requirements	<p>The SQL Server Local Account must have Administrative Access to the OnRamp Systems Root Folder.</p>

Data Conversion Server Requirements

Role	The Data Conversion Server is a temporary server used to convert and migrate existing ERP data from your legacy ERP to the OnRamp ERP.
Operating system	OnRamp Solutions ERP Data Conversion runs on either 32Bit or 64Bit Operating systems, but the software required for data convert must match (See additional software) <ul style="list-style-type: none"> ● Windows 7 Professional, Ultimate or Enterprise or higher ● Windows Server 2008 R2 or higher
Hardware resources	<p>Hard disk space:</p> <ul style="list-style-type: none"> ● Minimum 5 GB, Recommended 30GB. <p><i>Note: The hard disk must be large enough to contain the database and the temporary storage. Temporary storage is equivalent to the size of the largest primary index.</i></p> <p>Memory:</p> <ul style="list-style-type: none"> ● Minimum 1 GB, Recommended 2GB <p>Screen Resolution:</p> <ul style="list-style-type: none"> ● Minimum 1024x768, Recommended 1920x1080
Database Software	OnRamp Solutions ERP Data Conversion runs on only 32-bit database system editions. <ul style="list-style-type: none"> ● SQL Server 2012 <p><i>Note: Smaller firms can use SQL Server 2012 Express</i></p>
Additional software	<ul style="list-style-type: none"> ● Microsoft .NET Framework 4.5 ● Microsoft Office 2010 or higher. Must include Access, Excel, and PowerPoint ● Adobe Reader X or higher <p><i>Note: The Microsoft Office version (32bit or 64 bit) must match the bit version of the SQL Server version that is installed</i></p>
Additional requirements	The SQL Server Local Account must have Administrative Access to the OnRamp Systems Root Folder and any target data sources . <i>Note: When using DBF (dBase) files as a source, the 32-bit version of SQL Server and VCPOLEDB Provider must be installed.</i>